GAZIANTEP UNIVERSITY GRADUATE SCHOOL OF NATURAL & APPLIED SCIENCES

THEORETICAL AND EXPERIMENTAL INVESTIGATION OF TOTAL EQUIVALENT TEMPERATURE DIFFERENCE (TETD) VALUES FOR BUILDING WALLS AND FLAT ROOFS COMMONLY USED IN TURKEY

A Ph. D. THESIS
IN
MECHANICAL ENGINEERING

By
ÖNDER KAŞKA
AUGUST 2008

Theoretical and Experimental Investigation of Total Equivalent Temperature Difference (TETD) Values for Building Walls and Flat Roofs Commonly Used in TURKEY

PhD Thesis
in
Mechanical Engineering
University of Gaziantep

Supervisor
Assist. Prof. Dr. Recep YUMRUTAŞ

by

Önder KAŞKA

August 2008

T.C.
GAZİANTEP UNIVERSITY
GRADUATE SCHOOL OF
NATURAL & APPLIED SCIENCES
(Mechanical Engineering)

Name of the thesis: Theoretical and Experimental Investigation of Total Equivalent Temperature Difference (TETD) Values for Building Walls and Flat Roofs Commonly Used in TURKEY
Name of the student: Önder KAŞKA
Exam date: 01.08.2008

Approval of the Graduate School of Natural and Applied Sciences

Prof. Dr. Sadettin ÖZYAZICI
Director

I certify that this thesis satisfies all the requirements as a thesis for the degree of Master of Science/Doctor of Philosophy.

Prof.Dr.Sedat BAYSEÇ
Head of Department

This is to certify that we have read this thesis and that in our opinion it is fully adequate, in scope and quality, as a thesis for the degree of Master of Science/Doctor of Philosophy.

Assist. Prof. Dr. Recep YUMRUTAŞ
Supervisor

Examining Committee Members

Prof. Dr. Orhan BÜYÜKALACA ……

Prof.Dr.Arif HEPBAŞLI ...……

Prof.Dr.M. Sait SÖYLEMEZ ……

Assoc.Prof.Dr.Mehmet KANOĞLU ……

Assist.Prof.Dr.Recep YUMRUTAŞ …….

ABSTRACT

THEORETICAL AND EXPERIMENTAL INVESTIGATION OF TOTAL EQUIVALENT TEMPERATURE DIFFERENCE (TETD) VALUES FOR BUILDING WALLS AND FLAT ROOFS COMMONLY USED IN TURKEY

KAŞKA, Önder
Ph. D. in Mechanical Engineering
Supervisor : Assist. Prof. Dr. Recep YUMRUTAŞ
August 2008, 237 pages

Theoretical and experimental investigation of Total Equivalent Temperature Difference (TETD) values for building walls and flat roofs commonly used in Turkey is proposed in this study. An experimental system consisting of two testing rooms are constructed in the University of Gaziantep Campus to perform this purpose. Each testing room consists essentially of four different walls and a roof, measurement elements, data logger, computer and an air conditioner. In the experimental system, inside rooms and outside air temperatures, surface temperature of each layer of the walls and roofs are measured instantaneously. Time lag and decrement factor for all the walls and roofs are calculated using the measured values of the temperatures. Hourly values of solar radiation flux on horizontal surface and outside air temperatures, which have been measured for ten years (1997 to 2007) for 72 cities, are taken from the Turkish State Meteorological Service to obtain more reliable and realistic TETD values. Hourly TETD values for 72 cities in Turkey are computed using time lag, decrement factor obtained for eight types of walls and two types of flat roofs. Theoretical study developed in previous study for solution of transient heat transfer problem for the multilayer walls and flat roofs is used to compare experimental results for the time lag and decrement factor, and daily temperature distribution, TETD and heat gain values of some selected structures. Decrement factors obtained from experimental values for walls of brick, AAC, blokbims and for roof without insulation are 0.145, 0.045, 0.065 and 0.48 while theoretical results for the same structures are obtained as 0.143, 0.043, 0.06, and 0.428, respectively. TETD values of the walls from the highest to the lowest values are obtained as briquette, brick, XPS, EPS, blokbims, AAC, covering and siding walls. Also, the blokbims and AAC walls are determined the best wall types from the wives of heat loss and gain within the walls without insulation.

Keywords: Total equivalent temperature difference, time lag, decrement factor, sol-air temperature, heat gain

ÖZET

TÜRKİYEDE YAYGIN OLARAK KULLANILAN DUVAR VE DÜZ TAVANLAR İÇİN TOPLAM EŞDEĞER SICAKLIK FARKI (TESF) DEĞERLERİNİN TEORİK VE DENEYSEL OLARAK İNCELENMESİ

KAŞKA, Önder
Doktora Tezi, Makina Mühendisliği Bölümü
Tez Yöneticisi: Y. Doç. Dr. Recep YUMRUTAŞ
Ağustos 2008, 237 sayfa

Bu çalışmada, Türkiye'de inşa edilen binalarda yaygın olarak kullanılan duvar ve düz tavanlar için Toplam Eşdeğer Sıcaklık Farkı (TESF) değerlerinin teorik ve deneysel olarak incelenmesi amaçlanmıştır. Bu amacı gerçekleştirmek için 2 adet test odasından oluşan deney sistemi Gaziantep Üniversitesi Kampusu'nda inşa edilmiştir. Her bir test odası temel olarak dört farklı duvar, iki farklı düz tavan, ölçüm elemanları, veri toplayıcı, bilgisayar ve klimadan oluşmaktadır. Deneysel sistemde, oda ve dış hava sıcaklıkları ile bütün duvar ve tavanların her katmanının yüzey sıcaklıkları anlık olarak ölçülmüştür. Ölçülen sıcaklıklar kullanılarak bütün duvar ve tavanlar için faz kayması ve sönüm oranları hesaplanmıştır. Daha güvenilir ve daha gerçekçi TESF değerleri elde etmek için, 72 il'de son 10 yıl boyunca (1997–2007) ölçülen saatlik dış hava sıcaklıkları ve güneş ışınımı değerleri Meteoroloji Genel Müdürlüğünden alınmıştır. Bütün duvar ve tavanlar için elde edilen faz kayması ve sönüm oranları kullanılarak 72 şehir için saatlik TESF değerleri hesaplanmıştır. Seçilen bazı yapılar için deneysel çalışmadan elde edilen faz kayması ve sönüm oranını, yapı içerisinde günlük sıcaklık dağılımı, TESF ve ısı kazanımı değerlerini karşılaştırmak amacıyla, daha önceki teorik çalışmada geliştirilen çok katmanlı duvar veya tavan için geçici rejim ısı iletimi probleminin çözümü kullanılmıştır. Yalıtımsız tuğla, ytong, blokbims ve tavan için deneysel verilerden elde edilen sönüm oranları sırasıyla 0.145, 0.045, 0.065 ve 0.48 olurken, aynı yapılar için teorik sonuçlar ise 0.143, 0.043, 0.06, ve 0.428 olarak elde edilmiştir. TESF değerleri, en yüksekten en düşüğe doğru briket, tuğla, XPS, EPS, blokbims, ytong, mantolama sayding duvarlar için elde edilmiştir. Ayrıca, yalıtımsız duvarlar içerisinde blokbims ve ytong duvarlar ısı kaybı ve ısı kazancı açısından, en iyi duvarlar olarak belirlenmiştir.

Anahtar kelimeler: Toplam eşdeğer sıcaklık farkları, faz kayması, sönüm oranı, güneş-hava sıcaklığı, ısı kazanımı

ACKNOWLEDGEMENTS

First of all, I feel that providentially, I have met and studied with my calm, patient and studious supervisor Assist. Prof. Dr. Recep YUMRUTAŞ. I would like to thank him for his continuous guidance and encouragement during completion of the thesis.

I would like to thank Prof. Dr. Orhan BÜYÜKALACA as well, for his suggestions during construction of experimental set up and examining collected data.

I would like to serve my gratitude to examining committee members spending their valuable time for attending my Ph.D. qualification.

Special thanks to Gaziantep University and The Scientific and Technological Research Council of TURKEY for their contributions.

I would like to also thank Mechanical Engineering Department Workshop staff for their aids during construction of experimental set up and my worthy friend and colleague İbrahim Halil YILMAZ for his help during preparation of the thesis.

I couldn't find right expression to serve gratitude to my wife since she was together with me at any moment of the study.

CONTENTS

ABSTRACT iii

ÖZET iv

ACKNOWLEDGEMENTS v

LIST OF FIGURES viii

LIST OF TABLES x

CHAPTER 1 1

INTRODUCTION 1

CHAPTER 2 7

LITERATURE SURVEY 7

CHAPTER 3 22

THEROTICAL ANALYSIS 22

3.1. Introduction 22

3.2. Estimation of Total Equivalent Temperature Difference (TETD 22

3.3. Hourly Solar Radiation on Tilted Surface 24

3.4. Formulation of the Heat Transfer Problem 28

3.4.1. Interior surface temperatures 31

3.4.2. Exterior surface temperatures 32

CHAPTER 4 33

EXPERIMENTAL SETUP 33

4.1. Introduction 33

4.2. Testing rooms 33

4.3. Measurement System 37

4.3.1 Thermocouple calibration 38

CHAPTER 5 40

RESULTS AND DISCUSSIONS 40

5.1. Introduction 40

5.2. Climatic Data Used in Numerical Calculations 41

5.3. Theoretical and Experimental Results for the Transient Heat Flow through Building Walls and Flat Roofs....42
5.4. Theoretical and Experimental Results for TL, DF and TETD....50
5.5. Experimental Results for TETD of Building Walls and Flat Roofs....65
5.6. Uncertainty Analysis....73

CHAPTER 6....75
CONCLUSIONS AND RECOMMENDATIONS....75

REFERENCES....78

APPENDIX A....81
Publications....81

APPENDIX B....82
Measurement Calibration Tables....82

APPENDIX C....84
Solar Radiation on Horizontal Plane and Ambient Air Temperature Data for the Cities....84

APPENDIX D....93
Total Equivalent Temperature Difference Values of the Cities....93

LIST OF FIGURES

Figure 3.1. Schematic representation of time lag and decrement factor.....24
Figure 3.2. Geometrical configuration of a multilayer wall or flat roof 28
Figure 4.1. Drawing and picture of a rotator.....34
Figure 4.2. Picture of a room constructed on frame with four wheel.....35
Figure 4.3. Picture of the testing rooms 35
Figure 4.4. Schematic representation of the walls and roofs and their dimensions.....36
Figure 4.5. Detailed schematic representation of the measurement system 37
Figure 4.6. Replacement of thermocouple housing plastic tubes 38
Figure 5.1. Mean hourly values of outside air temperature, and solar radiation on a horizontal surface for August 7, 2007 43
Figure 5.2. Variation of heat gain, and inner and outer surface temperature for Roof construction (12 cm concrete + 2 cm plaster) 44
Figure 5.3. Experimental and theoretical inner wall surface temperature variation for Roof construction (12 cm concrete + 2 cm plaster) 45
Figure 5.4. Variation of experimental and theoretical values of heat gains, and inner surface temperature distribution for two south facing wall constructions (AAC wall and Briquette wall).....46
Figure 5.5. Variation of heat gains, and inner surface temperatures for four south-facing wall constructions with 20 cm thickness.....48
Figure 5.6. Variation of the highest heat gains with thickness for four south-facing wall constructions.....49
Figure 5.7. Mean values of hourly incident solar radiation flux on horizontal and for four main directions. 52
Figure 5.8. Hourly ambient air and sol-air temperatures for dark roof and walls due to four main directions..... 52
Figure 5.9. Daily variations of theoretical and experimental TETD values of the roofs.....53
Figure 5.10. Theoretical and experimental values of TETD values of briquette wall due to main directions.....54

Figure 5.11. Daily variation of experimental TETD values for different walls due to south direction. 55
Figure 5.12. Daily outside surface temperature variation of brick wall due to South for different outdoor absorption coefficient 56
Figure 5.13. Variation of average temperatures of internal and external surfaces with surface absorbtivity....58
Figure 5.14. Variation of internal and external swing temperatures for walls of W1 and W4 with surface absorbtivity....58
Figure 5.15. Variation of decrement factor with surface absorbtance....60
Figure 5.16. Variation of time lag with solar absorbtance 60
Figure 5.17. Schematic representation of replacement of insulation layer 61
Figure 5.18. Variation of TL and DF with position of insulation layer 62
Figure 5.19. Variation of internal and external surface temperature swing with position of insulation layer....62
Figure 5.20. Variation of TL and DF with directions for wall W1 63
Figure 5.21. Variation of TL and DF with directions for wall W4 64
Figure 5.22. Variation of TL and DF values with density....64
Figure 5.23. Daily variation of TETD values of the roofs....66
Figure 5.24. Daily variation of TETD values for dark colored brick wall-W1 67
Figure 5.25. Daily variation of TETD values of dark walls due to south....68
Figure 5.26. Variation of the highest TETD values of the walls due to south for different cities in Turkey....69
Figure 5.27. Daily variation of TETD values of briquette wall-W5 for various cities.70
Figure 5.28. TETD values for cities on nearly same longitude....71
Figure 5.29. TETD values for cities on nearly same longitude....72
Figure 5.30. Variation of TETD values for cities on nearly same latitude 72
Figure 5.31. Variation of TETD values for cities on nearly same latitude 73

LIST OF TABLES

Table 1.1. DF and TL comparison given in Yumrutas et al. [1].....14

Table 4.1. Thermophysical properties of wall and roof materials 36

Table 5.1. Theoretical and experimental results for the time lag and decrement factor.....51

Table 5.2. Maximum temperature values and time occurred.....57

Table A1. Thermocouple readings and corresponding calibration equations of personaldaq data logger used in room 1.....82

Table A2. Thermocouple readings and corresponding calibration equations of personaldaq data logger used in room 2.....83

LIST OF SYMBOLS

A	surface area
E	equation of time
G_{on}	extraterrestrial radiation measured on the plane normal to the radiation on the *n*th day of the year
G_{sc}	Solar constant
h_i	inside combined heat transfer coefficient
h_o	outside combined heat transfer coefficient
i	complex argument
I_b	beam radiation
I_d	diffuse radiation
I_o	Extraterrestrial radiation on a surface
I_T	hourly solar radiation on a tilted surface
k	thermal conductivity of roof or wall materials
k_T	The hourly clearness index
n	number of day
q_k	complex Fourier coefficient of dimensionless solar heat gain
R_b	ratio of beam radiation on the tilted surface to that on a horizontal surface
t	time
t_{ea}	daily average sol-air temperature
t_e	solar-air temperature
T	temperature of roof or wall
T_o	outside air temperature
T_i	interior design dry bulb temperature
T_n	complex Fourier coefficient of temperature
U	heat transfer coefficient

Greeks

α	thermal diffusivity of roof or wall material
α_s	absorbtance of exterior surface of wall or roof
β	Tilt angle

δ	declination angle
γ	azimuth angle
ε	emissivity
ω	hour angle
Φ	Latitude
ρ	density of roof and wall material
ρ_g	ground reflectance
θ	incidence angle
θ_z	zenith angle
τ	dimensionless time

Abvreviations

AAC	Autoclaved Aerated Concrete
DF	Decrement Factor
EPS	expanded polystyrene
XPS	extrude polystyrene
TL	Time lag
TETD	Total equivalent temperature difference

Subscripts

max	maximum
min	minimum
sw	swing
o	outside

CHAPTER 1

INTRODUCTION

Air conditioning is one of the important things for the humanity who can live in spaces having comfort conditions along whole year. The comfort conditions may be given as dry and wet bulb temperatures, humidity, air velocity and cleaning. For this reason, it is necessary to heat the living spaces in winter season by giving sufficient amount of moisture, and to cool the spaces in summer season. That is, heating ventilating and air conditioning (HVAC) system has been the most important solution for a more comfortable life. The main purpose of the HVAC system is to maintain comfortable conditions that provide thermal comfort for building occupants and conditions that are required by the products and processes within the space [1]. Great amount of total energy utilization in the World has been consumed for the heating and cooling applications of the spaces. It is required to minimize consumption of the energy which affects source of energy, economical and environmental values. Because, use of the energy redundantly causes reduction of energy sources, increasing of energy cost and negative effects on economy of countries. Also, emission of combustion products as a result of combustion of fossil fuels to the environment pollutes sources of water, earth and air, which have negative effect on human health. For these reasons, the consumption of energy and damages of the combustion products to the environment should be decreased. Building wall and roof have important roles in decreasing or increasing of the energy used for heating and cooling load due to heat loss and heat gain through these structures. From the point of view, types of the walls and roofs to be used in building constructions and calculation of the heating and cooling load due to heat loss and heat gain from these structures are very significant. Because capacities of the HVAC systems depend on the types of the walls and roofs used, and calculations of heat gain in the summer season and heat loss in the winter season accurately.

The heat gain is the rate at which energy is transferred to or generated within space at any time. The heat gain is made up of components from many sources. The components that contribute to space cooling load consist of the followings [2]:

1. Conduction through exterior walls, roof, and glass
2. Conduction through interior partitions, ceilings and floors
3. Solar radiation through glass
4. Lightening
5. People
6. Equipments
7. Heat from infiltration of outside air through openings

Conduction through exterior walls and roof given in the first component is very important for buildings or any spaces. Since the heat gain is directly proportional to the surface area of these structures. For that reason, they are very important building structural elements in determining capacity of the air conditioning systems. In many buildings the heat gain through the external opaque walls and roofs constitutes a major portion of the total cooling load of a space [3] since they have large surface area. The external surface or roof area of a building or a space can not be changed. Then heat gain sourced from these structures to be selected can not be changed because of the surface area. But, it is possible to decrease or increase the heat gain through these elements for a constant surface area by utilizing wall or roof materials having good or bad thermal characteristics, respectively. If walls or roofs having good thermal characteristics to be used in building construction are selected, and accurate estimation of the cooling load is performed, then cooling load due to heat gain may decrease, and suitable HVAC system may be selected.

Thermophysical properties of the building walls and roofs, which are density, thermal conductivity, specific heat, heat capacity and thermal diffusivity, have profound effect on heat loss and heat gain through these structures. Materials used in the wall or roof constructions should have light density, high strength, low thermal conductivity and specific heat from the point of heat gain. Because, amount of cooling load due to the heat gain through these structures will decrease if the materials having these properties is used in construction of the walls and roofs. For that reasons, wall and roof types or materials to be used in the structures should be

determined and recommended. So, lower amount of energy will be consumed for heating and cooling of buildings or spaces.

Accurate calculation of cooling load due to heat gain through the walls and roofs of a building is very important in order to select a suitable air conditioning system for the efficient utilization of energy [1,4]. Then, an accurate cooling load calculation method should be built up and applied to enhance operating efficiency of air conditioning system components since air-conditioning systems consume large amount of electricity especially in hot regions [5]. Estimation of the heat gain to a space through the external walls and roofs is the first essential step in calculation of cooling load and in selection of air conditioning system components [1,4]. But, accurate estimation of the heat gain into the conditioned space is quite complicated and time consuming as it is highly transient in nature due to thermal storage effects of the building mass and ever changing external conditions, and also dependence of the heat gain on location, shape, and orientation of the buildings complicates the problem [6]. Selection of convenient components of the air conditioning system requires almost exact calculations of cooling load for summer design conditions. Hence, it is necessary to find the heat gains from all of the building portions accurately. In this consideration, the methods of calculating cooling load are developed by considering the hourly variation of outdoor conditions as well as the solar radiation, the thermal inertia of the building, and the variation of the heat loss coefficient of the building

Over the years, there are mainly three methods for estimating of the building cooling load caused by heat gain through the external walls and roofs, which can be categorized as exact, numerical and transfer function methods. The exact method involves the application of heat balance equation to the inner surfaces and finding a solution to the transient heat conduction equation for the walls and roof using analytical solution methods or the solution of the equation is obtained using suitable numerical methods such as finite difference method. The exact method is rigorous requiring the use of computers, but it is also direct and can be used easily for parametric studies. An alternate method is the use of conduction transfer functions. The transfer function method is less rigorous in terms of computation and is quite user-friendly. However, the transfer functions are available only for certain representative walls and roofs, and for others, these have to be obtained either from experiments or by using the heat balance method [6].

Based on the concept of transfer functions, three basic methods have been developed over the years for estimating cooling loads on the buildings [6]. These are transfer function method (TFM), cooling load temperature difference (CLTD) method and total equivalent temperature difference (TETD) method, and their calculation procedures are described in refs. [7-9]. The TFM introduced by ASHRAE [7] is considered to be one of the most accurate methods for calculating heating and cooling loads [10]; it is a widely used computer aided cooling load calculation method in air conditioning industry [11]; and it uses a set of construction types with recalculated conduction transfer functions coefficients. These coefficients are tabulated for certain types of walls, partitions, roofs, floors, and ceilings in ASHRAE [5]. Some works have been done to produce improved data for use with the TFM [12-13]. In the CLTD method, the cooling load due to heat gain is obtained by utilizing the TFM or heat balance method for particular walls and roofs [6]. It is limited by the tabulated data for the particular walls and roofs used in North America with certain inside and outside conditions. It would be desirable to develop analytical methods which do not require the use of tables and be applicable for any possible construction and outdoor thermal conditions. The TETD method is one of the first methods developed to account for transient effect of solar energy and thermal storage [10]. The solar energy affects interior environment and energy requirements of buildings. A fraction of the incident solar flux is collected and stored in the structural thermal mass of the building envelope, and influences essentially dynamic thermal characteristics of the building and the indoor environment especially during the cooling season [14].

The estimation of the dynamic thermal behavior of building structures has recently become focus of great interest. Several relevant studies of characteristics of building structures have been conducted [15]. Asan and Sancaktar [16], and Asan [17–19] investigated time lag and decrement factor by employing the Crank-Nicolson scheme. In these studies, the heat wave that represents the sol–air temperature is assumed to show a sinusoidal variation. He obtained that insulation thickness, types of building materials and their positions have a very profound effect on time lag and decrement factor. In another study, Ulgen [20] examined experimentally and analytically the thermal response of various wall formations under the effect of solar radiation. Furthermore, Cerne et al. [21] analyzed the dynamic thermal characteristics of lightweight building elements by employing a two-dimensional numerical model that was verified by an analytical method and outdoor experiments. The sol–air temperature was calculated with the measured ambient

temperature and short wave radiation. Vijayalakshmi et al. [22] investigated thermal behavior of opaque wall materials under influence of solar energy, and analyzed influence of thermophysical properties of different wall types on the interior environment. They concluded that large heat storage capacity increases time lag, and decreases decrement factor. Kontoleon et al. [13-14] investigated effect of outdoor absorption coefficient of an opaque wall and wall orientation and exterior surface solar absorbtivity on time lag, decrement factor and temperature variations for specific climatic conditions by employing a dynamic thermal-network model. They obtained that the solar absorbtivity has a profound effect on time lag, decrement factor and temperature variations. Yumrutaş et al. [1] developed a theoretical methodology based on periodic solution of one-dimensional transient heat transfer problem for the building structures in order to determine TETD values for three types of walls and flat roofs commonly used. They obtained that higher solar radiation and ambient air temperatures give higher TETD values, corresponding to higher heat gains and higher energy consumption to maintain a space at a given temperature. They also stated that the thermophysical properties of wall and roof structures have a very important effect on time lag and decrement factor.

There are several theoretical studies for finding time lag, decrement factor and TETD values, and effects of some parameters on the time lag and decrement factor for various wall or roof configurations. But a few experimental studies on these parameters of time lag, decrement factor and TETD values are carried out finite number of walls or roofs. The experimental studies are generally performed for small models in laboratories. Theoretical and experimental studies have been presented in Reference [20]. In his study, considering different wall configurations, effects of thermophysical properties on time lag and decrement factor are studied both theoretically and experimentally and the results are compared. When the study is examined, it will be seen that the study is performed in laboratory conditions. Outside conditions is prepared in the laboratory. That is, there is no atmospheric condition. Additionally, the walls used in the study have not realistic dimensions of 1 m^2 to assume heat transfer through the walls is one dimensional. In literature, there are no experimental studies on real walls or roofs used in building constructions. For the real applications, an experimental system is installed in University of Gaziantep campus to find time lag, decrement factor, TETD values of eight different walls and two different flat roofs commonly used in Turkey and for all cities in Turkey. The experimental system consists of two testing rooms. One of the rooms has an Air

Source Heat Pump (ASHP), and the other one has a Ground Source Heat Pump (GSHP). In order to determine TETD values of the building structures, the ASHP and GSHP are used to keep the rooms at inside design air temperature.

In the present study, theoretical and experimental investigation of TETD values for eight walls and two flat roofs commonly used in Turkey is proposed. Two testing rooms are constructed in the University of Gaziantep Campus to perform this purpose. Each testing room is essentially consisted of mainly measurement elements, ASHP or GSHP. In order to obtain TETD values, inside and outside air temperatures, and all surface temperatures of each wall and roof layers are measured simultaneously. The TETD values are obtained using the measured values of the temperatures as a function of TL and DF for all the walls and roofs. Hourly values of solar radiation flux on horizontal surface and outside air temperatures, which are measured from 1997 to 2007 for all cities, are taken from the Turkish State Meteorological Service to obtain more reliable sol-air temperature values. Solution presented in previous study [1] for transient heat transfer problem for the multilayer walls and flat roofs is used to compare time lag, decrement factor, temperature values in the structures, sol-air temperatures and TETD values obtained from the experimental study. Results obtained from the theoretical study are compared with the same parameters obtained from the experimental study.

CHAPTER 2

LITERATURE SURVEY

This section of the thesis gives historical background about cooling load calculation studies, and cooling load calculation methods introduced previously. The general concept of the thesis is to find TETD coefficient therefore, studies touching on required parameters in calculation of TETD values such as decrement factor, time lag and sol-air temperature are also surveyed. Different approaches for estimation of decrement factor and time lag, are given and results are compared to present study. Since sol air temperature is the function of hourly radiation on the roof and walls, and ambient air temperature, some notes are given about the calculation of solar radiation, gathering, and selecting of meteorological data.

Cooling load can be defined as amount of heat energy to be removed from any space to maintain temperature of the space at design climatic condition when worst case outdoor design temperature is being experienced. Cooling load not only compensate heat gain of space from outdoor but also includes heat occupied by peoples, lights, occupants etc. Lots of parameter exists that affects cooling load. Certain and precise analysis about these parameters are not possible due to relationship among them. Cooling load generally estimated by summing internal and external instantaneous heat gain components defined individually. Internal heat gain is completely independent from all out door effects. It is heat gain in the space due to internal occupants, machines, people and adjacent space. External heat gain is the heat gain of the space through outdoor walls, windows and roofs.

As previously defined; cooling load is the heat energy to be removed from any space to maintain indoor air temperature at design value. Heat energy to be removed is slightly different from heat gain in fact. Space heat gain is the rate at which heat enters a space, or heat generated within a space during a time interval. That is, the difference between the space heat gain and the space cooling load is due to the storage of a portion of radiant heat in the structure. The convective

component is converted to space cooling load instantaneously.Methods used in this survey based on hourly calculation of cooling load. Methods recommended by ASHRAE [7], VDI [23] are the most preferably used methods in the cooling load calculation.

First published studies by ASHRAE, that gives fundamentals of the recommended methods, reach to method of equivalent temperature differentials for exterior surfaces facing different directions for the worst exposure to solar radiation in 1940's. Mackey and Wright [24] treated homogenous walls and roof .They made a study about periodic heat flow through homogenous walls and roofs. Approximate and exact solutions for periodic heat flow through opaque building components are given. Basic concept of the study is variation of decrement factor and time lag with respect to thermal conductance and volumetric specific heat. The results have been given in paper graphically. Mackey and Wright [25] then extended their approach to multi layer composite wall and roof. This study was also estimation of periodic heat flow through walls and roofs. Boundary conditions and assumptions in their solution are same as the previous study. The multilayer constructions are reduced to simple homogenous structure in the study. Decrement factor and time lag of the composite wall is given in the study as well. Stewart [26] later used the study to calculate 'Equivalent Temperature Differentials' for different building materials and hours of day. It can be said that the concept of the method introduced by the Stewart was fundamentals of the Total Equivalent Temperature Difference/Time Averaging (TETD/TA) method and Cooling Load Temperature Difference/Solar Cooling Load/ Cooling Load Factor (CLTD/SCL/CLF) method.

Mitalas and Stephonson [27] describe a procedure for estimating both wall and roof response factor and room thermal response factor in 1967. Stephonson [33] later oriented the TETD/TA method which was the basic of the manual procedure given in ASHRAE Handbooks of Fundamentals in 1967 and 1972. TETD/TA method is the most well done and applied method in TURKEY. This method gives effective results in wide interval for experienced users. Equivalent Temperature Difference has taken the place of absolute temperature difference in the method due to ability of massive building materials heat storage capacity [34]. Building materials stored energy they are exposured, during day and they released this energy to the space after particular time lag. In the TETD/TA method the response factor technique introduced by Mitalas and Stephonson [27] was used to calculate TETD values as functions of sol-air temperature and maintained room

temperature. Various components of space heat gain associated TETD value and results are added to internal heat gain elements to get instantaneous total rate of space heat gain. This total heat gain then converted to an instantaneous cooling load by time averaging technique. Time averaging technique recognizes thermal storage by building mass and contents of the radiant portions of heat gain entering a space at any time, with subsequent release of stored heat to the space at any time. It further recognizes that the cooling load for a space at given hour is the sum of the all convective heat gain and nonradiant portion of conductive heat gain to that space, plus the amount of previously stored radiant heat gain released back to the space during that same hour ASHRAE [7].

Mitalas [30] introduced new method of Transfer Function Method (TFM) in cooling load calculation similar in principle to TETD/TA method however, the new method uses series of weighting factor (WF), or conduction transfer function (CTF) coefficients to the various exterior opaque surfaces and to differences between sol-air temperature and inside temperature to determine heat gain with appropriate reflection of thermal inertia of such surfaces. CTF are used to describe the heat flux at the inside wall, roof, partition, ceiling or floor as a function of previous values of the heat flux and previous values of inside and outside temperatures. The WF is used to translate the zone heat gain into cooling loads. Due to TFM complexity, the method force designers to spend valuable time consulting tables and performing repetitive calculations. ASHRAE developed a new method in 1975 derived form TFM to overcome complexity and make the TFM more manual friendly cooling load calculation procedure. This new method is called as CLTD/ CLF method and depends on tabulated data to simplify its operation for manual use. This method was subjected to several revisions to accommodate the problems that rose from approximations and limitations to cover more accurate tabulated data. Two important points exist in the method. At first, Heat gain from any heat source is not the same of cooling load met by air conditioning system since heat storage capacity of the materials. SCL and CLF coefficients are developed to incorporate heat storage effects in to cooling load. This method uses tabulated CLTD (cooling load temperature difference), SCL (solar cooling load factor), CLF (cooling load factor) all includes effect of time lag in conductive heat gain through opaque exterior wall and roofs and time delay by thermal storage in converting radiant heat gain to cooling load.

All of the recently cooling load calculation methods given by [31] based on calculating a surface by surface conductive, convective, and radiative heat balance

for each room surface together with convective heat balance for the room air. The model is called as Heat balance (HB) model (sometimes called the exact solution). To calculate space cooling load directly by heat balance procedures requires laborious solution of energy balance equations involving space air, surrounding walls and windows, infiltration and ventilation air, and internal energy sources. Some of the computations required by this rigorous approach to calculating space cooling load make the use of modern digital computers essential. All calculation procedures involve some kind of model requiring simplifying assumptions therefore are approximate. The fundamental assumption is that the air in the thermal zone can be modeled as well mixed, meaning it has a uniform temperature throughout zone. The next major assumption in the heat balance method is that the surfaces of the room can be treating as having

- Uniform surface temperatures
- Uniform long-wave and short-wave radiation
- Diffuse radiating surfaces
- One-dimensional heat conduction.

Within framework of the assumptions, the heat balance model can be presented as four distinct processes

1. Outside heat balance
2. Wall conduction process
3. Inside face heat balance
4. Air heat balance

Heat Balance Method is accurate method as it based on heat balance model permitting to calculate cooling load assuming a constant zone air temperature, or the floating zone air temperature when there is no cooling system, or zone temperature when cooling system on. For heat transfer through wall, conduction heat transfer coefficients (CTF) including time series method are used. The calculation of heat transfer takes place by multiplication of present values of interior and exterior surface temperatures, previous interior and exterior surface temperatures values and previous value of surface heat flux. Outside Face Heat balance includes heat balance among absorbed incident solar, convection to outside air, long wave radiation to outside surface and conduction through the wall. Inside Face Heat balance includes many heat transfer components, short wave (SW) radiation from lights, long wave (LW) radiation from internal sources, transmitted solar energy, LW exchange with other surfaces and convection to zone air. Outside

face and internal face heat balance are repeated for each of the surfaces enclosing the zone. Wall conduction solution techniques must deal with both simultaneous surface temperatures and conductive heat fluxes condition on internal and external sides of the wall under considerations. From a computational standpoint two methods that have been used widely are a finite difference procedure and a method using transfer function. Air heat balance involves infiltration ventilation exhaust air, convection from internal sources and interaction with HVAC system air components. Capacitance of the air in the zone neglected and it is done as a quasi-steady balance in each time period.

Using a complete heat balance would give better results than simplified method as the former balances all energy flow in each zone (which is not guaranteed for the approximate methods). Additional information about the component performance i.e. surface temperatures at various time, could be determined. The zone air balance equation can be formulated to solve for cooling load assuming a constant zone air temperature, or floating zone air temperature when there is no cooling system, or to find zone temperature when cooling system on.

RTS (Radiant Time Series) method is simpler to apply than heat balance method since, there is no zone heat balance and the storage and release of structure energy are approximated with predetermined zone response instead. The cooling load is found directly but the zone air temperature assumed constant. Design cooling loads are based on the assumption of steady periodic conditions. Thus, the heat gain for a particular component at a particular hour is the same as 24h prior, which is the same as 48h prior etc. RTS method is exactly the same as previous simplified methods (TFM and TETD/TA). Important areas that are different include the computation of conductive heat gain, the splitting of all heat gains into radiant and convective portions, and the conversion of radiant heat gains into cooling loads ASHRAE [36]. Radiant time factor and conduction time factors are to important factors derived from heat balance model. Radiant time factors reflect the percentage of an earlier radiant heat gain that becomes cooling load during the current hour. Likewise, conduction time factors reflect the percentage of an earlier heat gain at the exterior of a wall or roof that becomes heat gain at the inside during current hour. Methodology for RTS is as follow

- Component heat gain is calculated for 24 h period. Periodic response functions for the heat conduction through walls, roofs, and floors which involves 24 h coefficient. Conduction time series are applied to account conduction time delay
- Infiltration heat gain is directly converted to cooling load
- Heat gain from internal sources is calculated
- Heat gains are splited into radiant and convective parts. Convective heat gain directly become part of cooling load however, Time delay exists for radiant heat gain because of heat storage capacity of massive components.
- Appropriate radiant time series are applied to radiant part of heat gain to account for time delay in conversion to cooling load
- The hourly cooling load is determined by summing up the loads from the convective portions and cooling loads due to radioactive heat gains.

After calculating cooling loads for each component for each hour, they are summed to determine the total cooling loads for each hour and then the hour with peak load for design of air conditioner is selected.

VDI 2078 method was introduced by the association of German Engineer (VDI). The air temperature of a room is defined by the sum of all influencing convective heat flows. Heat flows due to radiation affect the air temperature only after absorption at a room temperature surfaces, delaying heat storage there, and subsequent conversion into convectively transmitted heat.

VDI 2078 is arisen with two methods Abridge (short-cut) method and the computer method. The short-cut method assumes a constant inside temperature. While in the computer, method inside temperature is stated according to boundary conditions. For the abridged method, internal heat gains are converted to cooling load by using cooling load factors. Cooling load factors depend on building materials, turning on and shutting down time of cooling unit and percentage of convective heat transfer. The cooling load factors take into consideration the delay and attenuation of the heat transmitted to the room air in comparison with the heat load due to radiation in the room. Equivalent temperature difference is used in the basic form of the conduction heat transfer equation to determine cooling load caused by the heat conduction through walls and roofs. Equivalent temperature difference tables for standard loads characterize the wall or roof by an attenuation

factor and time shift. For computer method, weighting factors are found for the room reaction. The value an output time function at a particular time is calculated by the integration of the product of the weighting function by the input time function at a previous time period. By using a recursive filter, the number of necessary weighting factors can be reduced. Where the transfer function known, the weighting factor can be determined.

Mackey and Wright [24] studied periodic heat flow through homogenous wall and roofs. The one dimensional periodic heat transfer through wall and roofs was solved by both an exact solution and approximate one. The exact solution is used to find 24 h inside surface temperature variation. An approximate solution presented in the study starts with knowledge of the periodic sol-air temperature as a function of time. Sol-air temperature, periodically changes, during 24 h. The sol air temperature at any times influences the inside surface temperature of the walls or roofs. Variation of periodic sol-air temperature by time is same as periodic variation of inside surface temperature but reduced in amplitude and delay in time. Change of two parameter decrement factor corresponding reduced in amplitude and time lag corresponding delay in time with respect to thermal conductance and volumetric specific heat is given graphically in the study.

Mackey and Wright [25] extended the solution given in previous study to composite walls and roofs. Periodic heat transfer was solved mathematically for composite two and three layer constructions. Additionally, subject of equivalent homogenous construction is given in the study. Equivalent homogenous construction is defined as a simple homogenous wall or roof which will have the same inside surface temperature variation with time compared to actual composite constructions under identical thermal ambient conditions. A simple methodology function of two thermal resistance and heat capacity is given clearly. The equivalent construction defined in the study is valid only in the particular case of periodic heat flow approaches. It cannot be extended to all other possible case of unsteady or transient heat flow. Conclusion from the study can be summarized as follow.

- Any composite wall or roof construction can be converted to one layer simple homogenous construction having same effects on internal surface temperature variation resulting same cooling load.
- Order of materials forming multilayer constructions influences thermal behavior of the construction. Using material having lower density on the outdoor layer decrease the decrement factor that is, maximum rate of heat

transfer to the inside and increase time lag. Interchanging any of the middle layers with the inside layer have no distinguishable effect upon thermal behavior of the wall. Interchanging outside layer with others layer in the middle and on the inside effects maximum rate of heat transfer to inside. For this reason, using low density material (low thermal conductivity and low volumetric specific heat) on the outer surface instead of high density material reduces the maximum rate of heat transfer and increase time lag. This result is also shown in present study.

- Solar absorptivity of outer layer is important parameters that effects maximum heat transfer rate into space directly.

Yumrutaş et al. [1], estimates total equivalent temperature difference values for multi layer walls and flat roofs by using periodic solution. Theoretical model used in the study is the same with used in the present thesis. The study is an important reference with validation of the theoretical model point of view. Time lags and Decrement factors for four different wall types numbered 31-34 in Mackey and Wright [24,25] and those obtained from present theoretical model are tabulated (Table 1.1). The values obtained in the study are sufficiently close to those given in Refs. [24, 25].

Table 1.1 DF and TL comparison given in Yumrutas et al. [1]

Wall Types	Mackey and Wright		Yumrutas et al.	
	TL	DF	TL	DF
31	3.38	0.21	4.06	0.25
32	12.2	0.021	12.84	0.03
33	3.6	0.186	4.3	0.21
34	4.6	0.16	5.29	0.19

Asan and Sancaktar [16] made a study about effects of wall's thermophysical properties on time lag and decrement factor. One dimensional transient heat conduction equation with convective boundary condition was solved by Crank-Nicholson scheme. The study shows that increase in thickness of single layer wall causes decrease in decrement factor and increase in time lag where other thermal properties held constant. Indoor surface temperature goes constant value with increase in heat capacity for constant thermal conductivity and constant thickness. AS heat capacity goes its maximum value, time lag goes exponentially infinity and

decrement factor goes to zero. In the case of individual varying of thermal conductivity, although inverse exponential relationship exists between time lag and thermal conductivity, direct relationship exist between decrement factor and thermal conductivity. The increasing in decrement factor getting slower after value of k=10 W/m-K.

Asan [17] investigates effects of wall's insulation thickness and position on time lag and decrement. Four different insulation positions within the wall were studied from time lag and decrement factor point of view. While Insulation materials, polyurethane foam, corkboard and rubber are selected in the study, thermal masses examined in the study are wood and brick. Insulation materials are replaced to inner surface, outer surface and center of thermal masses. Total thickness of construction is kept constant by reducing thickness of thermal masses at a rate of increase in insulation thickness. Study shows that thickness and location of insulation materials have a very profound effect on time lag and decrement factor.

Konteleon and Bikas [14] investigate the effect of absorption coefficient on time lag and decrement factor for south faced walls. They examine indoor temperature swing. Indoor temperature swing defined as the difference between the minimum and maximum temperature in the inner surface of the wall, during a day. And represents increase in temperature swing with absorption coefficient for all masonry wall types they studied. They imply that time lag values for all type walls decreases until the value of absorption coefficient reach to 0.2 value. Average external wall surface temperature linearly increases with absorption coefficient increase. Indoor temperature swing is also almost linearly increased with absorption coefficient. Minimum temperature swings are shown to be minimum when the insulation is placed on the outer surface.

Konteleon et al. [15] studied on effect of wall orientation and exterior surface solar absorptivity for specific climatic conditions, on time lag and decrement factor. In the study, the transient thermal analysis is obtained via thermal circuit that models accurately the fundamental heat transfer mechanism on both boundaries and through the multilayer wall configurations. The mathematical formulation and solution of the lumped model given in the paper is achieved in discrete time steps by adopting the non linear nodal method. Given technique in the study simulates the combined process of conduction, convection and radiation under specified environmental conditions. The transient analysis of these lumped models is based

on the analogies between the electrical and thermal circuits and equivalence of Ohm's electrical law (I=V/R) to the thermal laws (Conduction Fourier law, Convection Newton's law, Radiation Stephan Boltzman law).The general differential equation governing heat flow in a thermal system are analogues to the equations representing in current flow in an electrical system. The analogy between the thermal and electrical quantities is clear from the equivalences between Fourier law and ohm laws. Lastly, thermal circuit analysis in the study is done by an computer program which has developed for the purpose, using non linear nodal approach coupled with numerical interference (Hybrid methodology).The solution of the nonlinear equations ,based on the combined convection and radiation boundary conditions, is iterative and takes into account the dependence of heat transfer coefficient from boundary temperatures.

The investigations in the study are carried out on masonry walls thickness of 18 cm as one layer and 9 cm as two layers. Insulation is replaced as one layer having thickness of 4cm and two separated layers having 2 cm thickness each. Coatings are on both surfaces have thickness of 2 cm. Insulation is assumed to be placed as one layer or two equivalent layer on the outer surface, the inner surface and the mid-center of the masonry (six wall configurations). Authors give variation of time lag and decrement factor with surface solar absorptivity graphically for six different wall configuration faced to four basic directions. Results are important to design energy conscious buildings.

Asan H. [19] made a numerical computation of time lag and decrement factors for 26 different building materials. The walls under considerations in the study are assumed to be only in the x direction. The one dimensional transient heat conduction for the problem is given. At the inner surface boundary condition is convection boundary condition. At the outer surface boundary condition includes both convection and radiation effect by defined temperature of sol-air. Inside temperature is taken constant. Crank–Nicholson numerical method is applied to the one dimensional heat conduction equation having periodic boundary conditions on the outer surface. The algorithm is developed to take care of *n* layers. Author find the time lag value, for wall having enough thickness that causes the maximum inner surface temperature takes place out of 24h period, by adding 24 hour to classical time lag definition. Author investigated effect of heat capacity and thermal diffusivity on time lag and decrement factor for different thickness. For small wall thickness L< 0,05 m all material have almost constant time lag and decrement value. For the wall

thickness L > 0,05 m materials with higher thermal diffusivity give considerable higher decrement factor and lower time lag then materials having lower thermal diffusivity. Investigation of heat capacity effects on time lag and decrement factor shows that thermal conductivity has dominant effect until the heat capacity value of 700 kJ/m^2 K. After this point heat capacities are getting dominant and decrement factor go into sharply decreasing trend. By the time lag point of view thermal conductivity and heat capacity have equally important effects. Thickness of material is shown very deterministic from time lag and decrement factor of view. Decrease in decrement factor of materials having higher thermal conductivity become sharply after the thickness value of 30 cm.

Ulgen [20] also has made an experimental and theoretical study about effects of thermo physical properties on time lag and decrement factor. Ten different wall types are examined in the study and results are tabulated. Main parameters studied in the papers are heat capacity, thermal conductivity and thermal diffusivity. Increase in both mass density and specific heat has positive effect on time lag and decrement factor. That is, decrement factor decreases however time lad increases with increase in mass density and specific heat. Increase in thermal conductivity causes heat storage coefficient and heat-spreading coefficient to increase. Because of increase in spreading coefficient is undesirable, author noticed that it is impossible to obtain positive results for both heat storage and heat spreading. Author also call attention to keeping the temperature variations of interior medium at minimum level by preferring wall construction having a lower level of heat storage capacity for the spaces used for short time and limited time interval and wall construction having higher level heat storage capacity for the buildings used for long period of time.

Vijayalakshmi et al. [22] make a study on thermal behavior of building wall elements. They investigate the thermal behavior of opaque wall materials under the influence of solar energy and analyze the influence of thermophysical properties of different wall types on the interior environment. An experimental setup was established. Sol air temperature is simulated by heating and cooling equipment in compartment at one side of the wall. Temperature of another compartment exists at other side of the wall is maintained. Nine different wall types were studied by the author and their heat transfer coefficient, time lag, and decrement values are tabulated in the paper. Authors point out that the multi-layer cavity walls and insulated walls have better ability to reduce inner surface temperature fluctuations

due to lower U-value, lower decrement factor and higher time delay. Some deductions from discussions in the paper as follow; Increase in the thermal capacity due to additional layers increases the thermal time delay. Position of the insulation has influence on thermal time delay. Replacement of insulation to outer surface increases thermal time delay. Heat storage capacity and thermal diffusivity strongly influence the magnitude and timing of the heat flux in to the building indoor space. Higher thermal diffusivity decreases the time lag and increases the decrement factor, however large heat storage capacity leads to converse effects. The results of the study can be useful for passive solar design of the buildings.

M. Özel and Pıhtılı [32] make a study to determine optimum location and distribution of insulation in a wall. 12 different wall configurations with different insulation configuration are under investigation. Implicit finite difference method is used to solve transient heat conduction problem. Radiation on inclined surfaces is estimated by the same method with present study. Outdoor boundary condition includes both convection and radiation heat transfer by aid of defined sol-air temperature. Inner boundary condition is convection boundary condition. Heat transfer through the wall during winter season and summer season is estimated in the study. Inner temperature of the space is taken as 23°C for winter and 20°C for summer. The solar absorptivity of opaque wall, outdoor heat transfer coefficient and indoor heat transfer coefficient are 0.9, 22 W/m^2K and 6 W/m^2K, respectively. When results are examined, followings can be noticed. Insulation placed on the outside of the wall rather than placed on the inside of the wall is better from the point of view of maximum time lag and minimum decrement factor. Equal thickness of insulation rather than different thickness placed on the indoor and outdoor surface of the wall is better from the time lag and decrement point of view. Summer or winter climatic conditions and wall orientation has not appreciable effect on the optimum location and distribution of the insulation in the wall.

TFM cooling load calculation method introduced by ASHRAE has been subject of further studies. Study was done by Al-Rabghi and Al-Johani [10] about prediction of the hourly cooling load calculation by TFM. Effects of different types of walls and roofs as well as effects of fenestration were investigated. New computer program was developed and this develop code was compared to hand calculations to show how accurate the results obtained. Satisfactory agreement was obtained as a result of comparison with well known Carrier program as well.

Eşkin and Türkmen [33] have been simulated interactions between different condition, control strategies and heating/cooling loads in office buildings in the four major climate zones in Turkey. The site-recorded and simulated results are compared. The effect of the parameters like the climatic conditions (location), insulation and thermal mass, aspect ratio, color of external surfaces, shading, window systems, ventilation rates and different outdoor air control strategies on annual building energy requirements is examined and presented in the study as well. Author used Energy Plus building and energy simulation software developed by US department of Energy. The software calculates thermal loads by the heat balance method. The parametric study is done for different climatic zone of Turkey, Ankara, İstanbul, İzmir and Antalya. Long term weather data were obtained from National Meteorological Institution for each city. Typical meteorological year were developed for each city. Cooling load and heating load simulation results are compared to measured data on June 10 – July 1, 2002 and December 30, 2001-January 13, 2002. Results are in accordance.

Kaplanis [34], describes two new friendly and reliable approaches to estimate hourly global solar radiation on a horizontal surface. Two methodologies are given in the study. Methodologies for the determining of the hourly global solar radiation in a day n_j, on the horizontal, $I(h;n_j)$ is attempted with a new model based on the formula $I(h;n_j)=a+b\cos(2\pi h/24)$. Here, a and b depend on latitude, and n_j, day. Author developed a methodology instead of sophisticated and complex functions. Author compared his results to three existing models METEONORM package, Jains model and Baiq et al model. Results are very close each other and measured values. Proposed model by the author gives an under estimation of 2-3%, for the worst case, which is January at solar noon. While for the rest of the day, estimates are very close to recorded values.

Nijmeh and Mamlook [35] make a study to compare the results of two widely used models with measurements using microprocessor based weather station at Amman, Jordan for south facing surface inclined at 45^o and to determine the more accurate one for estimating solar radiation on tilted surfaces for Amman. Two widely used models selected by the authors are the isotropic model of Liu and Jordan and anisotropic model of Hay's. These two models used same method of calculating beam and ground reflected radiation on a tilted surface. The only difference exists in the treatment of diffuse radiation. The first model assumes that the intensity of sky diffuse radiation is uniform over the sky dome. The second model assumes the

anisotropy of the sky diffuse radiation in the circumsolar region (sky near the solar disc) plus an isotropically distributed diffuse component from the rest of the sky dome. Two statistical tests, root mean square error (RMSE) and mean bias error (MBE) are used by author to compare the two models. Results of the comparison shows that isotropic model produces slightly better results during the summer months while the anisotropic model resulted in the less error during the rest of the year. The two models are over estimated during summer period and under estimated during the rest of year if they compared to measured data. Finally, ratio of monthly averaged daily radiation on a tilted surface to that on a horizontal surface (R) is given in the table in the paper.

Notton et al. [36] tested 94 combinations of well known models to calculate the hourly global solar irradiation on a tilted surface from only experimental horizontal global irradiations. In the study, they classified well known methods in two models named as seven model and fifteen model. Seven model include seven previous approach which calculated diffuse horizontal irradiations from global ones and later computed global irradiations on inclined planes from diffuse and global components on a horizontal surface. They calculate the adequacy of each association for collected experimental hourly data. The statistical coefficient RMSE and MBE have been computed for 3925 data for each studied inclination angle of 45^{o} and $60\ ^{o}$ results show that several combinations of models give very close results and highlight the best way to calculate the hourly global solar radiation on a tilted surface is difficult.

Mefti et al. [37] prepare an important data base useful for solar energy application in Algeria. They evaluate hourly global solar radiation flux incident on an inclined surface by using monthly mean daily sunshine duration measurements. The methodology used to obtain successive transformations of solar data based on the exponential probability, beta probability, Angstrom equation and polynomial correlations. Daily clearness index K_t is computed with help of Angstrom equation then K_t data are transformed into hourly clearness index k_t using the beta probability distribution. The hourly diffuse and direct ratios are defined in terms of hourly clearness index and solar elevation angle. The methodology described in the paper is applicable to any country where monthly mean daily sunshine data are abundant, whereas, solar radiation measurements are rare. Four types of inclination have been considered in the study. Three surfaces are vertical and directed towards east, west and south. Fourth one has inclination angle equals to latitude. Six different

approaches for estimating solar radiation have been tested. They are differs from one to another by the way used to calculate the diffuse component of solar radiation. They found that all models yield similar results with about 10% relative error estimations. They selected Klücher model to calculate hourly global solar radiation flux for tilted surface.

Sanea et al. [38] compared the measured horizontal radiation data and calculated radiation data on horizontal surface. They generates an adjustment factor ($\Phi<1$) for every month to adjust the calculated clear-sky flux in order to account for the effects of local weather conditions. They shows that results obtained from ASHRAE clear sky model are over predicted especially for months of October to May. They also estimate instantaneous daily and yearly solar radiation on various surfaces, such as building walls and flat plate collectors. The calculations of the solar radiation on horizontal and vertical surfaces in the study are based on the ASHRAE clear sky model. The latitude, longitude and standard meridian for the local time zone are specific inputs to the model given. Although ASHRAE gives the parameters for 21st day of each month, Authors obtain the parameters for every day in the tear and solar radiation data are produced for ever 15 minutes. Therefore, the values of the solar parameters (A, B and C) for the days other than 21^{s} day in each month are obtained by interpolation. A, B and C parameters used in the study are not same of given parameters by ASHRAE. They used A, B and C parameters introduced by Machler and Iqbal [39].

CHAPTER 3

THEROTICAL ANALYSIS

3.1. Introduction

The objective of this chapter is to give methodologies for calculating Total Equivalent Temperature Difference (TETD) values for building walls and flat roofs commonly used in Turkey. The methodology given for calculation of TETD values consists of calculation of sol-air temperature for each direction, time lag and decrement factor of each wall configuration, hourly solar radiation on tilted (vertical wall) surfaces, and then calculation of TETD values. In these calculations, measured values of temperatures and solar radiation on horizontal surface are used. Theoretical model developed by Yumrutaş et al. [1, 4] is presented for comparison of results obtained from the experimental study. In this chapter, solution procedure of transient heat conduction problem for multilayer building wall and flat roof, and expressions for time lag, decrement factor and TETD are summarized.

3.2. Estimation of Total Equivalent Temperature Difference (TETD*)*

Heat gain through a wall or flat roof depends on inner surface temperatures of the structure, inside room air temperature and convection heat transfer coefficient. The inner surface temperature of the structures changes with time which depends on solar radiation on the structures, outdoor air temperature, the indoor conditions, and thermophysical properties of the wall and roof materials [22]. A methodology for determining TETD values was developed to consider effects of all these parameters. The heat gain is obtained by multiplying UA-value of the building elements with the TETD value [21]:

$$Q = UA\,(TETD) \tag{3.1}$$

where, U is the overall heat transfer coefficient of the building wall or roof and A is the surface area.

The TETD is given by

$$TETD = t_{ea} - t_i + (DF)(t_{eTL} - t_{ea}) \tag{3.2}$$

where, t_i is inside air temperature, t_{ea}, and t_{eTL} are daily average sol-air temperature and sol-air temperature time lag hours ago, respectively. Combined effect of incident solar radiation and outdoor air temperature on the building envelope is indicated by imaginary temperature called sol-air temperature. It is the fictitious outdoor dry bulb temperature such that in the absence of solar radiation, the surface will exchange the same net amount of energy to air at sol-air temperature as is exchanged in the actual environment [21], and is expressed as

$$t_e = T_o + \frac{\alpha_s I_T}{h_o} - \frac{\varepsilon \Delta R}{h_o} \tag{3.3}$$

Parameters used in Eq. (3.3) for horizontal and vertical surfaces are taken from ASHRAE [7]. For horizontal surfaces that receive long-wave radiation from the sky only, the appropriate value of ΔR is about 63 W/m^2, so that if ε=1 and h$\approx$17 W/(m^2 K), the long-wave correction term is about -3.9°C. Therefore, it is common practice to assume ΔR=0 for vertical surfaces. Sol-air temperature values are calculated for three values of parameter α_s/h_o; the value of 0.026 is appropriate for a light colored surface, while 0.039 and 0.052 represent the usual gray and maximum value for this parameters, respectively. I_T presented in Eq. (3.3) is solar radiation on tilted surface and its calculation procedure is given in below section.

The TETD values for any wall or roof are functions of sol-air temperature variation, time lag (TL) and decrement factor (DF). The TL is defined as the time required for a heat wave to propagate through a wall or flat roof from the outer to the inner surface. On the other hand, the DF is defined as the decreasing ratio of its temperature amplitude during the transient process of a wave penetrating through a solid element [13]. The definitions of TL and DF are indicated in Fig. 3.1. The TL and DF are very important characteristics of a building wall and roof structures to determine their heat storage capabilities. In this study, the TL and DF are computed by the following relations:

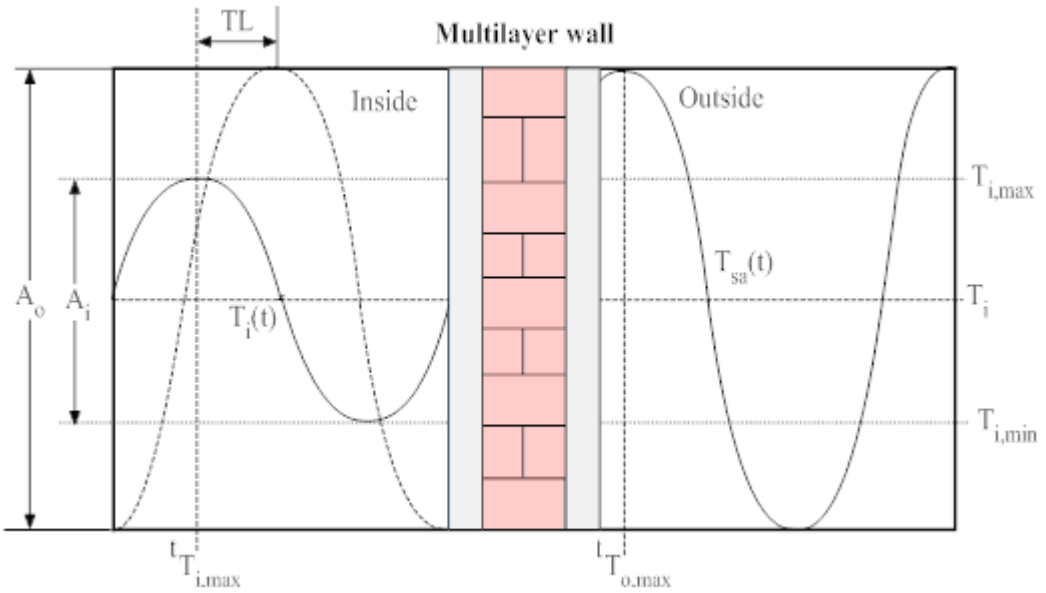

Figure 3.1. Schematic representation of time lag and decrement factor

$$TL = t_{T_{i,max}} - t_{T_{o,max}} \tag{3.4}$$

$$DF = \frac{A_o}{A_i} = \frac{T_{i,max} - T_{i,min}}{T_{o,max} - T_{o,min}} \tag{3.5}$$

Here,, represent the times when interior and exterior surface temperatures are at their maximums, respectively. In addition, $T_{i,min}$, $T_{i,max}$, $T_{o,min}$, and $T_{o,max}$ are the minimum and maximum temperatures on both of the interior and exterior surfaces, respectively.

3.3. Hourly Solar Radiation on Tilted Surface

Solar radiation flux on the wall or roofs is most effective for heat gain of any space, as seen in Eq. (3.3). Since solar radiation flux is essential in calculating heat gain of a wall, an appropriate equation should be used to find solar heat gain of the wall [8]. For that reason, it is necessary to find hourly total solar radiation incident on the wall surfaces, I_T (t) by using hourly measured solar radiation on a horizontal surface. This is because local meteorological stations measure only solar radiation on the horizontal surface. In this study, hourly mean values of solar radiation data measured between 1997 and 2007 are used to calculate the hourly solar radiation flux on the wall surface.

Theoretical upper limit of solar radiation available at the earth surfaces is called as the extraterrestrial radiation. The radiation emitted by the sun and its spatial relationship to the earth causes a nearly fixed intensity of solar radiation external side of the earth's atmosphere. This intensity is represented by the solar constant, G_{sc} which is the energy from the sun, per unit time, received on a unit area of surface perpendicular to the direction of spreading of radiation, at mean earth sun distance, outside of the atmosphere. The value of G_{sc} of 1367 W/m^2 is used in this study. The extraterrestrial radiation depending on time of year is given by the following equation.

$$G_{on} = G_{sc}(1 + 0{,}033 \cos \frac{360\,n}{365}) \tag{3.6}$$

where G_{on} is the extraterrestrial radiation measured on the plane normal to the radiation on the *n*th day of the year. Beam radiation is the solar radiation received from the sun without having been scattered by the atmosphere. Diffuse radiation is the solar radiation received from the sun after its direction has been changed by scattering by atmosphere. It is necessary to calculate the hourly radiation on a tilted surface from the measurements of solar radiation on a horizontal surface. The available data are total radiation for hours on the horizontal surface, whereas the beam and diffuse radiation is needed for this purpose.

Solar time is the time on the basis of the apparent angular motion of the sun across the sky, with solar noon the time the sun crosses the meridian of the observer. It shouldn't be confused by local clock time. The difference between solar time and standard time is;

$$\text{Solar Time - Standard Time} = 4(L_{st} - L_{loc}) + E \tag{3.7}$$

where L_{st} is the standard meridian for the local time zone. L_{loc} is the longitude of the location considered. The equation of time E (in minutes) is determined from equation 3.8.

$$E = 229.2(0.000075 + 0.001868\cos B - 0.032077\sin B - 0.014615\cos 2B - 0.04089\sin 2B) \tag{3.8}$$

where B is,

$$B = (n - 1)\frac{360}{365} \tag{3.9}$$

Declination angle δ is the angular position of the sun at solar noon with respect to the equator plane, north positive. The declination δ is function of the day of the year and can be found from the Equation 3.10.

$$\delta = 23.45 \sin(360 \frac{284 + n}{365}) \tag{3.10}$$

Hour angle ω determines angular displacement of the sun east or west of the local meridian due to rotation of the earth on its axis at 15° per hour angle takes negative value at morning and positive value at afternoon.

Angle of incidence θ is the angle between the beam radiation on a surface and the normal of that surface. It can be estimated by the relation.

$$\begin{aligned} \text{Cos}\,\theta = {} & \sin\delta \sin\phi \cos\beta - \sin\delta \cos\phi \sin\beta \cos\gamma + \cos\delta \cos\phi \cos\beta \cos\omega \\ & + \cos\delta \sin\phi \sin\beta \cos\gamma \cos\omega + \cos\delta \sin\beta \sin\gamma \sin\omega \end{aligned} \tag{3.11}$$

Zenith angle is the angle between the beam radiation and normal of earth surface. Thus, for horizontal surfaces, the angle of incidence becomes the zenith angle of the sun, θ_z . For this situation β=0, and the equation above becomes as:

$$\text{Cos}\,\theta_z = \cos\phi \cos\delta \cos\omega + \sin\phi \sin\delta \tag{3.12}$$

The ratio of beam radiation on the tilted surface to that on a horizontal surface at any time can be calculated as below;

$$R_b = \frac{\text{Cos}\,\theta}{\text{Cos}\,\theta_z} \tag{3.13}$$

Extraterrestrial radiation on a surface for an hour period is,

$$I_o = 12.\frac{3600}{\pi} G_{SC}.\left[1+0{,}033.\cos\left(360.\frac{n}{365}\right)\right].(\cos(\phi).\cos(\delta).[\sin(\omega_2)-\sin(\omega_1)]+ 2.\pi\left(\frac{\omega_2-\omega_1}{360}\right).\sin(\phi).\sin(\delta)) \quad (3.14)$$

The hourly clearness index k_T is the ratio of hourly radiation on a horizontal surface to hourly extraterrestrial radiation, which is given as,

$$k_T = \frac{I}{I_o} \quad (3.15)$$

The ratio of hourly diffuse radiation on a horizontal plane to that of total hourly radiation on horizontal plane is correlated for different range of clearness index as follow.

$$\frac{I_d}{I} = \begin{cases} 1-0.09k_T; k_T \le 0.22 \\ 0.9511-0.16k_T+4.388{k_T}^2-16.638{k_T}^3+12.336{k_T}^4; 0.22 \le 0.8 \\ 0.165; k_T > 0.8 \end{cases} \quad (3.16)$$

Beam radiation is,

$$I_b = I - I_d \quad (3.17)$$

The radiation on the tilted surface was considered to include three components; beam, isotropic diffuse, and solar radiation diffusely reflected from the ground. The total solar radiation on the tilted surface for an hour as the sum of three terms:

$$I_T = I_b R_b + I_d\left(\frac{1+\cos\beta}{2}\right) + I\rho_g\left(\frac{1-\cos\beta}{2}\right) \quad (3.18)$$

where ground reflectance ρ_g is usually taken as 0.2.

3.4. Formulation of the Heat Transfer Problem

Theoretical model is consisted of solution of transient heat transfer problem for multilayered wall and flat roofs, estimation of solar radiation flux on the wall surfaces and heat flow through these structures. Procedures for each component of the theoretical model are presented shortly in this section. The geometrical configuration of a multilayered building wall or flat roof is shown in Fig.3.2**.** The wall section consists of a finite number of layers with different thicknesses and thermal and physical properties. The thickness of the n'th layer is denoted by L_n, and the transient temperature field within the n'th layer is denoted by $T_n(x,t)$. The left side of the wall is exposed to room air, which is kept at a fixed inside design air temperature, T_i. That is; there is convection heat transfer between wall and inside air, which relates directly to the air conditioning load required to maintain the inside design temperature. The right hand side of the wall is exposed to known time varying periodic ambient air temperature, $T_o(t)$, and solar radiation flux, $q_s(t)$. There is convection heat transfer between wall and outside air at the temperatures of $T_N(L_N,t)$ and $T_o(t)$, respectively.

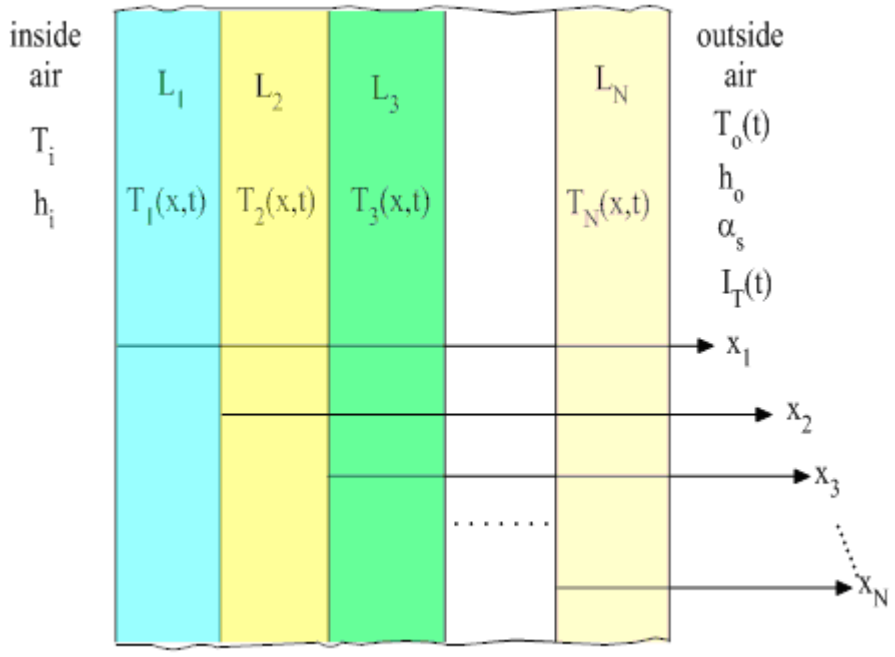

Figure 3.2. Geometrical configuration of a multilayer wall or flat roof

The mathematical model is formulated using the following assumptions.

i. There is no heat generation in each layer of walls or roofs.
ii. There is a good contact between the layers; hence the interface resistance is negligible.
ii. The variation of thermal and physical properties is negligible.
iv. The convection coefficients are constant and are based on the direction of heat flow.

The governing equation for the heat flow through the multilayer building elements can be expressed as functions of inner wall surface and room air temperatures, thermal and physical properties of the elements. The heat flow in a direction perpendicular to the wall surface can be given as one dimensional time dependent partial differential equation, boundary and matching conditions to find the temperature variation at the interior and at any position in the wall or roof structures, which are presented in Yumrutaş et al. [1,4].

$$\frac{\partial^2 T_n}{\partial x^2_n} = \frac{1}{\alpha_n}\frac{\partial T_n}{\partial t} \qquad \text{for } 1 \le n \le N \qquad (3.19)$$

where α_n is the thermal diffusivity ($k_n/\rho_n c_n$) and the subscript n refers to the layer, i.e., n=1, 2,…,N. Two boundary conditions at the inside and outside surfaces are given as

$$h_i(T_i - T_1) = -k_1\frac{\partial T_1}{\partial x_1} \qquad \text{at } x_1 = 0 \qquad (3.20)$$

$$-k_N\frac{\partial T_N}{\partial x_N} = h_o\left[T_N - T_o(t)\right] - \alpha_s I_T(t) \qquad \text{at } x_N = L_N \qquad (3.21)$$

where, h_i and h_o are the combined heat transfer coefficients at the inner and outer surfaces, k is the thermal conductivity and α_s is the solar absorbtivity of the surface. It is necessary to give additional conditions which can be used for solving the differential equation since the periodic solution is independent of the initial temperature distribution. These conditions are known as matching conditions

$$-k_{n-1}\frac{\partial T_{n-1}}{\partial x_{n-1}}(x_{n-1}=L_{n-1})=-k_n\frac{\partial T_n}{\partial x_n}(x_n=0) \qquad \text{for } 2\le n\le N \tag{3.22}$$

$$T(x_{n-1}=L_{n-1})=T(x_n=0) \qquad \text{for } 2\le n\le N \tag{3.23}$$

The problem given by Eqs. (3.19)-(3.23) is converted into dimensionless form presented in Yumrutaş et al. [1]. The dimensionless form of the problem is transformed by an application of the following Complex Finite Fourier Transform (CFFT) that is also applied to the energy storage problems presented in Yumrutaş et al. [1, 4].

$$T_n(z_n,\tau)=\sum_{j=-M}^{M}T_{nj}(z_n)e^{i\omega_j\tau} \qquad \omega_j=2\pi j \tag{3.24}$$

$$T_{nj}=\int_{-1/2}^{1/2}T_n\,e^{-i\omega_j\tau}d\tau \qquad T_{no}=\int_{-1/2}^{1/2}T_n d\tau \tag{3.25}$$

The transformed problem is then solved, and the solution is given in Yumrutaş et al. [1] in detail. The general solution is given as:

$$T_{no}=A_n z_n+B_n \qquad \text{for } j=0 \tag{3.26}$$

$$T_{nj}=C_{nj}\sinh(\gamma_{nj}z_n)+D_{nj}\cosh(\gamma_{nj}z_n) \qquad \text{for } j\neq 0 \tag{3.27}$$

When the solution Equations. (3.26)-(3.27) are inserted in the inverse transform of the CFFT expressed by Eq. (3.24), general closed solution of the problem is then obtained as:

$$T_n(z_n,\tau)=\sum_{j=-M}^{M}T_{nj}(z_n)\,e^{i\omega_j\tau} \qquad \omega_j=2\pi j \tag{3.28}$$

where, M is the large number. The temperature, $T_n(z_n,t)$ at any point in the structure does not change when the number takes above the M.

Heat flow rate from the wall to the space can be calculated by using the temperature variations at the inside surface of the wall, inside room air temperature and convection heat transfer coefficient.

$$q_c = h_i\left[T_1(0,t) - T_i\right] \tag{3.29}$$

where $T_1(0,t)$ is the inside surface temperature of the wall or flat roof, which is obtained by using the general solution given in Equation (3.28) for a distance of $z_n=0$.

$$T_1(0,t) = \sum_{j=-M}^{M} T_{1j}(0)\, e^{iw_j\tau} \qquad \omega_j = 2\pi j \tag{3.30}$$

3.4.1. Interior surface temperatures

In order to determine the TL and DF, it is necessary to find the highest and lowest temperatures at the interior and exterior wall and roof surfaces, and time period to reach these temperatures. In this section, a procedure for finding temperature variation at the interior wall or roof surface will be presented. The solution given by Equation (3.28) can be used to find the highest and lowest temperatures at the interior surfaces.

Variation of temperature with respect to time at the interior surface may be obtained by inserting layer number, n=1 and dimensionless distance, $z_1=0$, into Equation (3.28)

$$T_1(0,\tau) = \sum_{j=-M}^{M} T_{1j}(0)\, e^{i\omega_j\tau} \qquad \omega_j = 2\pi j \tag{3.31}$$

where, $T_{10}(0)$ and $T_{1j}(0)$ are transformed temperatures, which are B_1 for j=0 and D_{1j} for $j\neq1$, respectively. These constants of B_1 and D_{1j} are obtained from equations given in [3.23-3.24] in detail. When derivative of Equation (3.31) is set equal to zero, and constants of B_1 and D_{1j} are inserted in the derivative of the Equation (3.31), the highest and lowest temperatures, and the period can be determined from

$$B_1 + \sum_{j=-M}^{M} D_{1j} \left[-\mathrm{Sin}(2\pi j\tau) + i\ \mathrm{Cos}(2\pi j\tau) \right] = 0 \qquad (3.32)$$

where, τ's are periods of dimensionless time. Roots of the Eq. (3.32) give the periods of time at which the highest and lowest temperatures take place. It is significant to obtain the roots of this equation for determining of the highest and lowest temperatures. A computer program known as Mathematica is used to find the periods of time for 50 terms (j=50). The 50 terms are sufficient to obtain exact results since more than 50 terms do not affect the results. The highest and lowest temperatures may be determined by inserting the roots of the Eq. (3.32) into Eq. (3.31).

3.4.2. Exterior surface temperatures

The procedure given above for the interior surfaces will be applied for the exterior surfaces and for finding the highest and lowest temperatures and the time period in reaching these temperatures. Temperature distribution for the exterior wall or roof surface is given as:

$$T_N(1,\tau) = \sum_{j=-M}^{M} T_{Nj}(1)\, e^{i\omega_j \tau} \qquad \omega_j = 2\pi j \qquad (3.33)$$

where N is the layer number of the external surfaces, which is inserted into Eq. (3.23) for dimensionless distances of z_N = 1. Setting the derivative of the temperature distribution equation (3.33) to zero, and inserting the constants given in Yumrutaş et. al. [4] into that equation, we obtain

$$A_N + B_N + \sum_{j=-M}^{M} \left[C_{Nj}\mathrm{Sinh}(\gamma_{Nj}) + D_{Nj}\mathrm{Cosh}(\gamma_{Nj}) \right] \left[-\mathrm{Sin}(2\pi j\tau) + i\ \mathrm{Cos}(2\pi j\tau) \right] \omega_j = 0 \qquad (3.34)$$

where, A_N and B_N are variables for j=0. There is no need to use zero j indices in numerical calculations. The time periods for reaching the highest and lowest temperatures at the surfaces are obtained using 50 terms. The obtained time is inserted into Eq. (3.33) to determine the highest and lowest temperatures.

CHAPTER 4

EXPERIMENTAL SETUP

4.1. Introduction

In this study, an experimental study for determining of Time Lag (TL), Decrement Factor (DF), and Total Equivalent Temperature Differences (TETD) is investigated. An experimental system was installed at the south side of Laboratories of Mechanical Engineering Department in University of Gaziantep to perform this investigation. The experimental system is composed of two testing rooms. Each room is consisted of mainly seven components which are four different walls and a roof, measurement elements, data logger, computer, Air Source Heat Pump (ASHP) and Ground Source Heat Pump (GSHP). In this chapter, each component of the experimental setup and its characteristics are explained in detail.

4.2. Testing rooms

Two testing rooms were constructed having dimensions of 4 m x 4m x 2,7m. The rooms have four different walls and a flat roof. Construction period of the rooms can be mentioned as follows. Firstly, ground was excavated to obtain rigid foundation to the room or platform of the room. The excavated space is filled up with stone and concrete, and a suitable mechanism is placed in the concrete. The mechanism has a capacity that carries weight of the room completed, and it allows it to be rotated. Drawing of the rotator and its picture are given in Figure 4.1. The rotator has vehicle axles with hubs of wheel. Two axles of a wheel were divided into two equal parts. 56 cm diameter 15 mm steel plate was fastened to each hub of wheels to be used instead of the common wheels. An extra hub of wheel was placed in the concrete block in the centre of the rotator vertically. Circular steel plate with 1 m diameter 15mm thick was replaced on it and connected to the others by I beams. Four steel plates on hub of wheels were placed on steel circular rail path laid on concrete block in ground. The steel path has 10 mm thick and 10 cm width, and its inner radius is 195 cm. Picture of a room constructed on the platform that can be rotated on the steel circular rail is shown in Figure 4.2. Also picture of two rooms are seen in Figure 4.3.

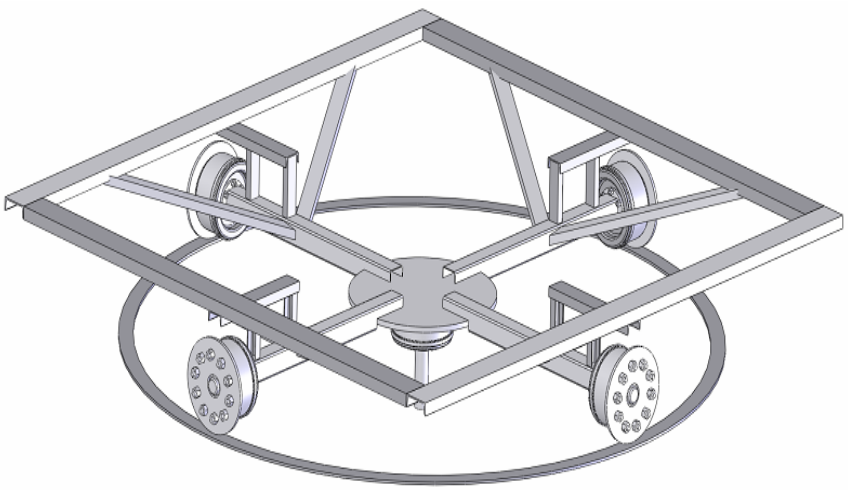

Figure 4.1. Drawing and picture of a rotator

Figure 4.2. Picture of a room constructed on frame with four wheel

Figure 4.3. Picture of the testing rooms

The rooms have eight different types of walls and two different types of roofs, which are commonly used in Turkey. The rooms are named as Room 1 and Room 2. Brick, blokbims, Autoclaved Aerated Concrete (it will be called as AAC in this study) and XPS (wall with extrude polystyrene insulation) walls were selected for the Room 1. All walls have no insulation materials except the XPS wall. Briquette, covering, EPS (wall with expanded polystyrene insulation) and siding walls were used in the Room 2.There are two types of roofs. The roofs are named as Roof 1 and Roof 2. Roof 1 has plaster, concrete and insulation material but Roof 2 consisted of only plaster and concrete has no insulation material. This roof is a commonly used type of roof in Turkey. Schematic representation of the walls and roofs and their dimensions are given in Figure 4.4. Thermophysical properties of wall and roofs materials are given in Table 4.1.

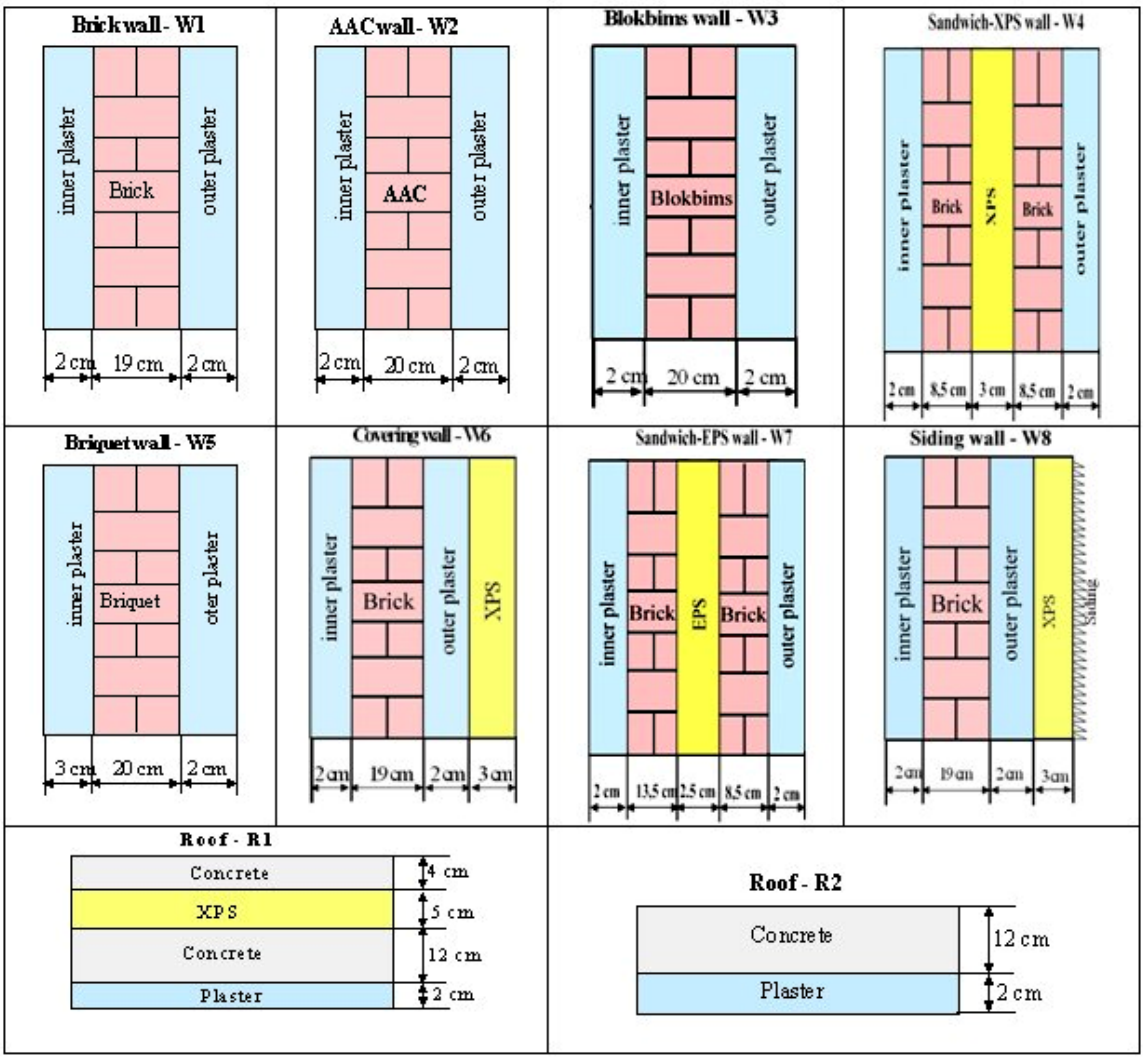

Figure 4.4. Schematic representation of the walls and roofs and their dimensions

Table 4.1. Thermophysical properties of wall and roof materials

	Thermal conductivity k (W/m K)	Density ρ(kg/m^3)	Specific heat c (kJ/kg K)	Heat capacity ρc (kJ/m^3 K)	Thermal Diffusivity α (m^2/s)
Briquette	0,920	1600	0.840	1344.00	6.84 x10^{-7}
Brick	0.690	1580	0.840	1327.20	5.20 x10^{-7}
Blokbims	0,230	770	0.835	642.95	3.57 x10^{-7}
AAC	0.150	400	1.047	418.80	3.58 x10^{-7}
Concrete	1.370	2076	0.880	1826.88	7.50 x10^{-7}
Plaster	0.700	2778	0.840	2333.52	2.99 x10^{-7}
XPS	0.034	22	1.280	28.16	12.1 x10^{-7}
EPS	0.038	18	1.500	27.00	14.0 x10^{-7}

4.3. Measurement System

The K-type thermocouples were used to measure temperatures between each layer surface of the walls and roofs, inside and outside air temperatures. The thermocouples used to measure surface temperatures of wall and roof layers were placed through plastic tubes. The thermocouples were put through the tubes to replace them easily when there were problems. So, effects of the thermocouples from the environmental conditions and tubes properties on temperature profile were minimized. Replacement of the thermocouples through the plastic tubes is shown in Figure 4.6. The plastic tubes having 4 mm inner and 6 mm outer diameters were placed at each surface of the layers. Tips of the tubes were bent parallel to these surfaces to measure the nodal temperatures correctly. The thermocouples were pushed into the plastic tubes until they reached measurement point.

All thermocouples were connected to Iotech 3005 labeled data logger that was connected to the PC to transfer data. The data logger with expansion module was used to collect data for the required nodal temperatures. After connecting the measuring equipments, they were calibrated. Before starting the data transfer, measuring system was checked for each of the nodal points. The measurement was not started until the system run faultless. Since there were many measurement points, three different PC data logger combinations were used to reduce error resulting from the measurements. Inside and outside air temperatures, and temperatures of the required nodal temperatures at the surfaces of the walls and roofs were measured in each minute and saved on the PC.

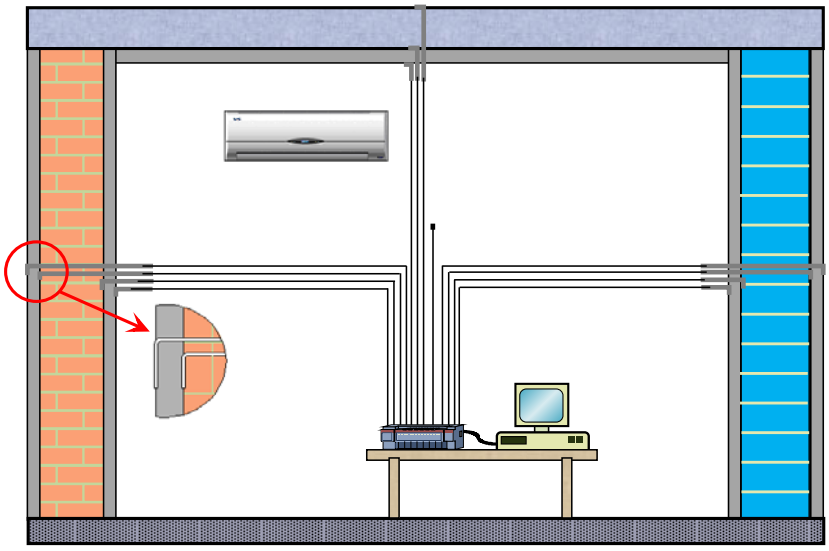

Figure 4.5. Detailed schematic representation of the measurement system

Figure 4.6. Replacement of thermocouple housing plastic tubes

4.3.1 Thermocouple calibration

Constant temperature water bath with an operating range of 10 ^{o}C to 90 ^{o}C was used to calibrate the thermocouples. Water was heated until the set temperature of the thermostat by a heater. A mixer was used to blend the water to obtain uniform temperature. Mercury in glass thermometer having sensitivity of 0.1 ^{o}C and range of 0-100 ^{o}C was used in calibration. For calibration purposes, the temperature range used was 15-75 ^{o}C with temperature increments of 10 ^{o}C. Each of thermocouples connected to Iotech 3005 personal daq immersed in to the water in the bath. Iotech data logger allows the user to select thermocouple types such as T and K type, and to apply a linear correction to each channel mV readings. Firstly, K type thermocouple readings were checked for each channel simultaneously. After water temperature becomes stable, temperature is noted, and then allowed the data logger to receive data for 30 seconds with one second increment. The procedure was repeated for five different set temperature values. Data for 30 temperatures were collected for each set, and averaged and compared to readings of mercury in glass thermometer. Although the averaged temperature readings by data logger shows for each channel ±0.4 ^{o}C deviation from the readings of mercury in glass thermometer, linear curve fit was done for reading by least square method.

$$T=m*T_c+b \quad (4.1)$$

where T is temperature reading of mercury in glass thermometer, T_c is readings stored for K type thermocouples by each channel of Iotech 3005 personal daq. m and b are slope and offset coefficients, respectively. Data from the analysis shows that the linear correction provided an excellent fit to the reference temperature points. Coefficients of linear curve fitting for thermocouples are given Appendix B.

CHAPTER 5

RESULTS AND DISCUSSIONS

5.1. Introduction

In this study, Total Equivalent Temperature Difference (TETD) values of eight different walls and two types of flat roofs with briquette, brick, blokbims, Autoclaved Aerated Concrete (AAC), XPS, EPS, covering and siding walls, and for two types of roofs with and without insulation material for 72 cities in Turkey are computed using measured values. The computations are performed by preparing two computer programs in EXCEL and EES (Engineering Equation Solver). The program in EXCEL is used for calculating hourly mean values of outside air, inside and outside wall and roof surface temperatures measured for each minute, and used for determining hourly mean values of solar radiation and outside air temperatures measured at all cities in Turkey and for last ten years (1997-2007). The solar radiation and hourly outside air temperature values are taken from the Turkish State Meteorological Service to obtain more reliable TETD values. The EES is used to compute hourly solar radiation on the wall surfaces, sol-air temperatures which are function of outside air temperature (T_o), solar radiation on horizontal (I) or tilted surface (I_T), Time lag (TL) and decrement factor (DF) as well as the TETD values for the roofs and walls. Hourly solar radiation on a horizontal surface measured by meteorological stations, combined convection heat transfer coefficient for both of inside and outside wall or roof surfaces, hourly mean outside air temperature calculated by the program in EXCEL and inside design air temperature are input parameters of the program.

This chapter contains four main sections which are related with climatic data used in numerical calculations, comparison of theoretical and experimental values of temperature in the building structures (walls and roofs) and heat gain, experimental TL, DF and TETD values of building walls and flat roofs used in the experimental study, and the comparison of theoretical and experimental results of the TL, DF and TETD values, respectively.

5.2. Climatic Data Used in Numerical Calculations

Heating and cooling systems of a building and their thermal performances are closely associated with design and outdoor conditions. Climatic data is one of the important elements of both heating and cooling requirements and energy consumption calculations in buildings [1]. In order to obtain more representative data primarily for predicting energy consumption of an air conditioner system in summer season, hourly outside air temperatures and solar radiation on horizontal surface are commonly used as a standard reference for calculating the cooling load in air conditioned buildings. Hence, it is necessary to present the design conditions and climatic data. In the theoretical and experimental study, inside design air temperature, combined heat transfer coefficients at the inner and outer surfaces are taken to be 25°C, 9 and 17 $W/m^2 \cdot °C$ [7], respectively. In order to calculate sol-air temperature, a parameter (α_s/h_o) is used. They are recommended in [7] as 0.026, 0.039 and 0.052 for three conditions of light, gray and dark colored surfaces, respectively.

In Section 5.3, a typical day, which is August 7, 2007, is selected for the outside air temperature and solar radiation flux in order to obtain theoretical and experimental values of TL, DF and TETD. But climatic data, such as outside air temperatures and solar radiation, vary from year to year. Long term data for the outside air temperatures and solar radiation values should be used to avoid problems related with changing climatic conditions. Hence, average of the hourly outside air temperatures and solar radiation values measured from the years of 1997 to 2007 are used in the theoretical calculations presented in Section 5.5. Because the average data will provide the reliability of the cooling load calculation due to heat gain. Utilizing the hourly available horizontal surface radiation measurements, hourly solar radiation flux on the wall surface is calculated using isotropic sky model given in [41].

5.3. Theoretical and Experimental Results for the Transient Heat Flow through Building Walls and Flat Roofs

Instantaneous inside room and outside air temperatures, each layer surface temperature of the walls and roofs used in the experimental system are measured in the experimental system. Hourly solar radiation is also measured by Meteorological Station located in Gaziantep. In this section, theoretical and experimental values of hourly temperature and heat gain for some selected walls and roofs are presented. In order to compare theoretical and experimental results for the transient temperature distribution in the multilayer building walls and roofs, and heat flow through the structures, it is necessary to give computational procedure for finding daily variation of temperature in the structures and heat gain. A computer program in FORTRAN based on the theoretical solution of the conduction heat transfer problem presented in the chapter 3 is prepared for the numerical calculations. The solution is used to find heat gain through the walls or flat roofs and also temperature variations in these structures for daily periodic operation. The program uses as input parameters are;

1. Thermophysical properties of the wall or roof materials: Thermophysical properties of the wall and flat roofs used in the present study are given in chapter 3 as a table form. They are not given in this section again.

2. Inside design air temperature, combined convection heat transfer coefficient for both sides of inside and outside air: Values of these parameters are given in Section 5.2.

3. Hourly solar radiation flux on a horizontal surface and outside air temperature: Hourly outside air temperature and solar radiation flux on horizontal surface are used in the numerical calculations for the data measured during August 7, 2007 in Gaziantep, which is shown in Figure 5.1. The data measured during a clear sky day are selected and given in the figure.

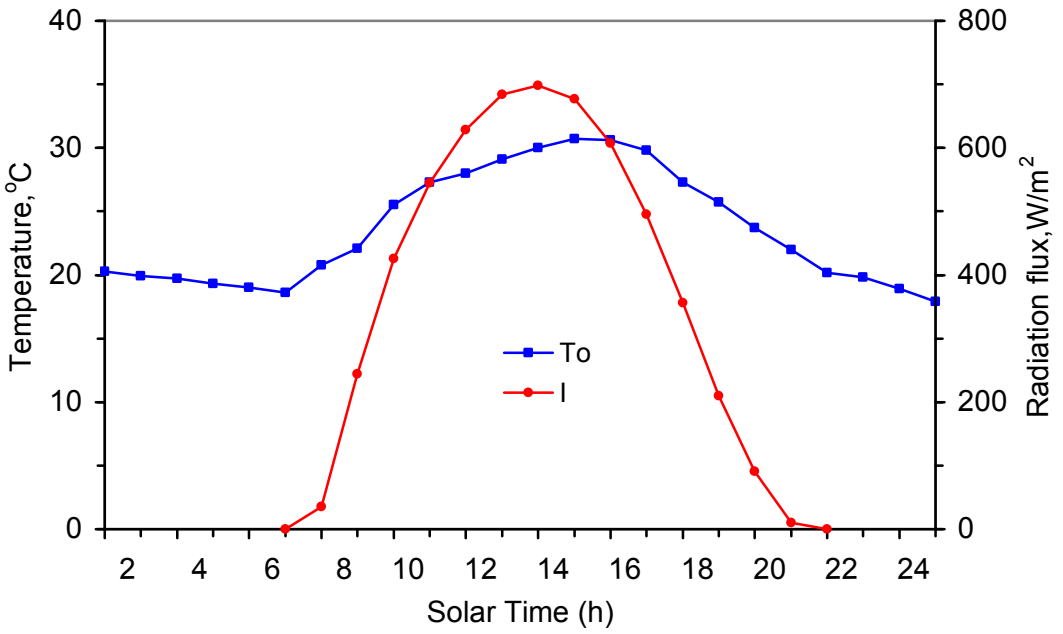

Figure 5.1. Mean hourly values of outside air temperature, and solar radiation on a horizontal surface for August 7, 2007

In this section, theoretical and experimental studies are presented for finding time dependent temperature variation in multilayer building walls and flat roofs and heat flow through the structures, and also for comparing the evaluated temperatures and heat flow with these values obtained by measurement. The measured values for hourly outside air temperatures and nodal temperatures for each layer of flat roof, brick wall, and AAC are presented, and heat gains through the structures are calculated by using the measured temperatures. Hourly temperature values and heat gain for the same structures are computed by using the computer program based on the theoretical model in order to compare with those measured values. The program is also employed to find time dependent temperatures and heat gain for the other walls under the combined effect of a measured outside air temperature and a time varying flux of incident solar radiation at the outer wall surface in this study. All the temperature and heat gain variations are given by figures and discussed in this section.

Figure 5.2 shows the daily variation of measured and theoretical inner and outer surface temperatures and heat flow through a roof structure. The roof has 2 cm plaster at the inside surface of the concrete roof with thickness of 12 cm. The hourly temperature values are the mean values of the surface temperatures measured for each minute. There is a difference between maximum temperatures at the outer and inner surfaces, which indicates the decrement factor (DF), and also

difference in times at which the maximum temperatures occur shows time lag (TL). The DF and TL show important thermal characteristics of a structure, which are related with magnitude of the cooling load due to heat gain. Measured and theoretical values of temperatures are considerably smooth and closer to each other. There are seen temperature differences between 1 ^{o}C and 2 ^{o}C especially for the afternoon hours. There are several reasons of these differences, which are mismatching of convection coefficient, thermophysical properties of the materials used in the roof structure and measurement errors originated from measurement elements. The thermophysical properties of the materials used in the roof structure, which are conduction heat transfer coefficient, density and specific heat, are not measured. The values of the properties may not be the same with the values of real construction. Because, thermal conductivity and heat capacity have strong effects on the structure temperature linked to heat gain [1]. Minor increments in inside surface temperature causes higher increments in heat gain since temperature difference is multiplied by combined heat transfer coefficient.

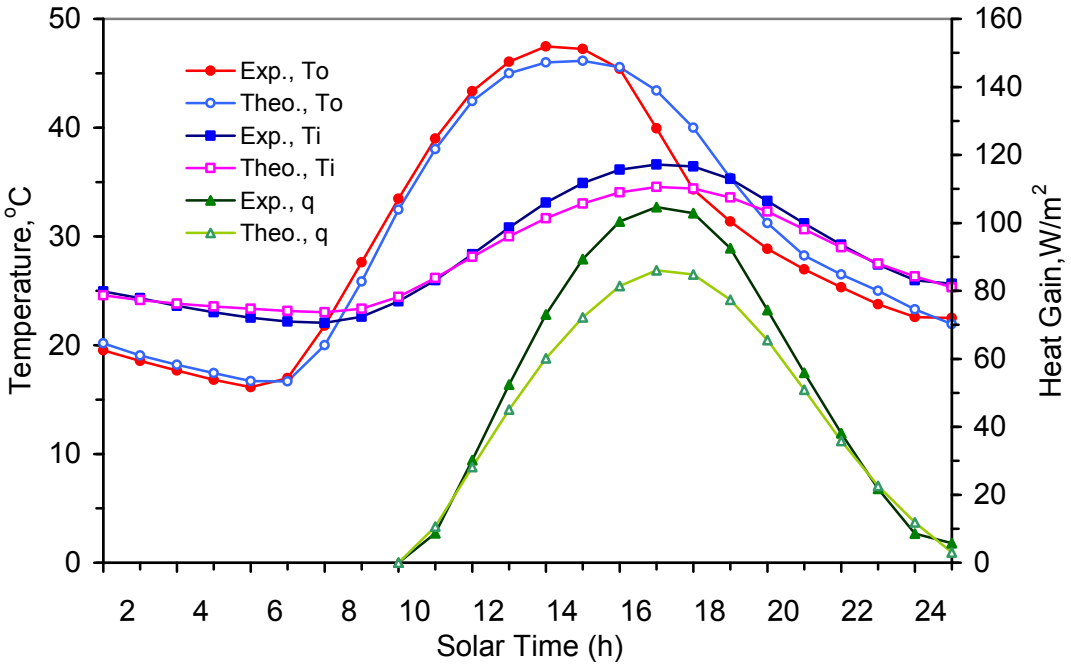

Figure 5.2. Variation of heat gain, and inner and outer surface temperature for Roof construction (12 cm concrete + 2 cm plaster)

It is seen from that Figure especially for hours between 13 and 19 Since temperature differences between theoretical and experimental values are high for these hours. In order to see the effects of the thermophysical properties on the temperatures, Fig. 3 is plotted. Daily variation of hourly mean measured values of

temperature and theoretical temperatures obtained by using the thermophysical properties given in Ozel and Pihtili [32], Sanea [40] and present study for the inside roof surface are seen from the figure. As the thermal conductivity increases, temperatures increase. Daily variation of temperatures obtained from measurements and theoretical study are parallel and close to each other. But thermophysical properties of the materials used in the study change the daily temperature profile, which is understood from the figure. If the thermophysical properties of the materials used in the roof were measured and used in the theoretical analysis, then measured and theoretical results would be equal or closer to each other. It is observed from the results that the theoretical study is verified. Since values of temperatures obtained from the theoretical study are close to the measured values with a finite error. This error causes to uncertainty in heat flux which has been calculated by using an expression given in Ref. [42], and it is obtained as 5.1 percent.

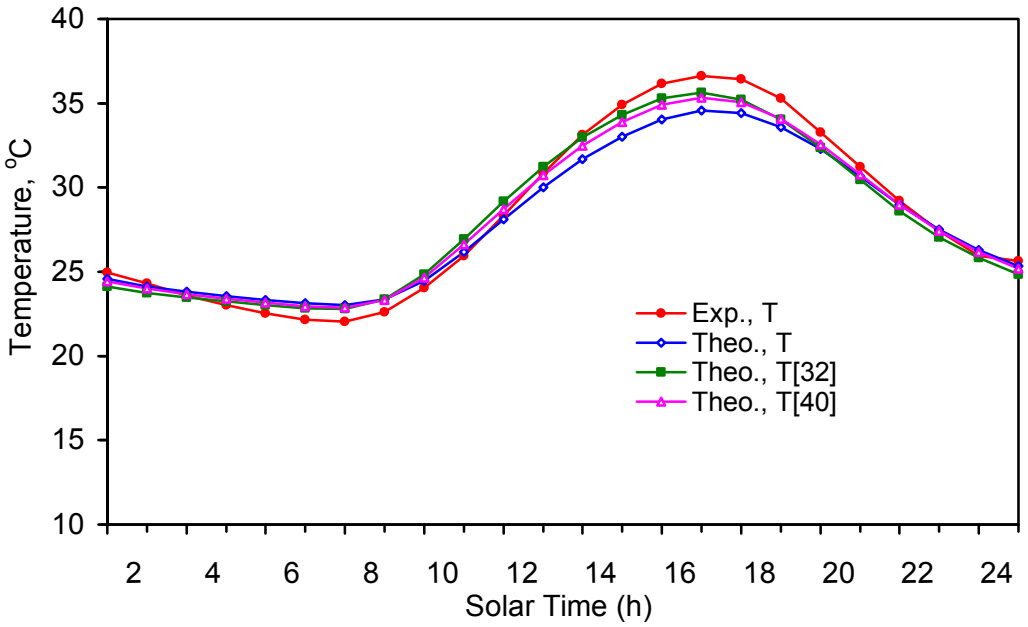

Figure 5.3. Experimental and theoretical inner wall surface temperature variation for Roof construction (12 cm concrete + 2 cm plaster)

In order to compare measured and theoretical values of temperatures and heat gains for typical walls, two South-facing walls are selected for the same day. Measured and theoretical values of hourly heat gains and inner surface temperatures for the walls are given in Figure 5.4 for 24-h period for August 7, 2007. The walls are constructed from AAC, briquette and plaster for both sides of the walls. It is clear that measured values of temperatures at the wall surface are in good agreement with those values obtained from the theoretical model. The close of

theoretical values to the measured values also indicates verification of the theoretical model. It is seen from the figure that inside wall surface temperature, and heat gain over 24-h are near to 25 ^{o}C, and varies between 0 and 8.75 W/m^2 for AAC wall, respectively. But temperature and heat gain fluctuate between 24 and 29 ^{o}C, and 0 and 36 W/m^2 for briquette wall, respectively.

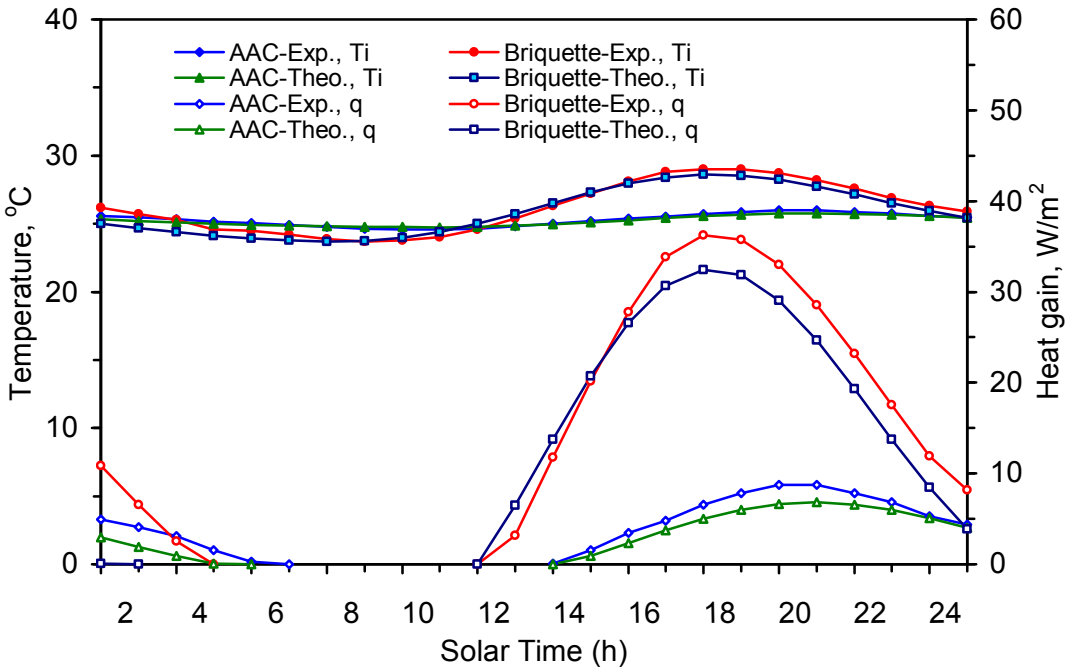

Figure 5.4. Variation of experimental and theoretical values of heat gains, and inner surface temperature distribution for two south facing wall constructions (AAC wall and Briquette wall)

Minimum and maximum heat gain takes place during morning and afternoon hours, respectively. Peak heat gain take places at an hour of 17 for the briquette, and occurs at 19 for the AAC. The timing of peak heat gain for the AAC occurs 2 hours later than that of the briquette wall since thermal conductivity and heat capacity of the AAC are lower than those values of the briquette. It is observed that utilization of the briquette in a wall construction is not suitable because of higher cooling load caused by wall heat gain. As a result of the higher load, it is necessary to use huge heating and cooling system for a space or building according to the wall of AAC construction

It can be seen from Figures 5.2, 5.3 and 5.4 that temperatures obtained from theoretical and experimental studies are in good agreement. Therefore, we can

conclude that the theoretical model is appropriate for finding transient temperature distribution in multilayered flat roofs and walls, and heat flow through the structures.

In order to determine the most suitable building wall material, four types of wall elements which are briquette, brick, blokbims and AAC are selected since they are commonly used in building constructions in Turkey. Briquette, brick and AAC are generally known building wall materials. But, blokbims is not known wall material in building industry. Because, its sand or bims named as “pomza” in Turkey is a type of territory building material. The pomza is placed at Kayseri and Nevşehir, where are the middle Anatolian cities of Turkey. Theoretical model will be used to compare thermal characteristics of four types of wall materials since direction, thickness, and structures are different from each other for the same day in measurements. The computer program is executed by the utilizing of thermophysical properties of the four types of the materials having 20 cm thickness.

Results of daily heat gain and temperature values for the interior surface of the south-facing walls are shown in Figure 5.5. It is seen from this Figure that the largest temperature and daily temperature amplitude, and also heat gain occur for the wall constructed with briquette, which has the highest heat capacity and thermal conductivity. It is observed that heat capacity and thermal conductivity of the materials have significant effect on thermal behavior of the structures. The smallest temperature and amplitude of temperature, and also heat gain occur for the wall constructed with AAC which has the lowest thermal conductivity and heat capacity. It is observed that cooling load due to wall decreases when the wall is constructed with blokbims or AAC. Temperature at the inner surface and heat flow through the wall of blokbims or AAC are lower than those values of brick and briquette. These values for blokbims and AAC are closer to each other. It is seen from the Figure 5.5 that AAC or blokbims are suitable building wall material. Because their utilization leads to lower heat gain as compared to brick or briquette. As a result, the use of walls having lower heat capacity and thermal conductivity leads to stable room temperature or comfortable condition in the room even when outside air temperature is high.

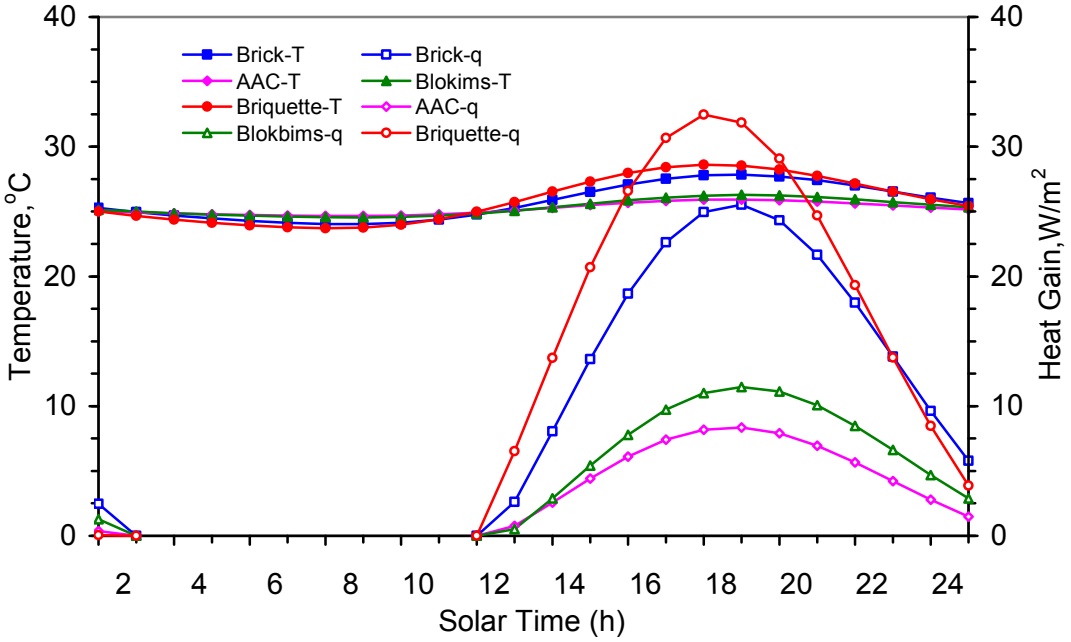

Figure 5.5. Variation of heat gains, and inner surface temperatures for four south-facing wall constructions with 20 cm thickness.

Figure 5.6 is depicted for comparing the highest heat gain with respect to wall thickness for walls of briquette, brick, blokbims and AAC. Time of the highest heat gain occurs in different hours depending on heat storage capabilities and thermophysical properties of the wall material. Heat capacity and thermal conductivity are the dominant properties. The heat gain for each wall and differences in heat gains of the walls decrease as the wall thickness increases. As the highest heat gain occurs for the briquette, the lowest heat gain takes place for the AAC. This figure gives an idea about which one of thickness for the walls constructed with briquette or brick corresponds to the AAC or blokbims. At this time, it indicates that how much wall heat gain is necessary for a wall thickness and each of the structures. It is observed from the figure that heat gain through the blokbims wall with 10 cm thickness corresponds 18 cm of brick and 21 cm of briquette walls. Also, amount of gain through the AAC wall with a thickness of 10 cm will be equal to the same heat gain through blokbims, brick and briquette with thickness of 13 cm, 23 cm and 28 cm, respectively. It is concluded from the figure that blokbims gives approximate results with those of the AAC. This is a very significant result for the blokbims since its material is territory and natural materials or it is not manufactured as the AAC. When it is used in building wall construction in Turkey, it provides stable temperature in the rooms and comfortable condition for the people living in the

buildings. Also, size of air conditioner, initial and operation costs of the conditioner and building construction will be decreased.

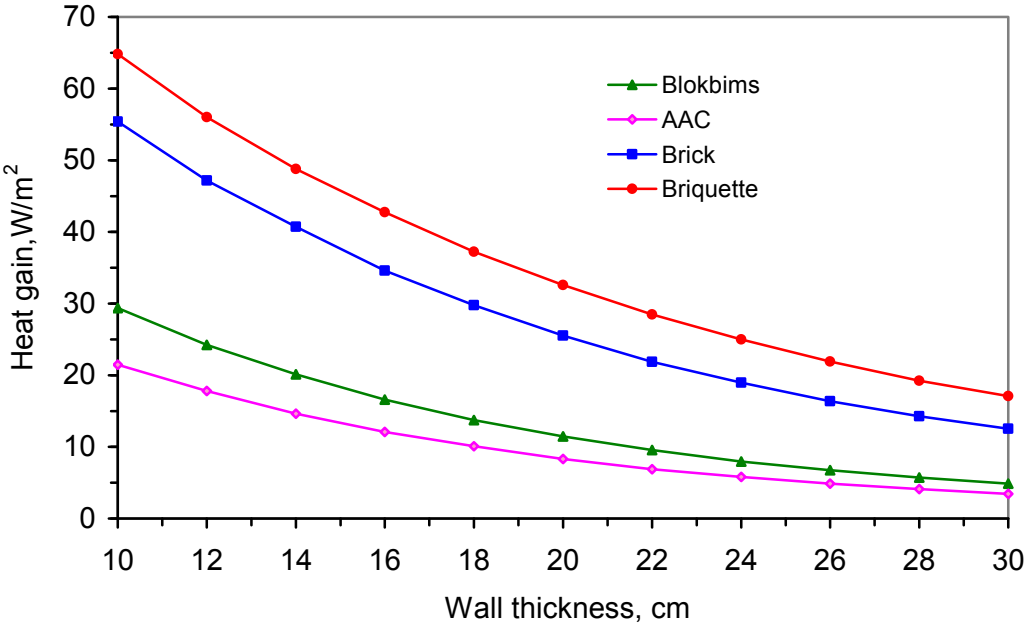

Figure 5.6. Variation of the highest heat gains with thickness for four south-facing wall constructions.

5.4. Theoretical and Experimental Results for TL, DF and TETD

In this section, theoretical and experimental values of time lag (TL), decrement factor (DF) and total equivalent temperature difference (TETD) values for eight types of walls with briquette, brick, blokbims, Autoclaved Aerated Concrete (AAC), XPS, EPS, covering and siding walls, and for two types of roofs with and without insulation material are determined. In order to compare theoretical and experimental results for the TL, DF and TETD for all walls and roofs presented in Figure 4.4, it is necessary to explain background of the theoretical study. That is, computation procedure for evaluating TL, DF and TETD values, thermophysical properties of the wall and roof materials, outside air temperatures and solar radiation flux should be explained. The thermophysical properties of these structures are given in Chapter 3. It is necessary to explain computation procedure in order to find TL, DF and TETD values.

Computer programs in EXCEL, EES, MATHEMATICA and FORTRAN, which are based on the mathematical model presented in the Chapter 3, are prepared. The program in EXCEL is used for calculating hourly mean values of outside air, inside and outside wall and roof surface temperatures, for determining hourly mean values of outside air temperature and solar radiation data measured by the meteorological station located in the city of Gaziantep between years of 1997 and 2007. The program in EES is executed to determine the sol-air temperature that is a function of outside air temperature (T_o), solar radiation on tilted surface (I_T), TL and DF as well as the TETD values for the roofs and walls. The MATHEMATICA and (FORTRAN) are used to find theoretical values of the TL and DF for the structures used in the experimental study. Roots of the Equations of (3.32) and (3.34), which are time periods at which the highest or the lowest temperature occur, are found by the MATHEMATICA. The roots are utilized as input parameters for another computer program in FORTRAN. The FORTRAN program also uses as input parameters of thermophysical properties of the wall and roof materials and climatic data.

Theoretical and experimental values of the TL and DF for all the structures are given in Table 5.1 in sequences from the highest to the lowest values of the DF and from the lowest to the highest values of the TL according to experimental results. Siding wall has the highest DF and the lowest TL values and this is followed

by covering, roof 1, AAC, blokbims, EPS, XPS, brick, briquette and roof 2, respectively. The TL and DF values of the brick wall are 5.1 h and 0.145. These values for a brick wall consisting of 1.25 cm plaster for each side and 22 cm brick are obtained from ref. [4] as of 6.5 h and 0.213, respectively, indicating good agreement. As the TL increases for a wall or roof structure, the DF decreases or vice versa. Different wall and roof materials give different TL and DF, and thickness of the material is very deterministic from the TL and DF point of view [19]. It is understood that thermophysical properties of the materials have profound effect on the TL and DF, which is also emphasized in [20]. The lower TL and the higher DF values give better comfort conditions for people. This in turn gives an idea on how to choose wall and roof materials. The table shows that the theoretical values of the TL and DF are in good agreement with the experimental values. The graph of the theoretical TL follows the trend of experimental TL values but there are small differences in the DF values. The reasons are reading errors, difference in thermophysical properties of the structures between the theoretical and actual values, and variations in climatic conditions. If the thermophysical properties of each material used in the walls and roofs were to be measured, the differences in the DF values could be decreased. It is observed that these differences are in an acceptable range.

Table 5.1. Theoretical and experimental results for the time lag and decrement factor

Roofs or walls	Code	U $\frac{W}{m^{2-o}C}$	Theoretical TL (h)	Experimental TL (h)	Theoretical DF	Experimental DF
Roof	R1	3.945	5.090	5.120	0.027	0.035
Roof	R2	0.551	2.465	2.000	0.428	0.480
Brick	W1	1.990	5.390	5.100	0.143	0.145
AAC	W2	0.641	6.482	6.280	0.044	0.045
Blokbims	W3	0.912	6.481	6.180	0.060	0.065
Sandwich -XPS	W4	0.738	5.568	5.510	0.053	0.073
Briquette	W5	2.250	3.578	4.000	0.241	0.250
Covering	W6	0.722	6.941	7.150	0.019	0.021
Sandwich -EPS	W7	0.8307	6.732	6.280	0.050	0.068
Siding	W8	0.588	7.150	7.320	0.017	0.018

In order to find TETD values for the structures, hourly mean measured values of outside air temperatures and solar radiation flux on horizontal surface, and calculated values of solar radiation flux by using measured values on horizontal surface for the North, South, East and West directions are shown in Figure 5.7 for the city of Gaziantep (37.1°N). The sol-air temperatures in Figure 5.8 are used for determining TETD values of walls and roofs.

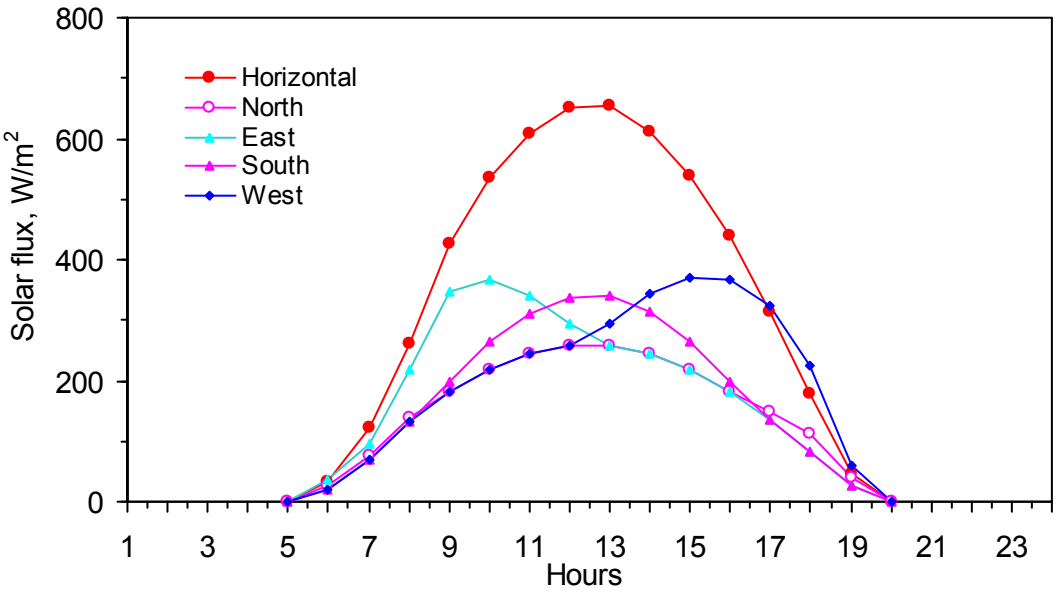

Figure 5.7. Mean values of hourly incident solar radiation flux on horizontal and for four main directions.

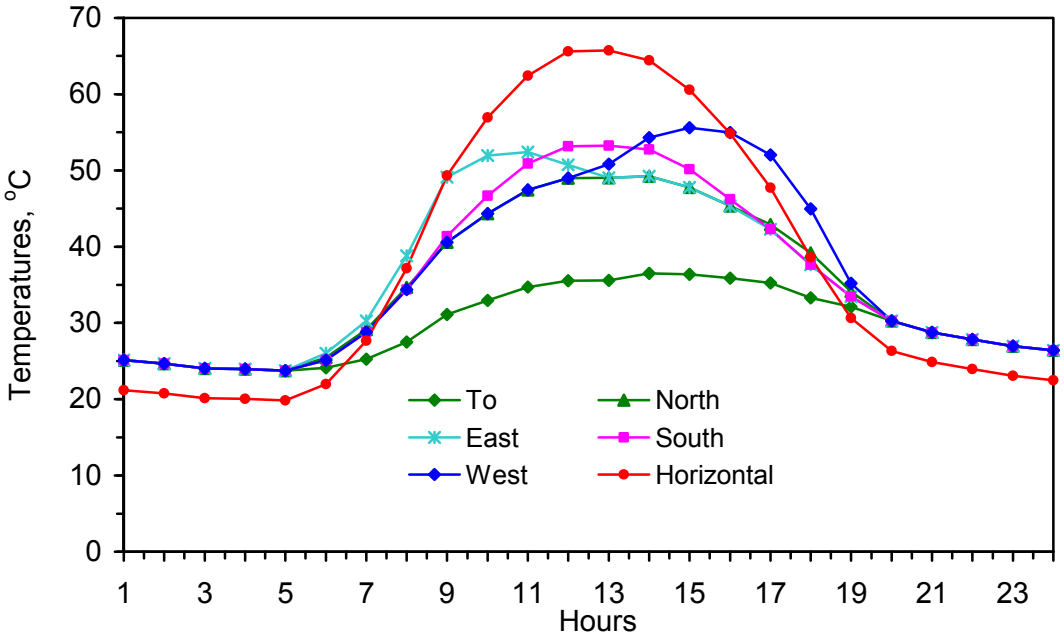

Figure 5.8. Hourly ambient air and sol-air temperatures for dark roof and walls due to four main directions

Figure 5.9 shows daily variation of TETD values obtained from the theoretical and experimental studies for the roofs R1 and R2. The results for the roof R1 are close but there are differences of up to 1.25°C in the TETD values of R2. The differences in thermophysical properties of the materials used in the roof constructions between the theoretical and experimental studies cause these differences. In other words, the properties of the materials in experimental construction may differ from the values used in theoretical calculations. The differences in the TETD values are smaller than those in temperature values between experimental and theoretical studies. This is because differences in temperature values yield smaller differences in the TETD values.

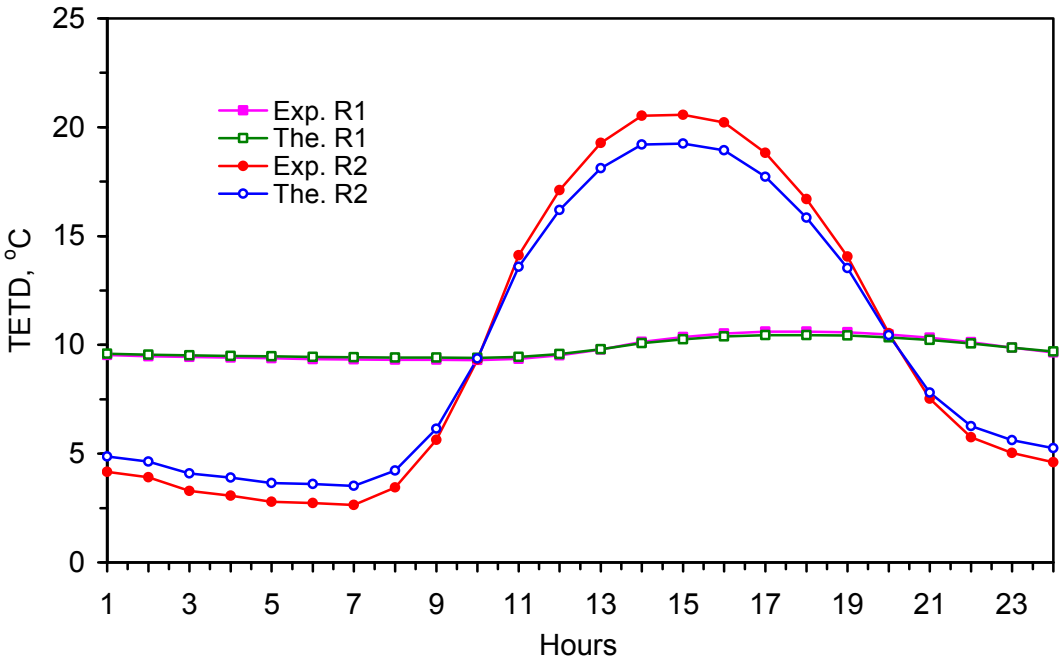

Figure 5.9. Daily variations of theoretical and experimental TETD values of the roofs.

Daily variation of the theoretical and experimental TETD values of briquette wall due to East, West and South directions is shown in Figure 5.10 which is depicted for determining the highest heat gain through the wall. It is known that the higher TETD values give higher heat gain through the structures. The lowest TETD values are obtained at the hour of 9 for all directions but the time when the highest TETD values occur change with the directions. The highest TETD values leading the highest heat gain take place at times 15, 17, 17, and 19 for the East, South, North and West directions, respectively. The lowest daily mean value of TETD is obtained

for the north wall with a value of 8.7°C and the highest mean value of TETD is obtained for the west wall with a value of 9.3°C. At this time, the highest TETD values are obtained as 12.90, 12.92, 11.80 and 13.91°C for the East, South, North and West walls, respectively. The highest heat gain is obtained for the West wall. Effects of solar radiation flux on the west wall and sol-air temperatures are clearly seen in the figure. It is necessary to calculate the cooling load due to heat gain for the West direction, and to minimize wall surface area directed due to West when a building will be constructed.

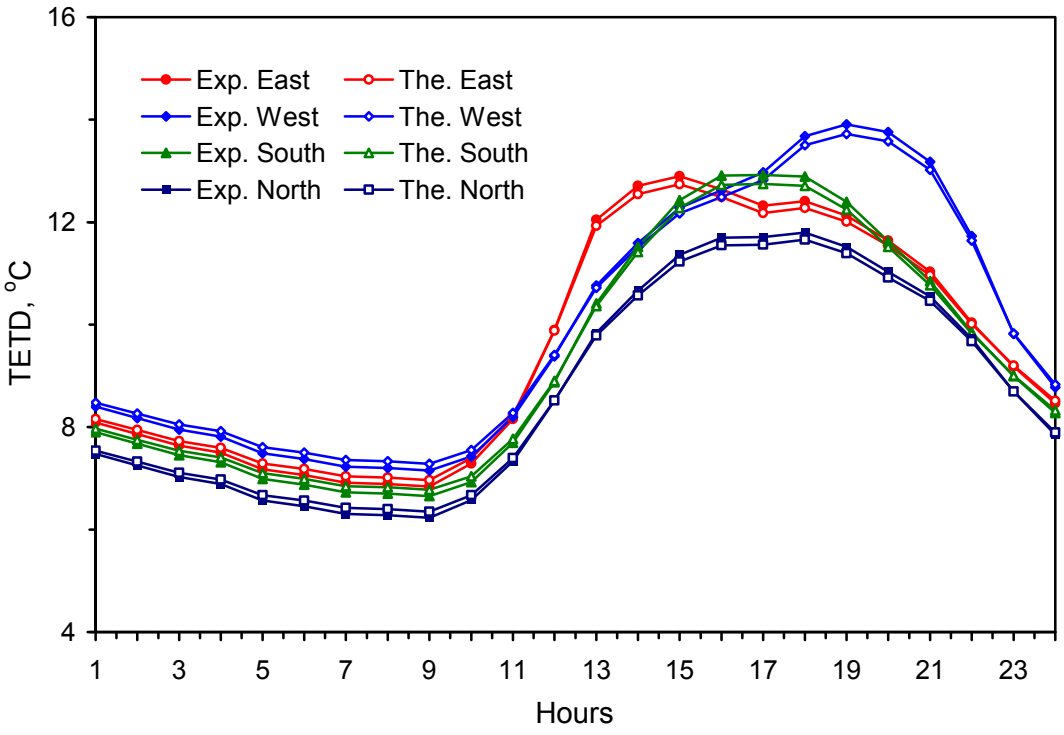

Figure 5.10. Theoretical and experimental values of TETD values of briquette wall due to main directions.

Figure 5.11 shows variation of daily theoretical and experimental TETD values of the walls, which are briquette, brick and AAC. It is seen from the figure that TETD values obtained from the experimental and theoretical studies are very close. The highest daily variation in the TETD values occur for the briquette wall and this is followed by brick, blokbims and AAC, respectively. The highest heat gain is obtained for the briquette and the lowest heat gain through the walls is obtained for the AAC wall. Most of the buildings and houses are constructed with the briquette in Turkey. This is undesirable because of the increased heating and cooling loads. When the cooling load increases, capacity of the air conditioning system increases. As the

capacity increases, energy requirement and operation cost of the system increase. Also, the times of the highest TETD values are not the same for different constructions. This is because their time lags given in Table 5.1 are not the same. The briquette, brick, blokbims and AAC have time lags of 4, 5.1, 6.18 and 6.28 h, respectively.

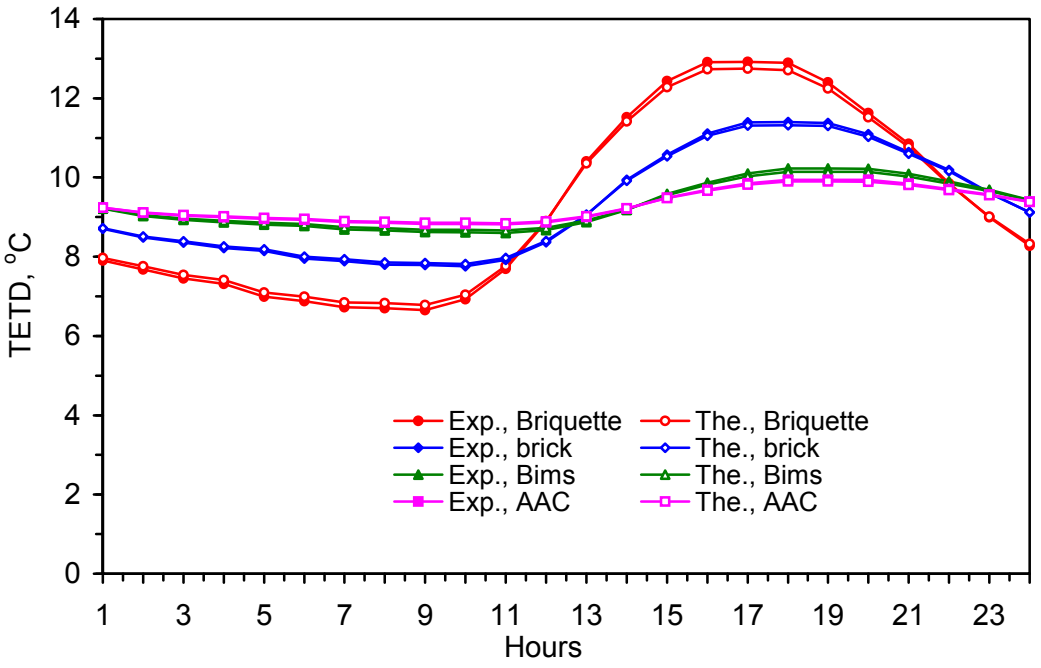

Figure 5.11. Daily variation of experimental TETD values for different walls due to south direction.

Thermal diffusivity is an important thermal parameter and it is a measure of transient heat flow. It is defined as the thermal conductivity divided by the production of specific heat and density. It directly affects diffusion of heat in a material. If thermal diffusivities are taken as reference the blokbims wall gives the lowest TETD or the heat gain values since blokbims have the lowest thermal diffusivity value. In thermal behaviour, thermal capacitance, which is the ability of a material to absorb and store heat for later use, is the more effective parameter. The TETD values of blokbims and AAC are close. Blokbims are produced from local natural volcanic materials in Kayseri and Nevşehir cities located in central Anatolian region of Turkey. It is considered that formation of blokbims material is similar to the industrial production of the AAC. The cost of blokbims is lower than AAC. Because of its favourable thermal behavior, using blokbims in building constructions allow the use of smaller capacity air conditioning units.

Figure 5.12 is depicted for examining effect of surface absorbtivity on the outer surface temperature of a wall which is south-faced brick wall named as W1. Surface absorbtance coefficient is theoretically varied from 0 to 1. The outside surface temperature increases with the absorbtivity. The temperature variation of external surface with α =0 is lower compared to the ambient air temperature variation, since the forced room temperature is 25°C. Although ambient air temperature decreases under 25°C, external surface temperature does not decrease under indoor design temperature due to thermal inertia of the wall and forced constant room temperature. Another important point to be known is the time at which external surface temperature occurs. Maximum temperature values and time at which maximum temperature occurs for the wall are given in Table 5.2. If both Figure 5.12 and Table 5.2 are considered, higher maximum temperatures and corresponding earlier time shows the effect of solar radiation on external surface temperature becoming more dominant than ambient air temperature as surface absorbtivity increase. It is observed from the figure that outside surface absorbtivity has profound effect on the surface temperature of the walls and roofs, which increase or decrease heat gain through the structures. It indicates that plaster having lower or higher absorbtivity should be used for cooling season or heating season, respectively. For the structures used for both seasons, it should be optimized in energy consumption during cooling and heating season point of view.

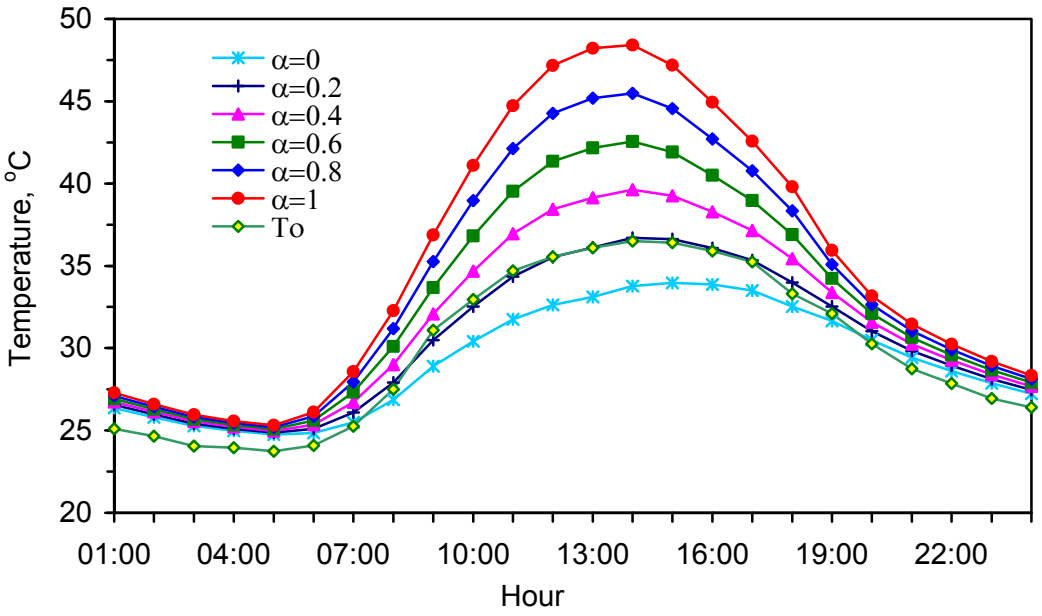

Figure 5.12. Daily outside surface temperature variation of brick wall due to South for different outdoor absorption coefficient

Table 5.2. Maximum temperature values and time occurred

Absorbtance (α_s)	Time (Hour)	Maximum Temperature (^oC)
0	15:10	33,98
0.1	14:45	35,27
0.2	14:23	36,63
0.3	14:05	38,03
0.4	13:51	39,47
0.5	13:42	40,93
0.6	13:34	42,40
0.7	13:28	43,88
0.8	13:24	45,37
0.9	13:21	46,86
1	13:18	48,36

External wall surfaces of a building are heated during the day because of higher ambient air temperature and solar radiation on it. However, the wall external surface temperature decreases during night. That is, the wall is cooled due to heat loss to the outside air by convection and radiant loss to the sky. This natural cooling leads to an average temperature at indoor and outdoor wall surfaces. In Figure 5.13, variation of external and internal surface temperature of the brick wall W1 due to south with surface absorptivity is given. The average temperatures on both surfaces attain higher values as solar absorptivity increase. Minimum and maximum average surface temperatures appear for α=0 and α=1, respectively. Slope of the internal and external surface temperature are not the same with each other. The slope for the internal surface is lower than the external surface. This indicates that effects of the external surface temperature decreases with the distance from the external surface to internal surface. Thermophysical properties of the structures or thermal inertia absorb the effect of the temperature, which decrease heat loss or heat gain through these structures.

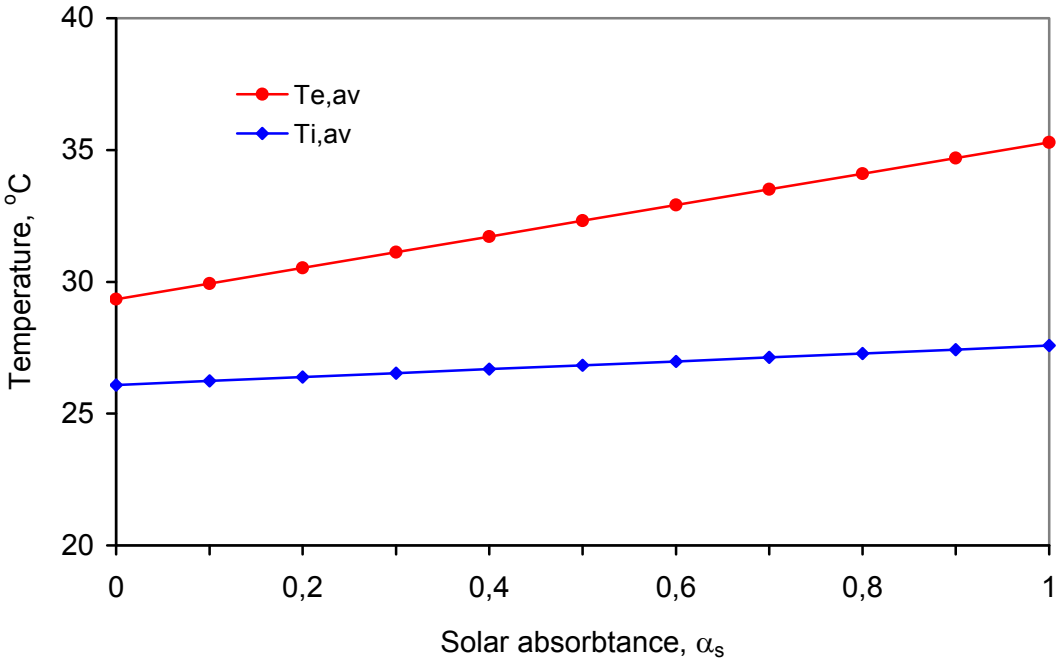

Figure 5.13. Variation of average temperatures of internal and external surfaces with surface absorbtivity

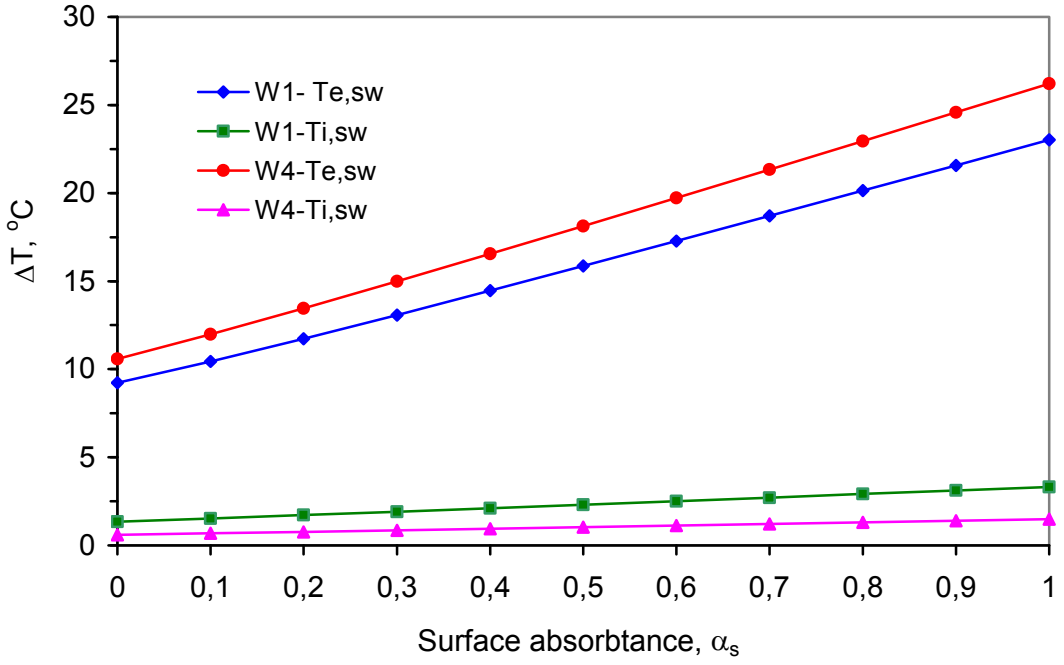

Figure 5.14. Variation of internal and external swing temperatures for walls of W1 and W4 with surface absorbtivity

The difference between the minimum and maximum temperature of outer and inner surfaces can be named as outer and inner temperature swing [15]. These temperature swings affects the interior comfort level and decrement factor. Variation of inner and outer temperature swings are given in Figure 5.14 for the brick wall W1 and the Sandwich-XPS wall W4. Both external and internal temperature swings are almost linearly increased with surface absorbtivity for both walls. Increase in external temperature swings is higher than increase in internal temperature swings. Thus, decrement factor is hoped to decrease with increase in solar absorbtivity and decrement factors for W4 wall has to be lower than W1 wall. Variation of decrement factor and time lag for both walls with surface absorbtivity is given in Figure 5.15 and Figure 5.16, respectively. Decrement factor decrease after α=0.2 for the brick wall W1 while it begins to decrease α=0.1 for the W4 (XPS) wall. Lower external temperature swings leads to increase in decrement factor. If trend of decrement factor given for W1 and variation of external surface temperature for α=0.2 given in Figure 5.12 are compared, it is seen that decrement factor begins to decrease after solar radiation becomes dominant. In Figure 5.12 external surface temperature variation given for α=0.2 is almost the same with ambient air temperature variation. Insulation material existing in wall W4 has decrement factor begun to decrease at α=0.1 (lower than that of W1). Insulation blockages the heats flux through wall so that temperature increase on outer surface of the wall with insulation is more rapidly and higher than the wall without insulation. Although, external temperature swing of the wall with insulation is higher than the wall without insulation, internal temperature swing of the wall with insulation is lower. Trends of the variation of TL for both walls are similar. For brick wall, TL increases until α=0.7 then it is almost constant. For W4 wall TL increases until α=0.6 then it slightly decreases. As a result, the optimum value of surface absorptivity for W1 and W4, leads to the maximum time lag, is 0.7 and 0.6 respectively.

It is known that insulating material has positive effect on temperature variation in the walls or roofs, TL, DF and TETD. They determine the amount of heat gain and loss through the building structures. Position of the insulating material in the wall is also important [17, 32] from the point of increasing or decreasing the heat gain and loss. In order to investigate the effect of the position on the temperature variation in the wall, TL and DF, two figures will be depicted. For that reason, Figure 5.18 is drawn for illustrating the physical position of the insulating material which is located in the wall at any distance of x from the wall surface. The effect of insulation position in a wall on DF and TL is represented in Figure 5.18.

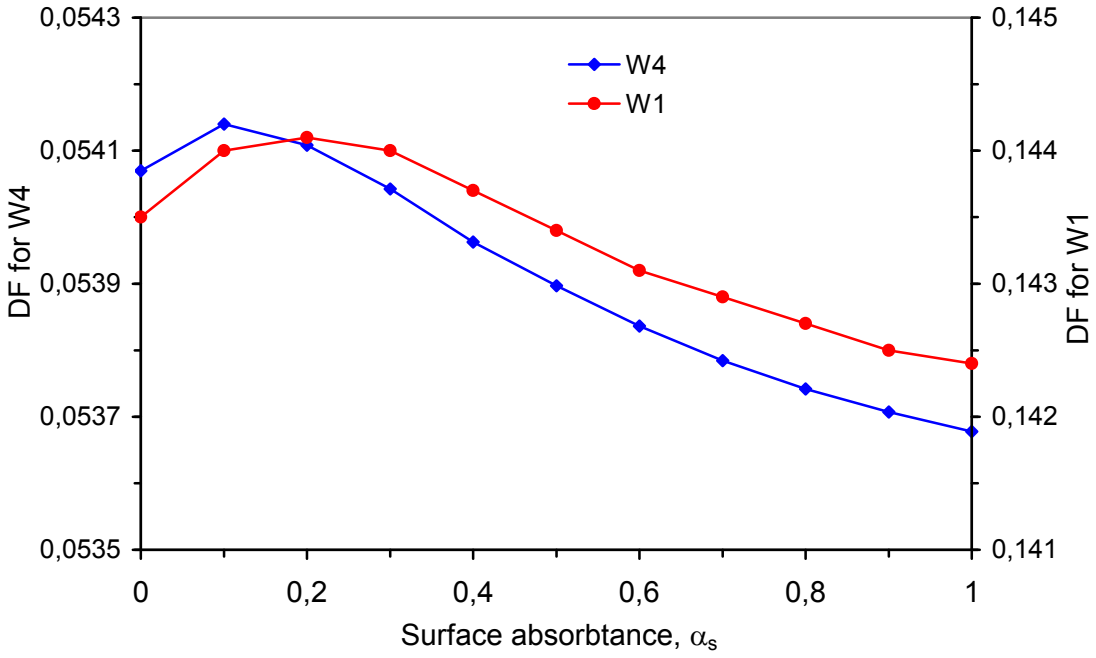

Figure 5.15. Variation of decrement factor with surface absorbtance

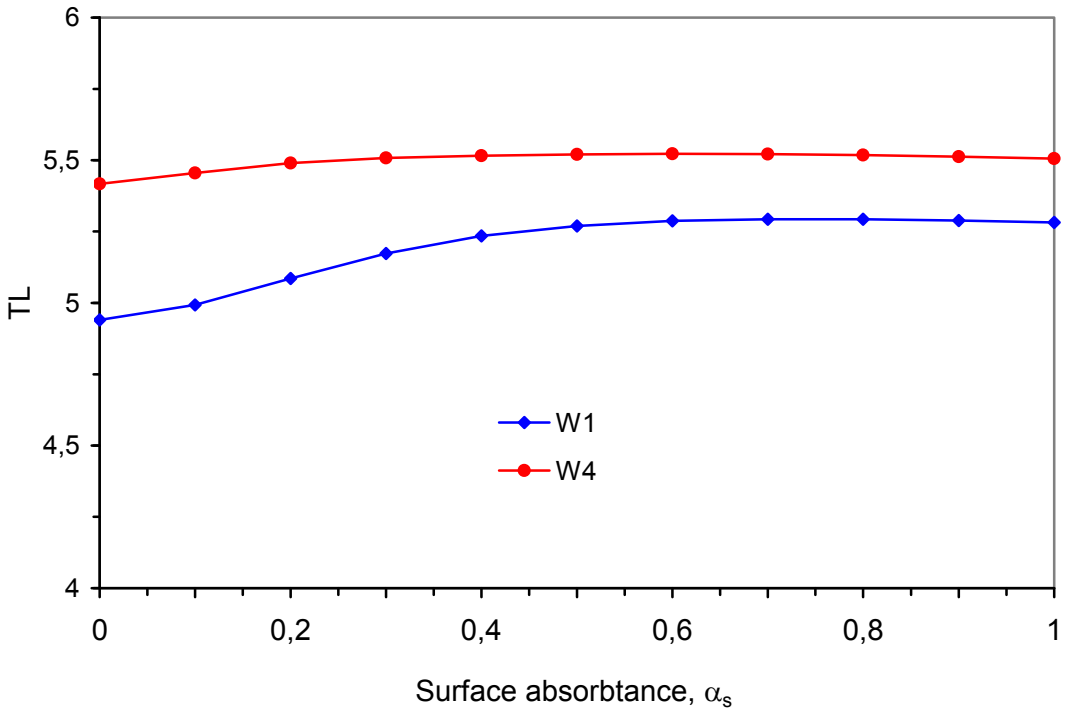

Figure 5.16. Variation of time lag with solar absorbtance

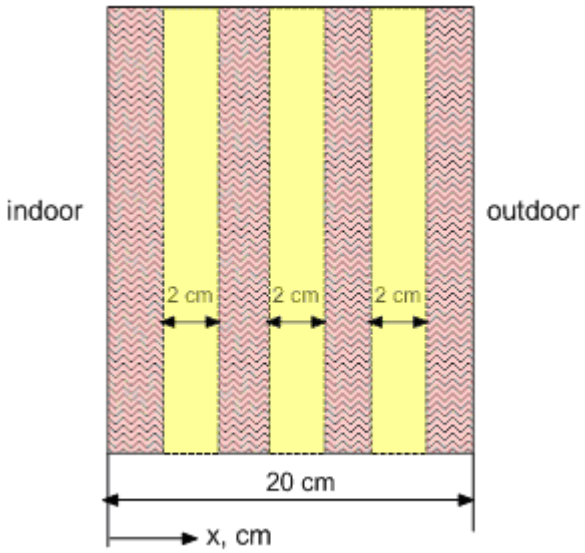

Figure 5.17: Schematic representation of replacement of insulation layer

This investigation was made theoretically. 2 cm XPS insulation were replaced at inner surface of the 18 cm brick and moved towards outer surface by 2 cm increment, Figure 5.17. To understand variation of DF with insulation position, both Figure 5.18 and Figure 5.19 have to be considered. Inner surface temperature swing of the wall increase in higher rate than outer surface temperature swing until the insulation position of x=6 cm, this leads to increase in decrement factor as given in Figure 5.18. After x = 6 cm, outer surface temperature swing increases with insulation position after x=6 cm. Whereas, Inner surface temperature swing begins to decrease. As a result decrement factor of the wall sharply decreases after x=6 cm. Outer and inner surface temperature swings are shown to be maximum and minimum, respectively, when the insulation is placed on the outer surface of the wall. So that minimum decrement factor wall is obtained. Since thermal mass thickness decreases near outer surface as insulation comes closer to outer surface, cooling of outer surface cannot occur as fast as that of previous insulation position.

TL is nearly constant when the insulation is placed between x=6 and x=12 cm. When the insulation is located between x=0 and x=6 cm, TL value increases until the location of x=6 cm. If the insulation is moved from x=6 cm to x=18 cm, TL values increase. Minimum TL occurs when the insulation layer is placed to inside surface of the wall. Maximum TL value is obtained when insulation layer is placed to outer surface of the wall.

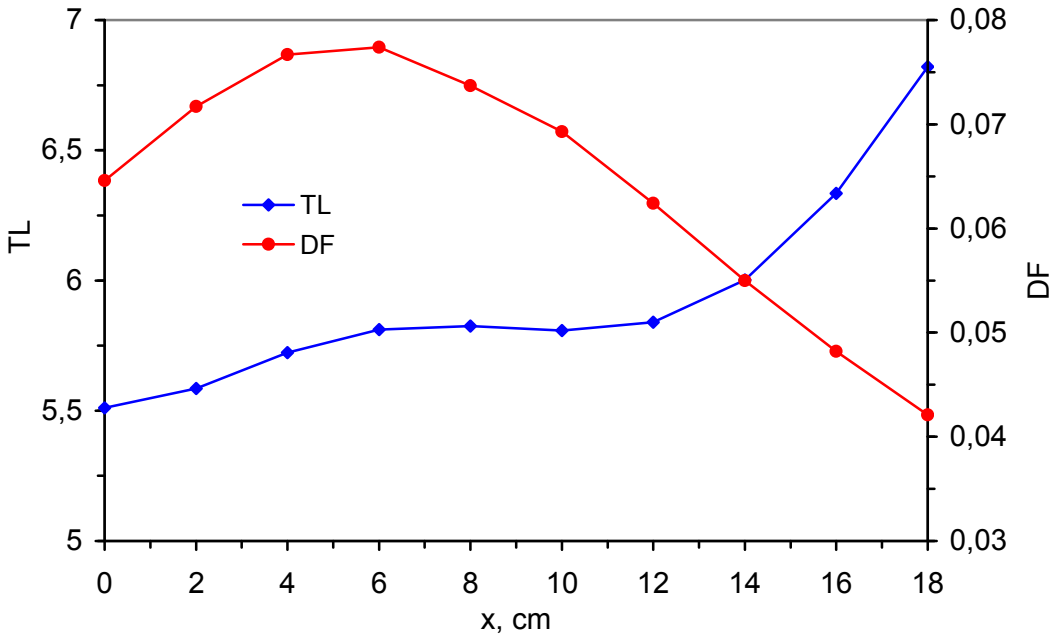

Figure 5.18. Variation of TL and DF with position of insulation layer

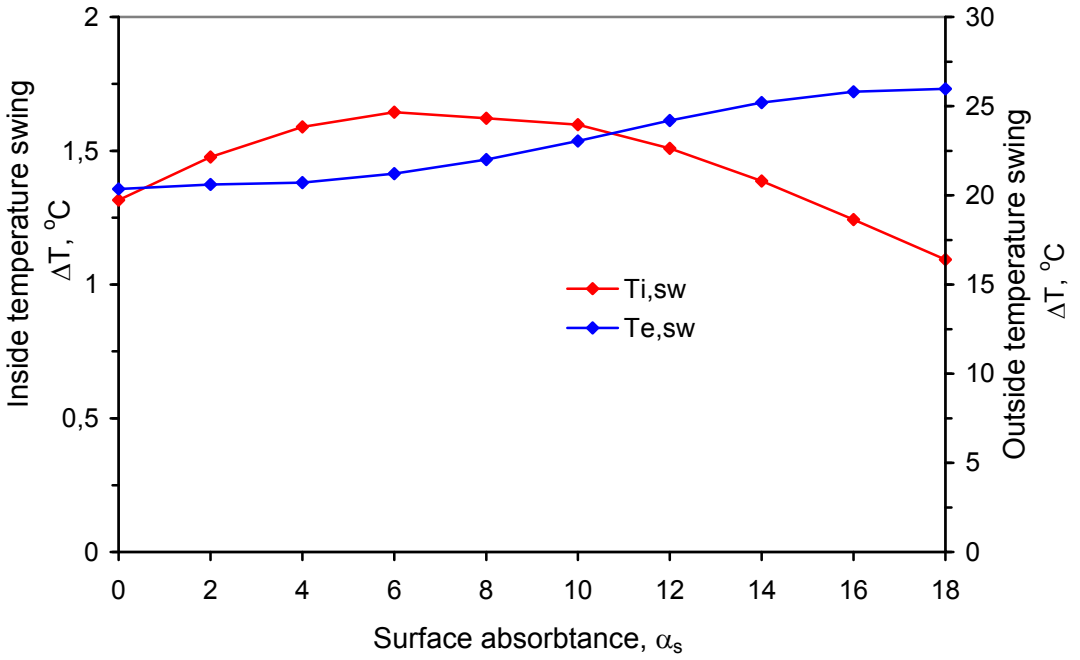

Figure 5.19: Variation of internal and external surface temperature swing with position of insulation layer

Variations of DF and TL with direction of the W1 and W4 are given in Figure 5.20 and Figure 5.21 respectively. Decrement factors of W4 for each direction are lower than for W1 wall. But TL values are so close to each other. Variation of DF ad TL by direction for both wall shows similar trend. Maximum TL value is obtained when the wall is faced to east. Minimum TL value is obtained when wall faced to

west. Times at which maximum outer surface temperature occurs are 10:00 am, 14:24 pm,13:10 pm and 15:48 pm for east, north, south and west direction, respectively. Minimum DF values are obtained for both walls for east direction. This is related temperature swings of inner and outer surface as previously defined.

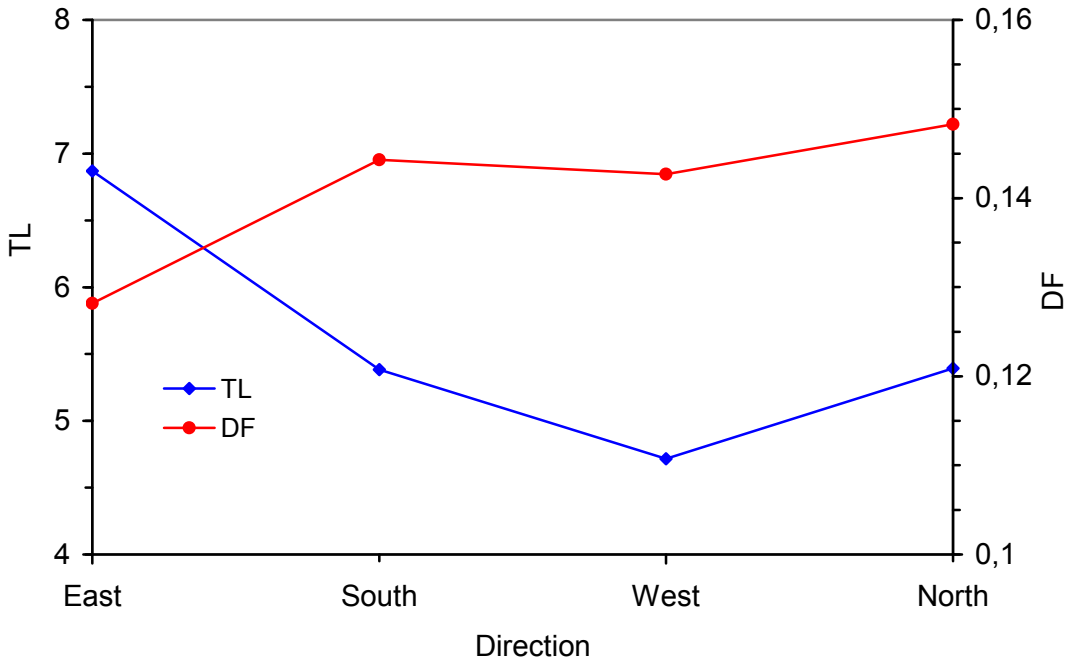

Figure 5.20. Variation of TL and DF with directions for wall W1

Density of a material has significant effect on the propagation of the heat through the material. Since thermal diffusivity and heat capacity of the material are functions of the density. The thermal diffusivity is related to speed of the heat diffusion, and heat capacity is related with the storage of energy in the material. Both of the properties have important effects on the variation of temperature in the material, TL and DF. Figure 5.22 is depicted for investigating variation of DF and TL with different density of brick wall-W1. Thermal conductivity and specific heat are kept constant during analysis. Density of the brick is varied from 700 kg/m^3 to 1900 kg/m^3 by 300 kg/m^3 increment. TL values increases with an increase in density almost linearly and DF values decreases almost linearly as well. The higher density means the higher thermal inertia of the wall. Thermal inertia causes TL values to increase. For constant thermal conductivity values increase in density decrease the thermal diffusivity since heat capacity increases. Decrease in thermal diffusivity causes DF value to decrease.

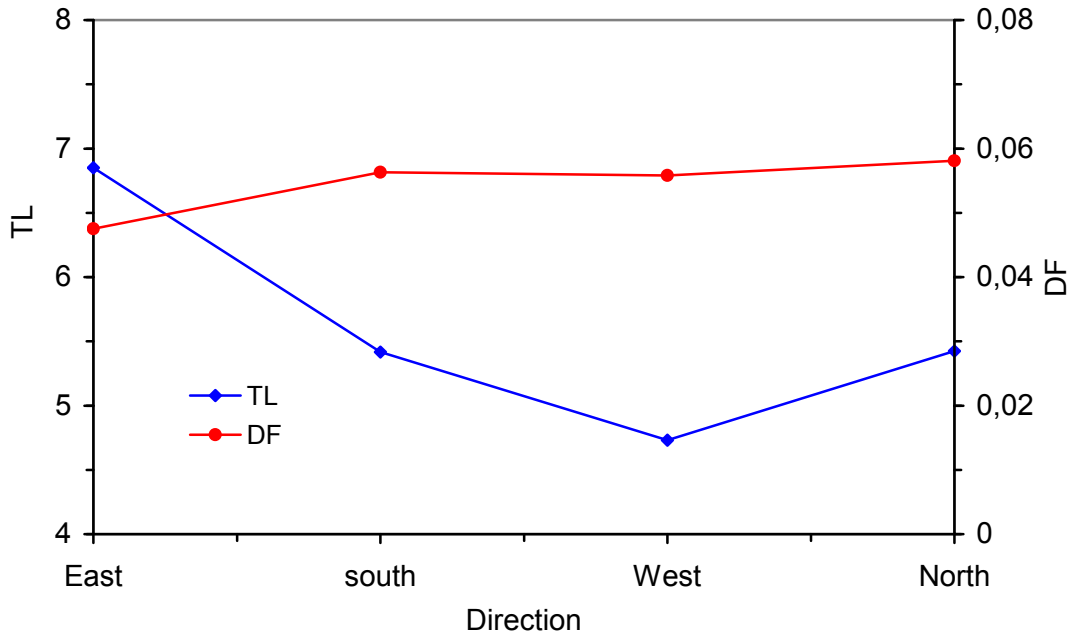

Figure 5.21. Variation of TL and DF with directions for wall W4

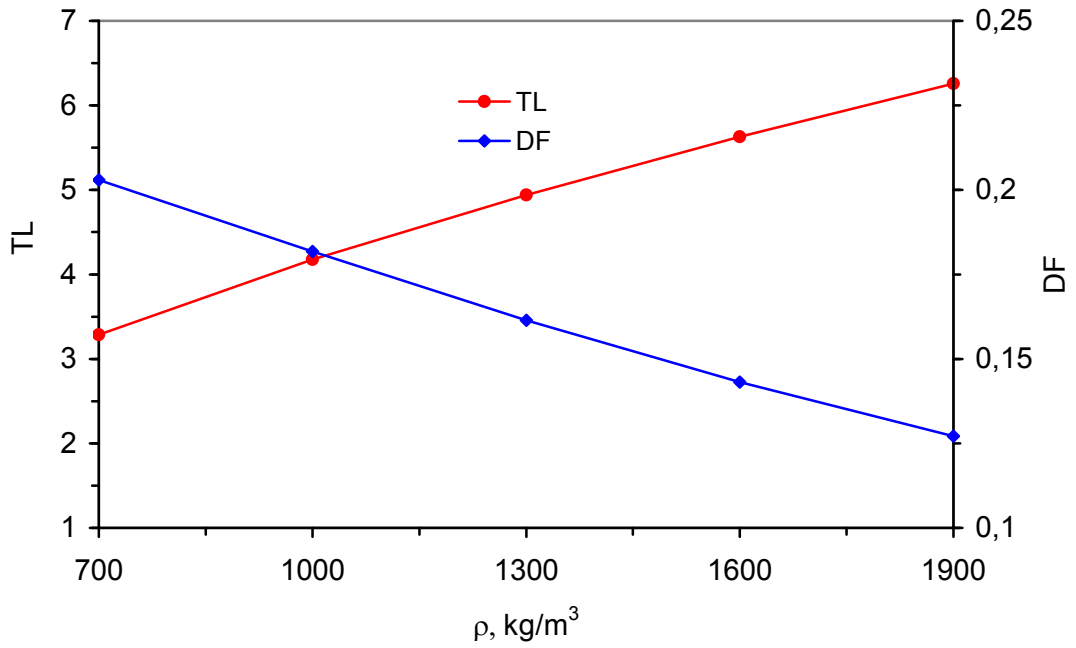

Figure 5.22. Variation of TL and DF values with density

5.5. Experimental Results for TETD of Building Walls and Flat Roofs

In order to find TETD values depending essentially on time lag (TL), decrement factor (DF) and sol-air temperature, two computer programs are prepared in EXCEL and EES (Engineering Equation Solver) to carry out numerical calculations using measured values. The program in EXCEL is used for calculating hourly mean values of outside air, inside and outside wall and roof surface temperatures measured for each minute, and used for determining hourly mean values of solar radiation and outside air temperatures measured at all cities in Turkey and for the last 10 years (1997-2007). The EES is used to compute hourly solar radiation on the wall surfaces, sol-air temperatures, TL and DF as well as the TETD values for the roofs and walls given in Figure 4.4. The program uses as input parameters which are hourly solar radiation on a horizontal surface measured by meteorological stations, combined convection heat transfer coefficient for both of inside and outside wall or roof surfaces, hourly mean outside air temperature calculated by the program in EXCEL and inside design air temperature. The inside design air temperature, and absorptance of the outside wall surfaces are taken to be 25°C, and 0.44 and 0.88 for the light and dark surfaces [7], respectively. The combined heat transfer coefficients at the inner and outer surfaces are taken to be 9 and 17 $W/m^2 \cdot °C$, respectively. Data for the solar radiation on a horizontal surface and hourly outside air temperatures, which are measured from 1997 to 2007, are taken from the Turkish State Meteorological Service to obtain more reliable TETD values of the walls and roofs for 72 cities in Turkey. Utilizing the mean values of hourly measured horizontal surface radiation, hourly solar radiation flux on the wall surface is calculated by using isotropic sky model given in ref. [7].

The mean values of hourly measured solar radiation on horizontal surface and incident solar radiation on the walls with dark surfaces for main directions are given in Figure 5.7 for the city of Gaziantep. It is understood from the figure that values of solar radiation flux for all surfaces are seen as symmetric, but they are not exactly symmetric. This is especially seen for the East and West directions. Daily solar radiations for all surfaces are given on tables as symmetrical values in ASHRAE [7], in which clear-sky model is used to calculate solar radiation on tilted surfaces. Measured hourly radiation values for Gaziantep (37.1^oN) are not symmetric in this study, which are in good agreement with the values measured and presented in Mefti [37]. It is observed that diffuse radiation values for the West

direction are higher than those for East direction. There are small differences in measured radiation values. For these reasons, tilted radiations on the surfaces are not symmetrical, and this affects variation of sol-air temperatures. Mean values of hourly outside air temperatures and variations of sol-air temperatures for the wall surfaces for four main directions and the roof are indicated in Figure 5.8. The sol-air temperatures reach the highest values for the horizontal surface, and sol-air temperatures for the west wall are higher than those for the east. The higher values of outside air temperatures and solar radiation during afternoon hours yield higher values of sol air temperatures.

Figures 5.23 and 5.24 show daily variations of TETD values of roofs R1, R2 and brick wall, respectively. Figure 5.23 is depicted for comparing TETD values of the light and dark colored roofs with and without XPS (insulation material) which are named as R1 and R2, respectively. Absorptivity of surfaces and thermophysical properties have profound effect on the TETD values. Temperature difference between TETD values of light and dark roof is about 6°C. Since the roof R1 has high thermal resistance there are low oscillations of the TETD. R2 gives high oscillations for the daily TETD values because its thermal resistance is considerably low. That is, amplitude of the TETD values for R2 is fairly higher than the amplitude of the R1.

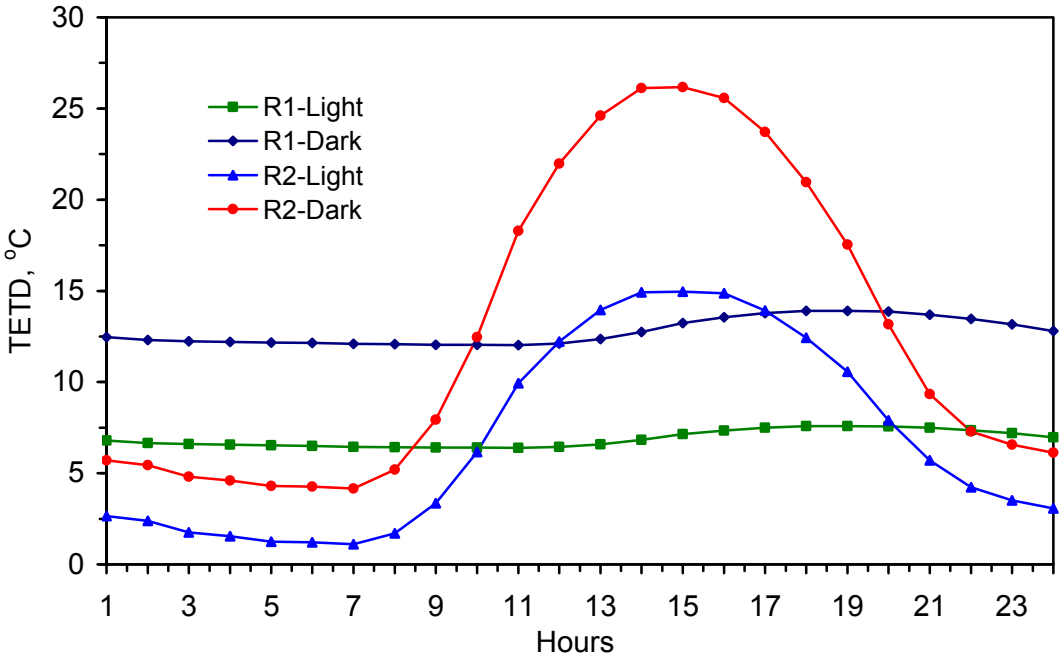

Figure 5.23. Daily variation of TETD values of the roofs

TL and DF are very important parameters which effect the oscillations in daily TETD values. The amplitude of daily TETD values is functions of both the TL and DF but the DF is dominant for the amplitude in TETD [1]. The TL and DF obtained from measurements for all structures in the rooms are given in Table 1. The TL varies inversely with the DF. The TL for the R1 and R2 are equal to 5.12 and 2.0 hours, and the DF's for the same roofs are obtained as 0.035 and 0.480, respectively. The DF value of 0.035 for the R1 is very low, verifying the oscillation. The TETD values of R1 reach the lowest and the highest values between the hours of 10 and 11, and 18 and 19, respectively. The lowest and highest TETD values for R2 occur at about the hour of 6 and 15, respectively. The shifts in hours are indication of effects of thermal resistance for the roofs R1 and R2. High TETD values of the R2 indicate high level of heat gain and uncomfortable conditions. The R2 roof is commonly used in houses with one floor in Turkey, and it is a thermally poor construction.

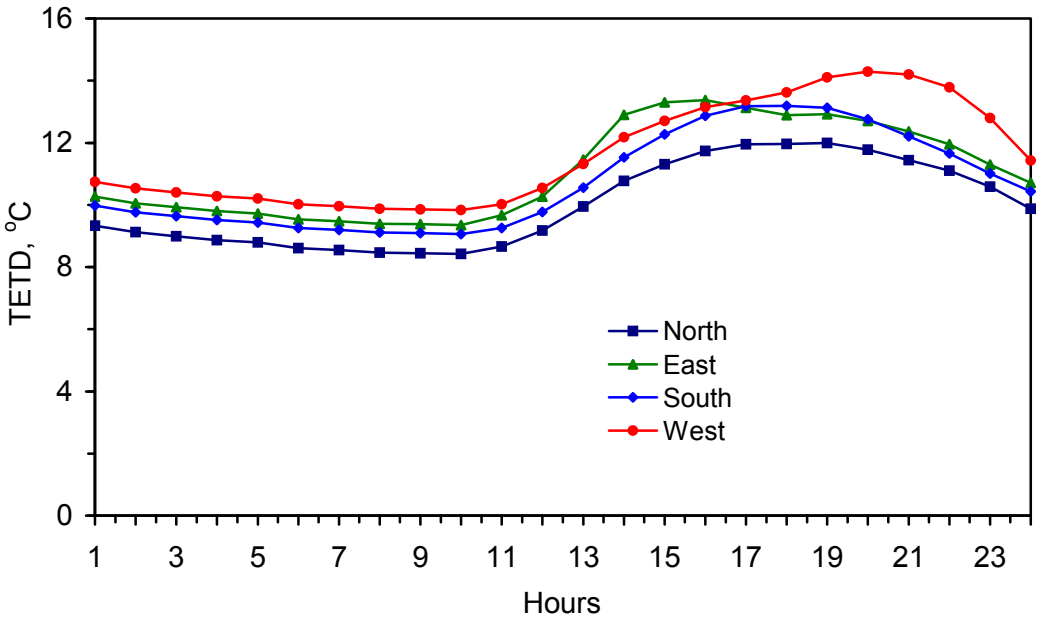

Figure 5.24. Daily variation of TETD values for dark colored brick wall-W1

Figure 5.24 is depicted for comparing variations in TETD values of brick wall (W1) with directions. Amplitude of the TETD values of W1 for all directions is lower than that of the R2. The higher TETD values give higher heat gain through the structures. The lowest and highest TETD values are obtained around noon time and after the hour of 16, respectively. While the lowest daily mean value of TETD is obtained for the north wall, the highest mean value of TETD is obtained for the west

wall at the hour of 21. Effect of solar radiation flux on the west wall and sol-air temperatures are clearly seen in Figure 5.24 Reason of the highest TETD values occurring in later hours is due to TL whose value is 5.10 h.

Daily variations of TETD values of the walls used in the test rooms are shown in Figure 5.25. Briquette wall has the highest amplitude of the TETD value and this is followed by brick, blokbims, AAC, XPS, EPS, covering and siding, respectively. The amplitudes for the covering and siding walls are very small, which indicate that daily variation of heat gain through these walls are close to each other. Daily average values of TETD and consequently heat gains are the same for both walls. Calculation of cooling load due to heat gain is based on the highest TETD values of the walls shown in Figure 5.26. Capacity of the air conditioning system is going to be selected increases when the cooling load increases. As the capacity increases energy requirement and operation cost of the system will increase. It is desired to use the minimum capacity provided that comfort conditions are satisfied.

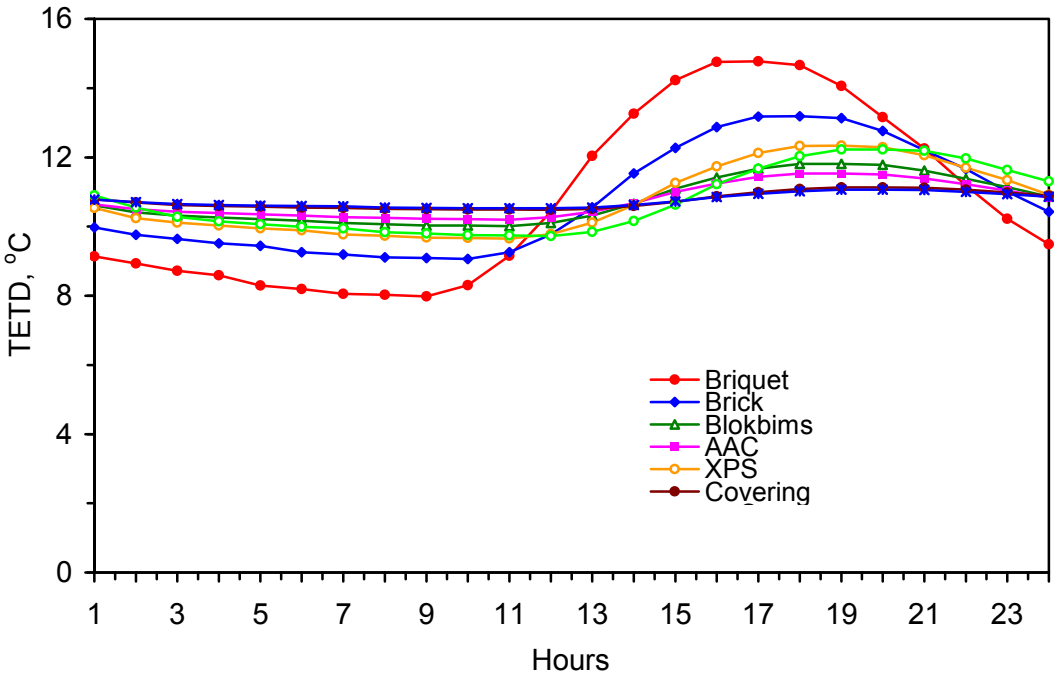

Figure 5.25. Daily variation of TETD values of dark walls due to south

The sequences from the highest to the lowest TETD values can be seen in Figure 5.26. The highest TETD values for the walls are given for selected cities including Adana, Antalya, Diyarbakir, Izmir, and Gaziantep. An observation of Figures 5.26 and 5.27 shows that TETD values for Gaziantep are lower than those

for other cities. Diyarbakır is a very hot region during summer season. Solar radiation values on horizontal surface in Diyarbakır are close to those in İzmir. On the other hand outside air temperatures in Diyarbakır are higher than those in İzmir. This shows that outside air temperature has a more significant effect on the TETD values than the solar radiation flux. It is observed in Figures 5.25 to 5.27 that briquette and brick walls involve high heat gain values. It is possible to understand the reason of this from Figure 5.27, which shows variations of TETD values of briquette for different cities.

The highest TETD occurs between the hour of 16 and 18 depending on the values of TL. The TETD values or the amplitudes for the blokbims wall are close to those of AAC. This indicates that the thermophysical properties of the blokbims and AAC are also close to each other. The blokbims are produced from natural volcanic materials, which are located at Kayseri and Nevşehir regions at the middle Anatolian region of Turkey. It is considered that formation of blokbims material is similar to the industrial production of the AAC. The cost of blokbims is lower than AAC because of natural existence of its material in Turkey

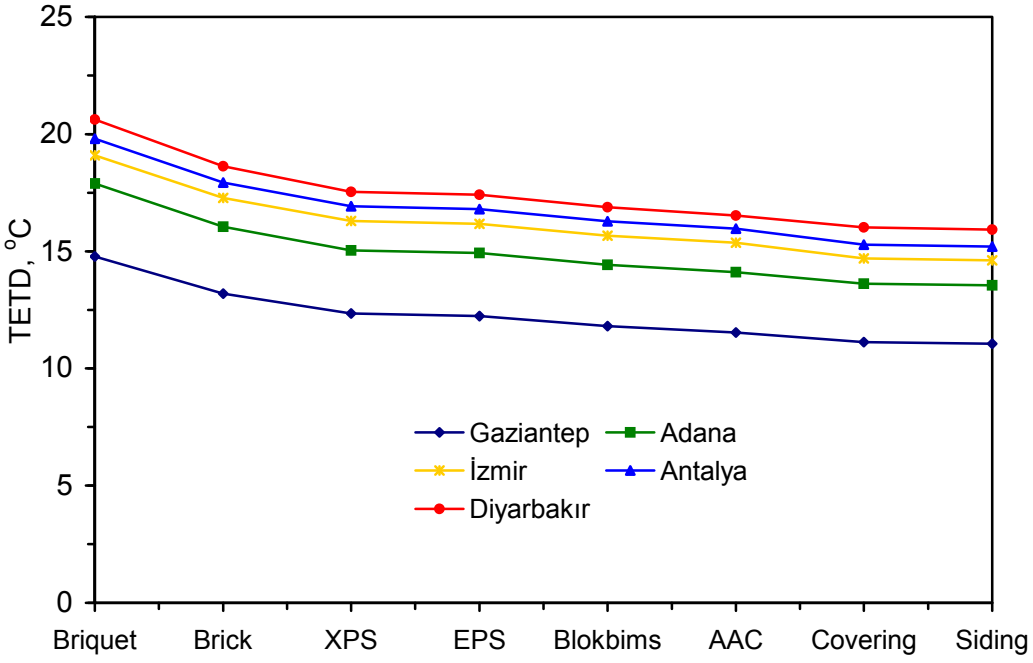

Figure 5.26. Variation of the highest TETD values of the walls due to south for different cities in Turkey

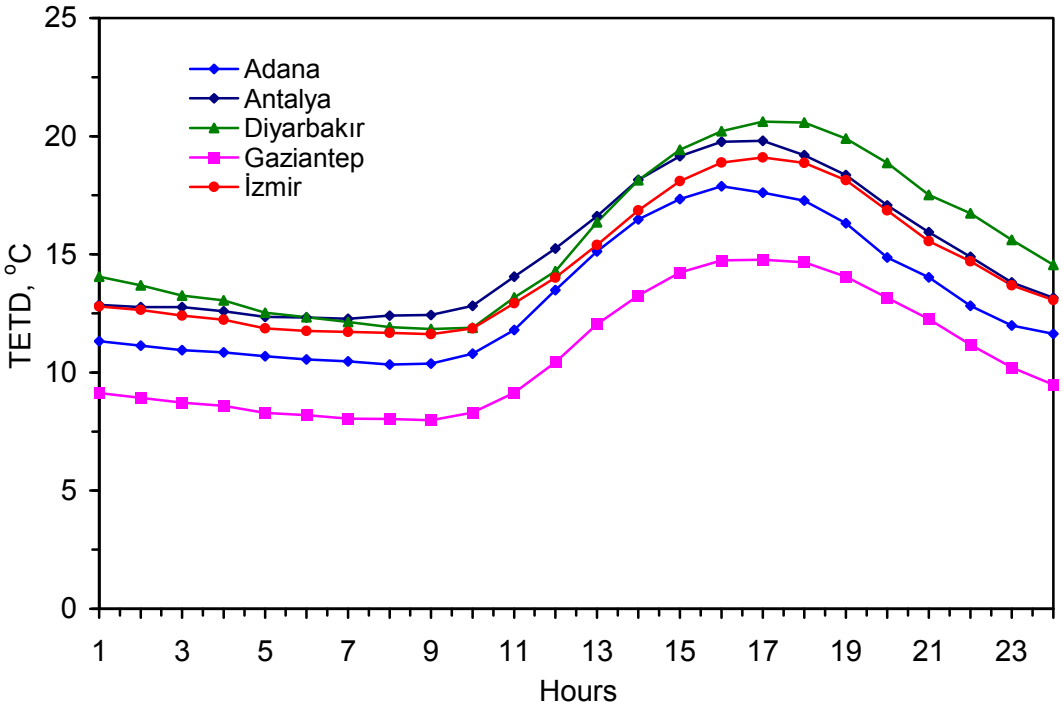

Figure 5.27. Daily variation of TETD values of briquette wall-W5 for various cities

Figure 5.28 and 5.29 shows TETD comparison of cities that exist on nearly same longitude. Longitudes of Bingöl, Diyarbakır and Erzincan are 40.30, 40.12 and 39.30 respectively while longitude of Aydın, Balıkesir and Tekirdağ are 27.50, 27.52 and 27.29 respectively. Order of the cities given in Figure 5.28 from lower latitude to higher one is Diyarbakır, Bingöl and Erzincan. As it is seen from figure, TETD values for the cities having higher latitude are relatively lower TETD values. Both of solar radiation on horizontal surface and ambient air temperature decrease as latitude of the locations increase. Altitude is also an effective parameter on TETD values. Altitudes of Bingöl, Diyarbakır and Erzincan are 1177 m, 660 m and 1215 m, respectively. It can be said that difference between TETD values of Erzincan and Bingöl is caused by difference in Latitude of the cities since elevations are nearly same. Difference between TETD values of Diyarbakır and Bingöl is higher than that of between Bingöl and Erzincan however, differences between latitudes of the cities are nearly equal. Latitudes of Bingöl, Diyarbakır and Erzincan are 38.52, 37.55 and 39.44. So, lower altitude of Diyarbakır cause to TETD values to increase much more.

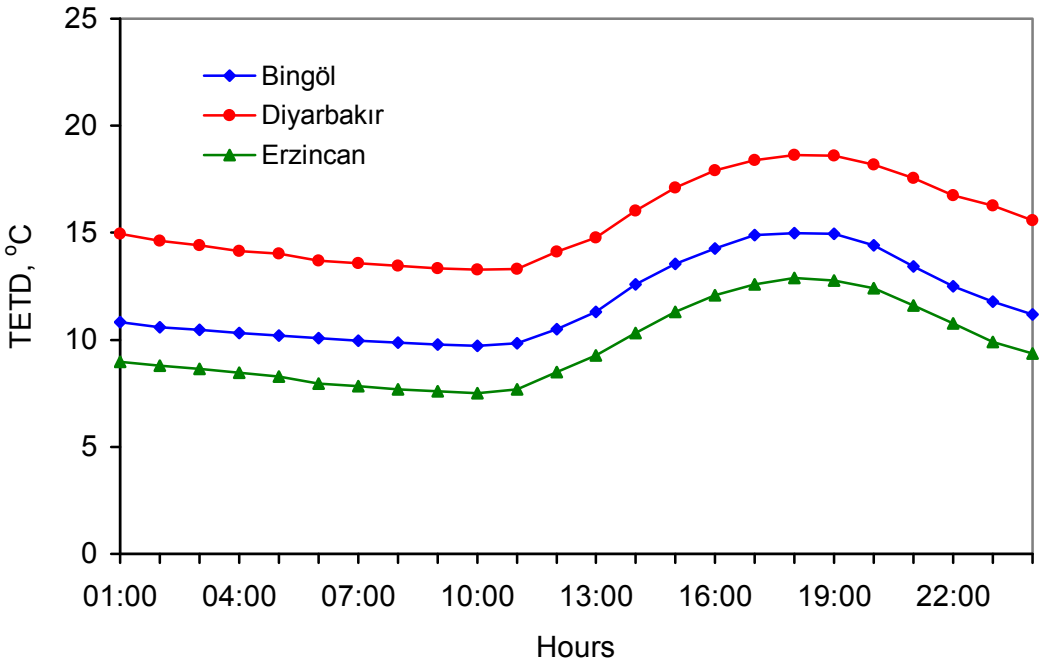

Figure 5.28. TETD values for cities on nearly same longitude

Figure 5.29 gives TETD values for cities on almost same longitude at the west of TURKEY. Elevations of the Aydın, Balıkesir and Tekirdağ 57 m, 147 m and 4 m, respectively. This figure shows that, change in latitudes acts TETD values much more than altitudes. It is understood from the figure that distance from the sea or effect of climatic data for the sea is very important effect on the TETD values. Since sea has positive effect on the climatic conditions. Tekirdağ is closer than the other cities of Balıkesir and Aydın. It is observed from the results that Aydın has lower effects from the sea than the cities of Tekirdağ and Balıkesir.

In order to examine the effect of distance from the sea on the climatic conditions, Figure 5.30 is depicted. It shows TETD variation of dark colored wall W1 faced to south for three city exist on north coast of TURKEY. Elevations of Zonguldak, Samsun and Trabzon are 136 m, 44 m and 30 m respectively. It is expected that Zonguldak has lower TETD values since it has higher altitude. But, Its TETD values are higher than the TETD values of the Samsun and Trabzon. TETD variation for the cities is closer to each other or almost same since there is no significant change of distance from the sea and latitude of the cities. Latitudes of Zonguldak,Samsun and Trabzon are 41.27 N ,41.17 N and 41.0 N, respectively. This figure demonstrates that distance from the sea is very significant effect on the climatic conditions.

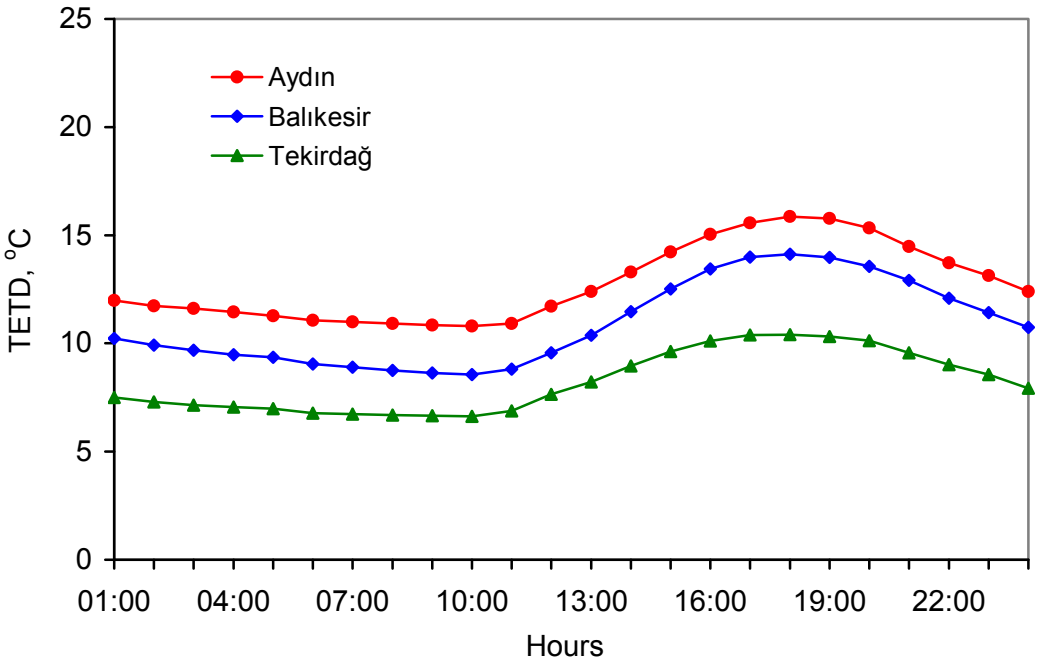

Figure 5.29. TETD values for cities on nearly same longitude

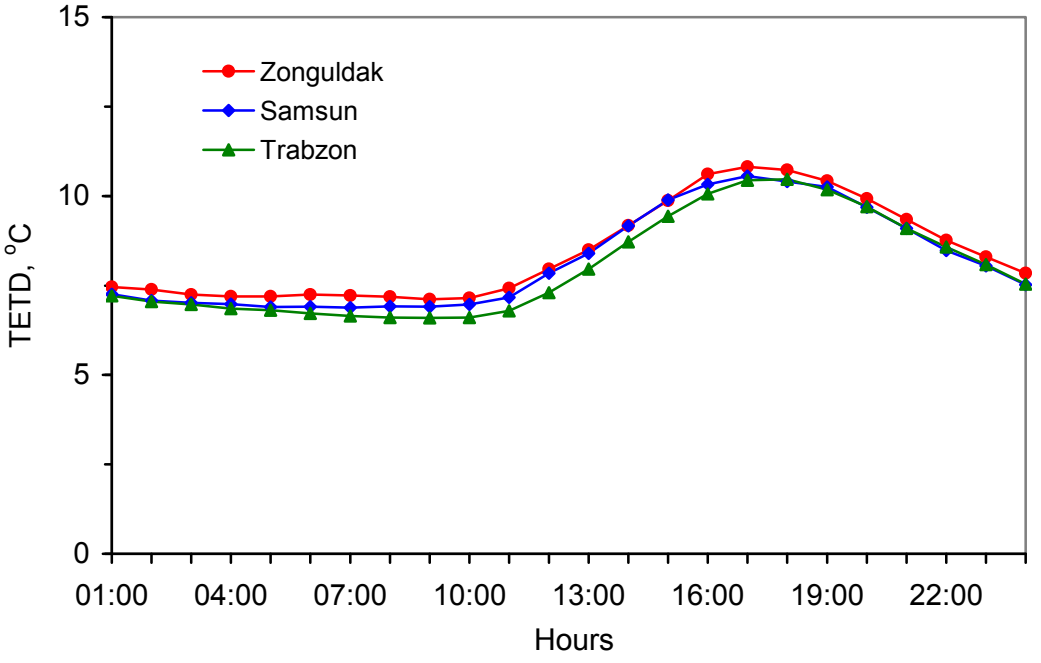

Figure 5.30. Variation of TETD values for cities on nearly same latitude

Latitude has significant effects on the climatic conditions. As distance from the equator increases, it is waited a cold climatic conditions. Because, effect of the solar energy decreases as the distance increases from the equator to the poles.

Figure 5.31 is depicted for observing effect of latitude on the TETD values. It shows TETD variation of dark colored wall W1 faced to south for three cities exist almost on same latitude. Swing in TETD values are caused by elevation of the cities. Altitudes of Ankara, Sivas and Erzurum are 894 m, 1285 m and 1869 m, respectively. These altitudes are average values. Order of the cities from east to west is Erzurum, Sivas and Ankara. So that TETD values of Erzurum starts to increase earlier than those of Sivas and TETD values of Sivas begins to increase earlier than those of Ankara. It is seen from the figure that altitude is very important. Since, there is stronger climatic conditions as the altitude increases. Erzurum has the highest altitude and TETD values of the City are lower than the TETD values of the other cities of Sivas and Ankara. That is, Ankara is the warmest city than the Sivas and erzurum.

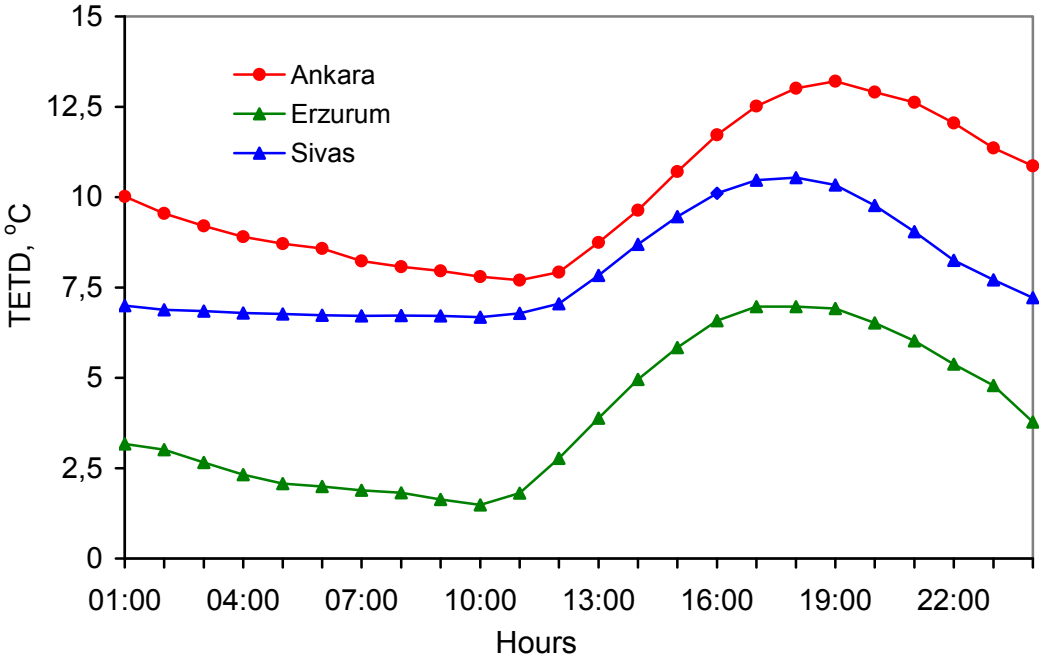

Figure 5.31. Variation of TETD values for cities on nearly same latitude

5.6. Uncertainty Analysis

The uncertainty of mathematically calculated results which are functions of measured physical quantities is related to the primary uncertainty for each independent variable. The general expression is

$$e_R = \sqrt{\left(\frac{\partial R}{\partial x_1} e_1\right)^2 + \left(\frac{\partial R}{\partial x_2} e_2\right)^2 + \ldots + \left(\frac{\partial R}{\partial x_n} e_n\right)^2} \qquad (5.1)$$

where,

R is the calculated results, $R=R(x_1,x_2,...x_n)$

e_R is the uncertainty interval in the result

e_i is the uncertainty interval in the i^{th} variable

$\frac{\partial R}{\partial x_i}$ is the sensitivity of the result to a single variable, i

Above methodology is applied to primary calculated results of Decrement Factor as follow,

$$e_{DF} = \sqrt{\left(\frac{\partial DF}{\partial T_{i,max}} e_{T_{i,max}}\right)^2 + \left(\frac{\partial DF}{\partial T_{i,min}} e_{T_{i,min}}\right)^2 + \left(\frac{\partial DF}{\partial T_{o,max}} e_{T_{o,max}}\right)^2 + \left(\frac{\partial DF}{\partial T_{o,min}} e_{T_{o,min}}\right)^2} \quad (5.2)$$

Calculated uncertainty interval in Decrement Factor (e_{DF}) is 0.018 for all walls and Roof-R1 and 0.020 for Roof-R2.

CHAPTER 6

CONCLUSIONS AND RECOMMENDATIONS

The time lag (TL), decrement factor (DF) and total equivalent temperature difference (TETD) values of eight types of walls and two types of flat roofs commonly used in Turkey, namely briquette, brick, blokbims, AAC, XPS, EPS, covering and siding walls are obtained using theoretical and experimental studies.

It is found that the TL, DF and TETD values obtained in experimental study are in accordance with theoretical one. The experimental results may be viewed as a verification of theoretical model previously developed. Some of the conclusions related to TL,DF and TETD can be summarized as follows:

1. Thermophysical properties of the wall or roof materials have profound effects on the TL, DF and TETD values. Particularly, heat capacity is a main and the materials with higher heat capacities give the higher amplitude and TETD values.

2. Daily amplitude or the highest values for TETD of walls from the lowest to the highest values are obtained for siding, covering, AAC, blokbims, sandwich wall with EPS, sandwich wall with XPS, brick and briquette. This sequence for roof is R1 and R2.

3. The DF is an important parameter yielding the highest TETD value and its amplitude.

4. The highest TETD values lead to the highest heat gain, which is observed for the West direction. This is because the outside air temperatures are high after noon and solar radiation flux is higher in the west compared to the other directions.

5. Heat capacity and thermal conductivity have significant effects on the heat gain through the walls and flat roof. In eight types of walls, the lowest heat gain through the walls occurs for the siding, but the highest heat gain takes place for the briquette wall. In fact, order of decrement factor express the sequence of the heat gain

6. TL values higher for wall having higher thermal inertia. That is, massive wall have higher TL values. Insulation materials have lower density than building materials and therefore effect of insulation materials on decrement factor more significant than TL.

7. Increasing of DF and decreasing of TL give higher TETD values and its amplitude.

8. Daily mean values of the TETD for light and dark roofs in Gaziantep under the same outside air temperatures and solar radiation flux are equal to each other. The values are 6.9^{o}C for R1 and 12.8^{o}C for R2.

9. The highest heat gain for the roof R2 is approximately equal to twice of heat gain for the roof R1, which indicates that the capacity of air conditioner due to the heat gain through the roof R2 will be equal to twice of the other one.

10. The TETD values obtained for the blokbims are close to the values of AAC.

11. Measured temperatures for roofs and walls are found to agree reasonably well with those values obtained from the computation based on the theoretical study. Theoretical model used in this study is verified by comparing results obtained from both of the experimental and theoretical models. However, there are slightly differences between the measured and theoretical values of temperatures, which can be considered as small differences. The reasons of the differences may be attributed to the use of thermal properties of the building materials given in literature in case of real materials used in the walls or roof, errors in measurements and calculations.

12. In the countries having large temperature difference between night and daylight durations, Building have to be constructed by wall having higher TL,

Thus, Heat transfer rate from the wall is postponed to relatively cooler time of the day. This is important by capacity of air conditioning point of view.

13. It is concluded that blokbims may be used instead of AAC since it gives approximate results with those of AAC. Its utilization in wall construction will contribute positive effects on comfort condition, and decrease initial and operation costs of air conditioner and building construction in Turkey.

14. Density of a material has significant effect on the propagation of the heat through the material. TL values increases with an increase in density almost linearly and DF values decreases almost linearly as well.

15. Position of insulation layer in building structure affects TL and DF values. Insulation has to be placed to inner or outer surface of the walls if minimum and maximum TL is required, respectively. Insulation has to be placed outer surface of the wall to obtain minimum decrement factor and thus minimum heat gain.

16. Both of solar radiation on horizontal surface and ambient air temperature decrease as latitude of the locations increase. So that TETD values decrease with increase in latitude.

17. Altitudes of the cities are also significant parameters in TETD point of view. Cities having higher elevation has lower TETD values.

REFERENCES

[1]. Yumrutaş R., Önder K., and Yıldırım E. (2007). Estimation of Total equivalent temperature difference values for multilayer walls and flat roofs by using periodic solution. *Building and Environment*, **42**, 1878-1885.

[2]. McQuiston F.C., Parker J.D., Spitler J.D. (1994). *Heating, ventilating, and airconditioning—analysis and design.* (4th ed.). New York: John Wiley & Sons.

[3]. Bansal K., Chowdhury S., Gopal MR. (2008). Development of CLTD values for buildings located in Kolkata, India. *Applied Thermal Engineering*, **28**, 1127–1137.

[4]. Yumrutaş R., Unsal M. and Kanoğlu M. (2005). Periodic solution of transient heat flow through multilayer walls and flat roofs by complex finite Fourier transform technique. *Building and Environment*, **40**, 1117–1125.

[5]. Mui K.W., Wong L.T. (2007). Cooling load calculations in subtropical climate. *Building and Environment*, **42**, 2498–2504.

[6]. Bansal K., Chowdhury S., Gopal M.R. (2008). Development of CLTD values for buildings located in Kolkata, India. *Applied Thermal Engineering*, **28**, 1127–1137.

[7]. *ASHRAE handbook*-fundamentals (1993). Atlanta: ASHRAE.

[8]. McQuiston F.C., Parker J.D. (1994). *Heating, ventilating, and airconditioning* (4th ed.). New York: John Wiley & Sons.

[9]. Spitler J.D., McQuiston F.C., Lindsey K.L. (1993). The CLTD/SCL/CLF cooling load calculation method. *ASHRAE Transactions*,**10**,183-192.

[10]. Omar M.A., AL-Rabghi and Khalid M. Al-Johani (1997). Utilizing transfer function method for hourly cooling load calculations. *Energy Conversion and Management*, **38**, 319-332.

[11]. Wang S.K. (2001). *Handbook of Air Conditioning and Refrigeration*. New York: McGraw-Hill.

[12]. Harris S.M., McQuiston F.C. (1988). A study to categorize walls and roofs on the basis of thermal response. *ASHRAE Transactions,* **94**, 688-697.

[13]. Sowell E.F. (1988). Classification of 200, 640 parametric zones for cooling load calculation method. *ASHRAE Transactions*, **94.**

[14]. Kontoleon K.J. and Bikas D.K. (2007). The effect of south wall's outdoor absorption coefficient on time lag, decrement factor and temperature variations. *Energy and Buildings*, **39**, 1011–1018.

[15]. Kontoleon K.J. and Eumorfopoulou E.A. (2008). The influence of wall orientation and exterior surface solar absorptivity on time lag and decrement factor in the Greek region. *Renewable Energy,* **33**, 1652–1664.

[16]. Asan H, Sancaktar Y.S. (1998). Effects of wall's thermophysical properties on time lag and decrement factor. *Energy and Building*, **28**,159–66.

[17]. Asan H. (1998). Effects of wall's insulation thickness and position on time lag and decrement factor. *Energy and Building*, **28**,299–305.

[18]. Asan H. (2000). Investigation of wall's optimum insulation position from maximum time lag and minimum decrement factor point of view. *Energy and Building,* **32**,197–203.

[19]. Asan H. (2006). Numerical computation of time lags and decrement factors for different building materials. *Building and Environment*, **41**,615–20.

[20]. Ulgen K. (2002). Experimental and theoretical investigation of effects of wall's thermophysical properties on time lag and decrement factor. *Energy and Building*, **34**, 273–8.

[21]. Cerne B., Medved S. (2005). The dynamic thermal characteristics of lightweight building elements with a forced ventilated cavity and radiation barriers. *Energy and Building*, **37**, 972–81.

[22]. Vijayalakshmi M.M., Natarajan E. and Shanmugasundaram V. (2006). Thermal behavior of building wall elements. *Journal of Applied Sciences*, **6**, 3128-3133.

[23]. VDI (The Association of German Engineers), www.vdi.de/.

[24]. Mackey C.O. and Wright L.T.(1944). Periodic heat flow –homogenous walls or roofs. *ASHVE Transactions*, **50**, 293-312.

[25]. Mackey C.O. And Wright L.T. (1946). Periodic heat flow –composite walls or roofs. *ASHVE Transactions*, **52**, 283-296

[26]. Stewart J.P. (1948). Solar Heat Gain through Walls and Roofs for Cooling Load Calculations. *Transactions American Society of Heating and Ventilating Engineers*, **54**, 361-388.

[27]. Mitalas G.P. and Stephenson D.G. (1967). Room Thermal Response Factors. *ASHRAE Transactions*, **73**, 2.1-2.10.

[28]. Stephonson D.G. (1968). Calculation of Cooling Load Digital Computer. *ASHRAE Journal*, **4**, 41-43.

[29]. Bulut H., Durmaz A.F., Aktacir M.A. (2006). İklimlendirme Sistemleri İçin Soğutma Yükü Hesap Yöntmelreinin Karşılaştırlması. *VII Uluslararası Yapıda Tesisat Teknolojisi Sempozyumu*.

[30]. Mitalas G.P. (1972). Transfer function method of calculating cooling loads, heat extraction rate, and space temperature. *ASHRAE Journal*, **14**, 52.

[31]. ASHRAE handbook-fundamentals (2001). Atlanta: ASHRAE.

[32]. M. Ozel, K. Pihtili (2007). Optimum location and distribution of insulation layers on building walls with various orientations. *Building and Environment,* **42**, 3051–3059.

[33]. Nurdil Eskin, Hamdi Türkmen (2007). Analysis of annual heating and cooling energy requirements for office buildings in different climates in TURKEY. *Energy and Buildings*,**40**,763-773

[34]. S.N. Kaplanis (2006).New methodologies to estimate the hourly global solar radiation; Comparisons with existing models. *Renewable Energy*,**31**,781-790

[35]. Salem Nijmeh, Rustom Mamlook (2000). Testing of two models for computing global solar radiation on tilted surfaces. *Renewable Energy*,**20**,75-81

[36]. G. Notton, P. Poggi, C. Cristofari (2006). Predicting hourly solar irradiations on inclined surfaces based on the horizontal measurements: Performances of the association of well-known mathematical models. *Energy Conversion and Management*, **47**,1816-1829

[37]. A. Mefti , M.Y. Bouroubi, A.Adane (2003). Generation of hourly solar radiation for inclined surfaces using monthly mean sunshine duration in Algeria. *Energy Conversion and Management*, **44**,3125-3141

[38]. Sami A. Al-Sanea, M. F. Zedan, Saleh A. Al-Ajlan (2004). Adjustment factors for the ASHRAE clear-sky model based on solar-irradiation measurements in Riyadh. *Applied Energy,* **79**,215-237

[39]. Machler MA, Iqbal M.A (1985).A modification of the ASHRAE clear-sky irradiation model. *ASHRAE Transactions*,**91(Part1),**106-15 .

[40]. Sami A. Al-Sanea. (2003). Finite-volume thermal analysis of building roofs under two-dimensional periodic conditions. *Building and Environment*.; **38**,1039–1049.

[41]. Duffie JA and Beckman WA (1991). *Solar engineering of thermal process*. New York: Wiley,

[42]. Wheeler AJ and Ganji AR.(1996). *Introduction to engineering experimentation*. New Jersey, Prentice Hall.

APPENDIX A

Publications

Four article based on the thesis were submitted to international journals . Two papers are in press and a paper was accepted to be pressed. Paper lists and their stiutaion are given below

.

Articles in International Journals

1. Yumrutaş R., Kaşka Ö. and Yıldırım E. Estimation of Total equivalent temperature difference values for multilayer walls and flat roofs by using periodic solution. Building and Environment, 2007, 42(5), 1878-1885.
2. Ö. Kaşka and R. Yumrutaş**,** Comparison of experimental and theoretical results for the transient heat flow through multilayer walls and flat roofs, Energy, (article in press)
3. Önder Kaşka, Recep Yumrutaş and Orhan Arpa, Theoretical and experimental investigation of total equivalent temperature difference (TETD) values for building walls and flat roofs in Turkey, Applied Energy (article in press)
4. Önder Kaşka and Recep Yumrutaş, Experimental investigation for total equvalent temperature difference (TETD) values of building walls and flat roofs, Energy Conversion and Management.(under review)

Symposium Papers

1. Recep YUMRUTAŞ, Erdal YILDIRIM and Önder KAŞKA, "Estimation of total equvalent temperature difference values by using periodic solution of transient heat transfer problem". *Proceedings of the 1st International Symposium and Exhibition on Environment-Friendly Energy Sources and Technologies*, September 5-7, İzmir-TURKEY, 2005.
2. Önder Kaşka ve Recep Yumrutaş, Konut yapımında yaygın olarak kullanılan duvar ve tavan tipleri için toplam eşdeğer sıcaklık farklarının deneysel olarak eldesi, VIII. Uluslararası Yapıda Tesisat Teknolojisi Sempozyumu, 12–14 Mayıs, İstanbul, 2008

APPENDIX B

Measurement Calibration Tables

Table A1. Thermocouple readings and corresponding calibration equations of personaldaq data logger used in room 1

	Temperature (°C)						T=m*Tc+b	
Channel	**25,6**	**35,9**	**46,7**	**55,7**	**65**	**75,1**	**m**	**b**
	Readings							
CH0	22,1	34,6	45,4	55,5	63,8	74,3	1,0032	-0,0505
CH1	22,4	34,9	45,7	55,4	64,5	75,3	0,9928	0,0665
CH2	22,9	34,9	46,0	55,8	64,4	75,1	1,0028	-0,5838
CH3	22,4	34,4	45,2	55,2	63,6	74,7	1,0021	0,0486
CH4	22,6	35,0	46,1	55,9	64,6	75,0	0,9993	-0,4360
CH5	22,9	34,9	46,0	55,4	64,4	75,1	1,0030	-0,5391
CH6	22,5	35,5	45,7	55,8	64,1	74,9	1,0056	-0,6267
CH7	22,9	35,5	45,7	55,7	64,1	74,9	1,0120	-1,0012
CH8	22,0	34,5	45,6	55,5	64,0	74,8	0,9941	0,3054
CH9	21,8	33,9	45,2	54,9	63,7	74,7	0,9912	0,8092
CH10	21,7	35,0	46,2	54,9	64,6	75,3	0,9847	0,5522
CH11	22,4	34,9	46,1	55,1	64,5	75,3	0,9936	-0,0113
CH12	22,6	35,1	46,2	55,2	64,6	74,7	1,0064	-0,6493
CH13	21,9	34,1	45,3	54,8	63,7	75,2	0,9873	0,8657
CH14	23,0	34,5	46,5	55,8	65,0	74,6	1,0034	-0,6669
CH15	22,1	34,5	45,5	55,0	63,9	74,7	0,9976	0,2338
CH16	22,2	34,7	45,7	55,1	64,1	74,9	0,9976	0,0782
CH17	22,6	34,6	46,5	55,7	65,0	74,6	0,9981	-0,3286
CH18	22,0	34,7	45,7	55,1	64,2	75,1	0,9911	0,3834
CH19	22,3	34,8	45,7	55,2	64,4	74,9	0,9964	0,0440
CH20	22,1	34,4	45,1	55,5	63,5	75,1	0,9924	0,4917
CH21	22,3	34,9	45,9	55,1	64,3	75,2	0,9939	0,0991
CH22	22,2	34,3	45,3	54,8	63,2	74,1	1,0122	-0,1665
CH23	22,0	34,5	45,4	55,4	63,5	74,4	1,0025	0,0749

Table A2: Thermocouple readings and corresponding calibration equations of personaldaq data logger used in room 2

	Temperature (^{o}C)						**T=m*Tc+b**	
Channel	**25,6**	**35,9**	**46,7**	**55,7**	**65**	**75,1**	**m**	**b**
	Readings							
CH0	25,1	35,5	46,4	55,5	64,8	75,3	0,9879	0,8432
CH1	25,2	35,7	46,7	55,7	65	75,4	0,9981	0,652
CH2	24,8	35,2	46,2	55,3	64,6	75	0,987	1,134
CH3	24,7	35,1	46,2	55,4	64,6	75,1	0,983	1,3346
CH4	24,4	34,9	45,9	55,2	64,5	74,9	0,9806	1,6703
CH5	25,3	35,8	46,8	55,8	65,2	75,5	0,9873	0,5782
CH6	25,3	35,7	46,7	55,8	65,1	75,5	0,987	0,6405
CH7	25,2	35,6	46,7	55,7	65,1	75,5	0,985	0,7914
CH8	25,1	35,5	46,6	55,7	65	75,3	0,9861	0,8335
CH9	24,8	35,2	46,2	55,3	64,7	75	0,9862	1,1586
CH10	24,7	35,2	46,2	55,3	64,6	75	0,9856	1,2229
CH11	24,7	35,2	46,1	55,2	64,5	74,9	0,9879	1,1737
CH12	24,6	35	46	55,1	64,3	74,7	0,9893	1,2528
CH13	24,9	35,3	46,3	55,4	64,7	75,1	0,987	1,0353
CH14	24,5	35	46	55,2	64,5	74,9	0,9831	1,4963
CH15	25	35,5	46,5	55,6	64,9	75,3	0,9856	0,9273
CH16	25,2	35,6	46,7	55,7	65,1	75,4	0,9864	0,7365
CH17	24,6	35	46,1	55,3	64,5	75	0,983	1,4329
CH18	25,3	35,7	46,7	55,8	65,2	75,5	0,9862	0,6655
CH19	25,2	35,6	46,7	55,8	65,4	75,4	0,9837	0,8113
CH20	24,6	35	46,1	55,3	64,5	75,1	0,9816	1,4869
CH21	24,7	35,1	46,1	55,2	64,5	74,9	0,987	1,2328
CH22	24,7	35,2	46,3	55,2	64,8	75,1	0,9831	1,3011
CH23	25,1	35,4	46,4	55,2	64,8	75,1	0,9907	0,7993

APPENDIX C

Solar Radiation on Horizontal Plane and Ambient Air Temperature Data for the Cities

ADANA		ADIYAMAN		AFYON		AĞRI		AKSARAY		AMASYA		ANKARA		ANTALYA		ARTVİN	
36.59*		37.46		38.45		39.44		37.40		40.40		39.50		38.24		41.11	
August 9		July 28		August 2		July 20		August 2		July 26		July 30		July 28		July 30	
T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2
27.39	0.0	29.93	0.0	21.9	0.0	19.3	0.0	24.0	0.0	23.5	0.0	21.9	0.0	28.38	0.0	22.87	0.0
26.78	0.0	29.91	0.0	20.4	0.0	18.1	0.0	23.7	0.0	22.1	0.0	20.7	0.0	28.23	0.0	22.84	0.0
26.4	0.0	29.12	0.0	19.5	0.0	17.2	0.0	22.9	0.0	21.1	0.0	19.9	0.0	28	0.0	22.74	0.0
25.84	0.0	28.04	0.0	18.8	0.0	16.3	0.0	22.1	0.0	19.9	0.0	18.8	0.0	28.59	0.0	22.52	0.0
25.45	21.7	27.75	0.5	18.3	0.6	15.7	0.0	21.6	0.1	19.1	0.8	18.1	0.6	28.63	2.4	22.22	0.8
25.68	128.1	27.66	25.6	18.6	44.5	15.3	14.0	21.1	33.4	19.3	34.1	18.8	31.0	29	56.6	22.84	25.2
27.37	294.4	29.15	141.1	21.0	186.3	17.4	105.3	22.3	168.3	21.8	163.6	21.7	134.1	31.53	201.7	24.16	136.4
29.47	462.5	32.09	314.0	23.6	371.2	21.6	293.1	25.4	335.0	25.3	353.3	25.1	276.0	34.36	379.6	26.02	325.7
31.66	601.4	35.53	447.4	26.8	545.0	25.4	458.7	28.4	483.0	28.4	516.4	28.7	426.5	36.66	561.1	28.14	505.6
33.87	702.9	38	556.7	29.4	690.9	28.4	577.3	30.6	592.3	31.8	642.0	31.9	562.1	38.64	691.5	30	650.5
35.57	756.8	40.11	631.9	31.8	776.7	31.0	667.4	33.1	669.9	34.5	730.9	34.5	653.6	39.77	768.3	32.05	745.9
37.6	767.0	41.36	670.7	33.3	825.5	32.6	691.4	34.6	717.3	37.2	769.5	36.1	705.6	40.81	799.0	34.16	801.7
37.85	727.6	41.74	666.8	34.7	811.6	33.8	667.4	35.6	721.1	39.1	773.3	37.4	713.3	41.12	790.6	34.8	785.4
39.39	638.8	42.3	626.5	35.2	711.8	34.6	629.9	36.2	674.6	39.6	716.2	37.8	626.5	40.13	749.5	34.68	741.2
39.32	519.9	42.49	562.9	35.6	595.9	34.9	545.6	36.5	575.4	40.4	638.9	38.3	563.7	39.71	659.5	32.34	631.9
37.74	377.1	42.17	449.7	35.8	497.6	34.6	404.2	36.4	501.6	39.6	511.3	38.0	466.8	38.5	528.3	31.35	487.7
36.72	220.8	41.49	317.1	35.2	361.5	33.4	264.2	35.6	338.8	38.1	374.3	37.5	353.6	37.21	365.7	30.08	324.1
34.86	61.6	40.1	154.3	33.8	206.6	31.5	129.7	34.6	191.6	36.1	182.0	36.5	207.0	35.25	212.5	28.21	156.7
32.91	4.0	37.57	30.9	31.4	63.9	29.0	55.2	31.8	54.4	33.9	45.4	33.2	85.3	33.29	70.8	26.88	33.9
31.5	0.0	35.66	0.9	29.7	1.9	27.1	3.5	29.6	1.1	32.4	2.3	30.9	9.8	31.78	2.8	25.42	4.5
30.12	0.0	34.12	0.0	28.5	0.0	25.4	0.0	27.7	0.0	30.9	0.0	28.8	0.0	30.57	0.0	25.04	0.0
29.3	0.0	33.17	0.0	27.2	0.0	23.8	0.0	26.5	0.0	30.1	0.0	26.7	0.0	30.19	0.0	24.38	0.0
28.52	0.0	32.24	0.0	25.7	0.0	22.2	0.0	25.6	0.0	27.9	0.0	25.3	0.0	30.19	0.0	23.92	0.0
28.07	0.0	31.43	0.0	24.5	0.0	20.4	0.0	24.2	0.0	26.6	0.0	24.3	0.0	29.44	0.0	23.48	0.0

* Latitude

AYDIN		BALIKESİR		BARTIN		BATMAN		BİLECİK		BİNGÖL		BİTLİS		BURDUR		BURSA	
37.51*		39.39		41.38		37.52		40.09		38.53		38.22		37.43		40.11	
July 22		July 27		July 30		July 20		July 30		August 2		August 7		July 30		July 29	
T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2
25.59	0.0	22.72	0.0	19.16	0.0	27.57	0.0	21.59	0.0	24.77	0.0	19.34	0.0	23.08	0.0	23.54	0.0
25.11	0.0	21.62	0.0	18.67	0.0	26.93	0.0	21.16	0.0	24.05	0.0	19.17	0.0	22.36	0.0	22.88	0.0
24.53	0.0	20.54	0.0	18.23	0.0	25.75	0.0	20.43	0.0	23.33	0.0	18.22	0.0	21.64	0.0	22.25	0.0
23.93	0.0	19.76	0.0	17.97	0.0	24.87	0.0	20	0.0	22.66	0.0	18.15	0.0	20.91	0.0	21.3	0.0
23.64	1.0	19.22	0.9	17.57	2.3	24.51	0.0	19.72	1.9	22.29	0.2	18.41	0.0	20.17	0.5	21.15	1.4
23.69	28.3	19.71	44.3	18.05	34.9	24.6	15.5	20.13	47.6	22.35	28.4	18.33	12.8	20.11	22.3	21.97	35.5
26.05	152.8	22.04	171.7	20.01	133.4	26.92	111.0	22.67	170.6	23.92	132.6	20.45	81.8	21.93	136.1	23.66	158.9
28.09	347.5	25.28	342.6	23.14	289.9	30.14	235.9	24.59	329.3	27.01	351.7	23.82	265.8	25.09	349.6	26.82	326.4
31.04	532.4	28.77	503.8	27.09	451.3	32.7	348.9	27.24	477.7	31.23	542.2	28.27	503.0	27.62	524.1	29.59	479.9
33.23	676.9	31.7	640.6	30.28	569.9	36.02	448.7	29.58	590.6	33.51	645.5	30.9	619.2	29.83	662.9	31.97	571.5
35.48	779.5	35.01	729.2	33.01	652.1	38.84	522.0	32.53	681.3	34.61	767.6	33.28	715.6	31.99	758.5	34.06	694.7
37.48	825.5	37.34	761.3	34.66	692.4	41.02	565.9	34.64	719.3	36.86	831.8	34.18	761.9	33.92	813.0	36.25	745.1
39.57	833.2	38.6	744.6	35.15	699.3	42.38	573.6	36.5	703.5	37.13	855.5	34.69	751.1	35.63	836.7	37.69	718.8
40.66	796.2	39.54	686.7	35.89	643.5	42.88	559.0	37.36	639.4	38.79	817.2	35.26	732.1	36.75	796.9	38.41	668.4
40.96	696.4	39.67	603.6	34.07	549.0	43.21	504.5	38.13	563.4	38.8	713.9	35.07	649.6	37.08	712.5	38.35	572.2
39.59	553.4	39.26	488.5	33.05	447.4	43.07	427.8	36.71	466.3	37.54	489.2	34.64	498.6	35.48	547.8	37.16	459.8
37.86	376.8	37.36	318.9	31.97	328.0	42.49	330.1	35.19	317.9	35.49	263.1	32.75	259.5	34.6	344.0	35.48	324.1
35.92	205.9	35.29	176.6	30.52	182.3	40.58	211.4	33.04	195.4	33.74	113.0	30.85	77.4	33.34	180.7	33.83	176.0
33.59	55.7	33.23	54.2	27.92	64.5	37.62	81.6	30.53	64.8	31.46	41.5	27.58	34.3	31.03	59.2	31.52	48.1
32.04	3.1	31.02	3.0	26.25	9.2	35.21	11.0	29.01	6.6	29.97	4.3	25.43	3.4	29.45	2.7	29.22	1.4
30.34	0.0	28.93	0.0	25.24	0.0	34.26	0.0	27.85	0.0	28.56	0.0	23.27	0.0	27.7	0.0	28.37	0.0
29.45	0.0	27.17	0.0	23.6	0.0	32.43	0.0	26.87	0.0	27.52	0.0	21.39	0.0	26.52	0.0	26.92	0.0
28.31	0.0	25.78	0.0	22.95	0.0	31.08	0.0	26.3	0.0	26.49	0.0	20.39	0.0	25.83	0.0	26.24	0.0
27.06	0.0	24.93	0.0	22.44	0.0	30.55	0.0	25.67	0.0	25.67	0.0	19.93	0.0	25.1	0.0	25.27	0.0

* Latitude

ÇANAKKALE		ÇORUM		DENİZLİ		DİYARBAKIR		DÜZCE		EDİRNE		ELAZIĞ		ERZİNCAN		ERZURUM	
40.09*		39.14		37.46		37.55		39.05		41.40		38.41		39.44		39.55	
July 11		July 30		July 28		August 5		July 17		August 7		July 20		July 29		July 21	
T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2
24.9	0.0	18.97	0.0	26.77	0.0	27.5	0.0	21.2	0.0	18.97	0.0	24.17	0.0	24.17	0.0	14.86	0.0
24.27	0.0	17.89	0.0	26.06	0.0	26.65	0.0	20.53	0.0	17.89	0.0	23.55	0.0	23.55	0.0	14.14	0.0
23.83	0.0	16.78	0.0	25.61	0.0	25.81	0.0	19.83	0.0	16.78	0.0	22.84	0.0	22.84	0.0	13.65	0.0
23.33	0.0	15.98	0.0	24.72	0.0	24.82	0.0	19.17	0.0	15.98	0.0	22.11	0.0	22.11	0.0	12.26	0.0
22.92	1.8	15.17	1.4	23.89	1.2	24.47	0.1	18.43	2.0	15.17	1.4	22.02	0.0	22.02	0.0	11.24	0.0
23.13	36.3	15.11	40.7	23.95	33.3	24.42	28.1	18.32	43.5	15.11	40.7	21.7	25.1	21.7	25.1	12.32	41.5
24.53	141.9	17.96	177.2	26.18	121.4	28.34	163.6	19.87	143.4	17.96	177.2	24.84	149.3	24.84	149.3	15.93	178.3
26.46	307.0	21.79	346.1	28.71	248.4	31.17	352.0	22.13	279.1	21.79	346.1	27.62	321.0	27.62	321.0	21.28	300.9
28.45	464.4	26.36	496.9	31.09	381.0	34.08	518.0	25.42	446.0	26.36	496.9	30.01	475.2	30.01	475.2	25.2	466.7
30.04	577.7	29.32	630.8	33.27	494.1	36.34	663.7	28.05	577.9	29.32	630.8	31.8	593.9	31.8	593.9	27.32	611.8
31.52	652.8	32.69	726.4	35.09	566.6	38.12	748.2	30.85	678.2	32.69	726.4	33.95	683.2	33.95	683.2	29.19	714.9
32.69	701.7	34.99	767.6	36.67	623.2	39.56	791.6	33.37	729.6	34.99	767.6	35.62	725.7	35.62	725.7	30.77	733.5
33.79	711.8	36.59	750.2	38.48	628.1	40.89	807.0	35.54	723.2	36.59	750.2	37.14	735.5	37.14	735.5	32.22	654.5
34.67	680.0	37.57	707.6	39.56	593.9	42.11	774.0	36.43	687.0	37.57	707.6	38.51	712.5	38.51	712.5	33.1	624.2
35.5	621.9	37.61	599.4	40.21	510.8	42.46	680.5	35.73	574.1	37.61	599.4	39.01	652.5	39.01	652.5	33.07	540.5
34.95	516.4	37.76	505.9	39.71	416.6	42.3	581.5	35.16	433.9	37.76	505.9	39	533.8	39	533.8	32.87	464.4
34.09	379.2	37.21	337.1	38.5	296.6	41.72	433.7	33.96	308.9	37.21	337.1	38.37	401.3	38.37	401.3	32.01	342.8
32.78	232.6	35.21	203.1	36.81	155.6	40.53	268.3	32.63	203.0	35.21	203.1	37.56	238.7	37.56	238.7	30.29	203.2
31.02	95.3	31.66	66.3	34.21	52.7	38.46	86.5	30.1	77.8	31.66	66.3	35.42	111.0	35.42	111.0	25.78	82.2
29.33	6.0	29.59	3.4	32.38	5.1	36.32	0.0	28.19	7.2	29.59	3.4	32.5	8.2	32.5	8.2	23.12	4.3
28.45	0.0	27.39	0.0	30.77	0.0	34.12	0.0	26.65	0.0	27.39	0.0	31.13	0.0	31.13	0.0	22.15	0.0
27.44	0.0	25.82	0.0	29.36	0.0	32.52	0.0	25.36	0.0	25.82	0.0	29.15	0.0	29.15	0.0	19.59	0.0
26.77	0.0	24.75	0.0	28.07	0.0	30.66	0.0	24.13	0.0	24.75	0.0	27.57	0.0	27.57	0.0	17.24	0.0
26.19	0.0	22.91	0.0	27.24	0.0	29.76	0.0	23.44	0.0	22.91	0.0	26.78	0.0	26.78	0.0	15.42	0.0

* Latitude

ESKİŞEHİR		GAZİANTEP		ÇANKIRI		GÜMÜŞHANE		HAKKARİ		HATAY		IĞDIR		ISPARTA		İÇEL	
39.46*		37.01		40.36		40.27		37.34		36.52		39.55		37.46		36.48	
July 19		July 23		July 4		July 14		July 30		August 1		July 4		July 28		July 28	
T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2
17.78	0.0	25.1	0.0	21.49	0.0	18.63	0.0	25.51	0.0	28.15	0.0	19.29	0.0	21.07	0.0	28.01	0.0
16.89	0.0	24.65	0.0	20.26	0.0	17.73	0.0	24.85	0.0	27.88	0.0	18.12	0.0	20.5	0.0	27.67	0.0
15.6	0.0	24.05	0.0	19.09	0.0	16.87	0.0	24.02	0.0	27.57	0.0	17.34	0.0	19.72	0.0	27.15	0.0
14.6	0.0	23.95	0.0	18.23	0.0	16.38	0.0	23.36	0.0	27.35	0.0	16.49	0.0	18.99	0.0	26.69	0.0
13.84	0.1	23.75	0.0	17.33	1.7	15.73	1.0	22.77	0.0	27.02	0.0	15.83	0.0	18.32	1.7	26.49	0.6
14.41	34.7	24.1	34.3	17.24	18.8	16.06	23.4	22.6	16.7	27.02	15.7	15.43	9.2	19.01	55.2	26.95	26.3
18.82	141.0	25.25	121.8	18.8	93.3	17.25	132.6	23.36	127.7	27.56	119.2	17.34	92.1	22.06	192.8	27.65	149.0
22.74	255.4	27.5	260.7	24.24	280.9	20.41	359.7	24.93	296.9	28.41	273.4	21.74	248.4	25.38	344.5	29.2	328.0
27.08	395.0	31.1	425.0	28.98	481.5	24.64	586.2	26.72	459.1	29.38	421.3	25.68	450.8	28.09	475.8	30.09	495.5
29.87	503.1	32.95	536.4	32.41	660.4	29.47	727.0	28.77	587.7	30.19	539.9	28.33	567.3	30.42	580.5	30.87	642.7
32.33	553.4	34.7	608.5	34.53	743.2	33.19	831.0	30.53	677.7	31.02	619.2	30.96	660.8	32.42	651.5	31.65	755.8
34.07	559.7	35.55	652.8	35.8	808.7	35.58	877.4	32.25	734.2	31.89	667.4	32.39	692.3	33.42	683.9	32.1	823.4
35.59	579.2	35.6	654.2	37.1	820.9	36.58	851.9	33.28	746.7	33.22	690.3	33.69	668.5	34.57	668.6	32.88	838.8
36.2	549.2	36.5	612.2	38.08	750.2	36.81	805.6	34.05	697.8	33.95	661.7	34.4	647.6	35.63	638.9	33.16	797.6
36.71	473.1	36.4	540.2	38.83	718.0	36.43	649.6	34.11	604.8	34.68	592.6	34.71	552.0	35.47	553.8	32.94	695.0
36.48	379.6	35.9	439.3	38.63	538.3	34.72	537.3	34.17	448.9	33.8	492.9	34.41	425.0	35.13	421.3	32.52	543.6
35.15	284.0	35.25	314.6	38.11	388.2	32.43	402.9	33.69	305.5	32.48	362.3	33.08	293.4	34.16	289.9	31.92	381.7
33.45	174.5	33.3	177.0	36.1	266.1	29.55	249.9	32.84	143.2	31.51	208.1	31.25	155.6	32.55	154.8	31.31	203.8
30.56	67.7	32.1	47.0	33.29	120.4	27.38	110.5	31.39	16.7	30.73	69.1	28.72	70.5	30.23	34.9	30.65	56.2
28.29	0.0	30.25	0.0	30.8	13.2	25.93	8.8	30.38	0.0	30.33	5.8	26.73	4.2	28.29	2.1	30.27	3.3
26.45	0.0	28.75	0.0	28.04	0.0	24.99	0.0	29.55	0.0	29.95	0.0	24.87	0.0	27.45	0.0	29.96	0.0
24.83	0.0	27.85	0.0	27.14	0.0	23.26	0.0	28.7	0.0	29.41	0.0	22.77	0.0	25.93	0.0	29.66	0.0
23.46	0.0	26.95	0.0	25.8	0.0	22.2	0.0	28.19	0.0	28.89	0.0	21.2	0.0	24.65	0.0	29.21	0.0
22.23	0.0	26.4	0.0	24.79	0.0	21.16	0.0	27.52	0.0	28.53	0.0	19.76	0.0	22.98	0.0	24.91	0.0

* Latitude

İSTANBUL		İZMİR		KMARAŞ		KARAMAN		KARS		KASTAMONU		KAYSERİ		KIRIKKALE		KIRŞEHİR	
41.01*		38.24		37.35		37.11		40.36		41.22		38.43		39.50		39.09	
July 26		July 28		July 30		July 20		July 27		July 29		July 28		August 1		August 2	
T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2
24.24	0.0	28.18	0.0	27.55	0.0	22.17	0.0	17.17	0.0	18.49	0.0	19.8	0.0	24.32	0.0	24.36	0.0
23.91	0.0	27.73	0.0	26.65	0.0	21.09	0.0	16.48	0.0	17.38	0.0	18.58	0.0	23.41	0.0	22.42	0.0
23.85	0.0	27.55	0.0	25.75	0.0	20.05	0.0	15.25	0.0	16.61	0.0	17.68	0.0	22.27	0.0	21.52	0.0
23.49	0.0	27.35	0.0	25.04	0.0	18.94	0.0	13.92	0.0	15.9	0.0	16.41	0.0	21.37	0.0	20.79	0.0
23.23	1.3	27.15	0.4	24.33	0.6	17.95	1.1	13.15	0.0	15.37	1.2	15.7	0.6	20.58	0.6	20.23	1.6
23.89	38.4	27.35	29.5	24.48	15.3	18.25	48.3	12.77	29.5	15.32	35.7	16.65	40.8	20.84	37.0	19.92	55.5
26.28	156.7	28.75	148.4	25.54	126.9	21.94	183.3	14.45	143.4	17.62	154.8	20.1	169.3	23.3	172.9	22.17	208.5
28.04	332.4	30.75	338.8	28.2	355.9	25.06	357.8	17.97	265.8	21.66	313.4	23.41	343.2	26.07	335.8	25.21	388.2
29.59	477.7	32.57	513.9	32.18	523.4	28.71	524.0	22.28	420.6	25.2	447.2	27.4	523.4	29.2	488.5	28.92	523.4
30.98	600.1	34.32	659.1	34.48	649.0	31.08	660.4	24.85	548.1	27.85	569.1	29.98	662.9	31.6	618.7	31.74	627.2
32.51	690.9	36.12	762.5	36.25	725.2	33.4	753.1	27.01	639.4	30.12	654.1	32.37	748.0	34.33	708.0	33.66	723.2
33.73	732.7	37.54	820.9	38.95	796.1	34.67	804.4	29	694.7	33.04	682.6	34.57	806.3	36.13	765.3	34.96	765.9
34.39	739.4	38.51	815.8	40.33	791.7	35.97	812.0	30.34	671.8	35.05	675.0	35.97	817.0	37.51	758.3	36.01	753.7
34.57	706.4	39.19	782.2	41.02	737.1	36.75	768.2	31.29	622.9	36.31	591.9	36.72	776.5	38.53	735.9	36.41	726.7
34.33	610.9	39.57	692.1	41.5	656.0	36.97	666.1	31.85	537.9	36.76	494.2	36.78	643.3	38.44	623.4	36.67	603.6
33.83	506.3	38.95	556.4	39.65	524.7	37	548.7	31.35	432.7	36.03	398.3	36.79	491.6	38.57	522.6	36.44	462.3
33.23	385.7	37.79	379.4	37.75	319.1	35.97	411.1	30.65	295.0	34.59	256.9	36.59	369.9	37.97	372.2	35.84	335.9
31.83	217.0	36.41	212.5	34.85	126.2	34.64	248.7	28.91	166.9	32.74	151.7	35.49	207.5	37.23	225.6	35.01	186.7
29.82	83.1	34.69	59.0	32.84	38.1	32.2	70.4	25.05	62.0	30.52	36.6	32.98	58.4	35.2	66.2	33.2	53.2
28.62	11.5	33.31	4.0	31.88	2.1	29.78	3.1	23.05	3.9	27.64	1.1	29.67	3.0	33.04	2.1	30.39	0.9
27.42	0.0	32.3	0.0	31.36	0.0	28.22	0.0	21.72	0.0	25.5	0.0	27.75	0.0	31.19	0.0	27.72	0.0
26.79	0.0	31.61	0.0	30.15	0.0	27.06	0.0	20.43	0.0	23.24	0.0	25.63	0.0	29.81	0.0	26.8	0.0
26.4	0.0	30.55	0.0	29.27	0.0	25.48	0.0	19.54	0.0	21.44	0.0	24.11	0.0	28.59	0.0	26.11	0.0
25.84	0.0	29.79	0.0	28.4	0.0	24.43	0.0	18.45	0.0	20.43	0.0	22.6	0.0	27.4	0.0	24.91	0.0

* Latitude

KİLİS		KOCAELİ		KONYA		KÜTAHYA		MALATYA		MANİSA		MUĞLA		MUŞ		NEVŞEHİR	
36.44*		40.46		37.52		39.25		38.21		38.36		37.12		38.44		38.38	
August 2		July 28		July 24		July 31		July 20		July 20		July 27		July 20		July 24	
T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2
28.0	0.0	24.25	0.0	22.95	0.0	20.0	0.0	27.32	0.0	27.3	0.0	26.29	0.0	24.92	0.0	16.15	0.0
27.5	0.0	23.76	0.0	22.33	0.0	19.1	0.0	26.5	0.0	26.5	0.0	25.79	0.0	24.25	0.0	15.34	0.0
27.2	0.0	23.52	0.0	20.64	0.0	17.8	0.0	26.4	0.0	26.4	0.0	25.22	0.0	22.85	0.0	14.79	0.0
26.7	0.0	23.11	0.0	20.02	0.0	17.1	0.0	25.38	0.0	25.4	0.0	24.51	0.0	22.65	0.0	13.49	0.0
26.5	0.6	22.88	0.5	19.31	1.7	16.3	0.5	24.62	0.0	24.6	0.0	24.15	0.8	21.35	0.0	12.79	1.0
26.6	44.0	22.91	16.7	20.02	65.6	16.3	24.9	24.94	33.3	24.9	33.3	24.18	24.4	21.22	8.4	13.69	55.7
28.1	184.8	23.79	79.3	22.59	228.9	17.9	128.4	26.45	165.2	26.5	165.2	25.82	146.4	21.88	92.8	18.86	189.0
30.1	360.0	26.05	242.4	26.66	436.8	21.3	298.7	28.3	355.9	28.3	355.9	27.7	355.9	23.74	271.5	23.49	347.6
32.6	516.9	29.12	409.9	29.79	607.8	25.4	480.1	30.09	513.3	30.1	513.3	30.42	511.2	27.25	427.8	27.5	515.8
34.6	642.8	30.92	526.5	31.67	739.7	29.1	602.2	31.86	643.5	31.9	643.5	33.06	637.7	29.8	561.8	30.82	647.1
36.5	696.9	32.85	582.3	33.25	826.9	31.9	684.6	33.75	735.9	33.8	735.9	35.62	718.0	32.25	672.0	33.37	741.0
37.9	746.2	34.01	626.8	34.65	868.8	33.5	734.8	35.15	780.1	35.2	780.1	37.48	753.7	33.75	724.4	34.94	789.8
39.5	750.1	35.69	633.2	35.03	852.1	34.9	735.5	36.44	795.5	36.4	795.5	38.28	755.4	35.52	746.7	35.85	763.8
40.6	716.0	36.59	604.6	36.42	783.7	35.2	649.0	37.72	765.3	37.7	765.3	38.92	723.2	37.12	715.3	35.89	689.0
40.6	609.3	36.83	531.6	36.47	691.6	35.4	619.7	38.72	691.7	38.7	691.7	38.7	634.2	37.71	628.7	36.17	633.2
39.9	477.2	35.85	440.9	36.21	592.5	35.0	494.8	38.36	570.7	38.4	570.7	38.04	509.4	37.72	494.8	36.05	498.6
39.3	359.4	34.55	326.1	35.59	412.4	33.7	373.3	37.95	411.7	38.0	411.7	36.99	370.8	37.01	337.8	35.27	360.3
37.3	205.7	33.28	185.9	34.4	235.2	32.0	224.0	36.8	220.2	36.8	220.2	34.95	189.3	35.84	200.3	34.02	219.4
34.2	55.4	31.48	66.8	31.35	79.7	29.1	76.4	34.79	68.0	34.8	68.0	32.86	22.7	32.98	64.2	30.55	78.3
33.1	3.2	30.25	5.7	29.51	2.3	27.0	8.0	33.24	1.3	33.2	1.3	31.16	0.2	31.16	12.6	26.31	6.0
31.2	0.0	28.92	0.0	27.68	0.0	25.5	0.0	31.87	0.0	31.9	0.0	29.58	0.0	28.99	0.0	23.85	0.0
29.9	0.0	27.85	0.0	26.17	0.0	23.9	0.0	30.89	0.0	30.9	0.0	28.39	0.0	27.66	0.0	22.34	0.0
29.1	0.0	27.05	0.0	24.79	0.0	22.7	0.0	30.29	0.0	30.3	0.0	27.16	0.0	26.24	0.0	21.09	0.0
28.1	0.0	26.25	0.0	24.91	0.0	24.9	0.0	24.91	0.0	24.9	0.0	24.91	0.0	25.1	0.0	20.59	0.0

* Latitude

NİĞDE		ORDU		RİZE		SAKARYA		SAMSUN		SİİRT		SİNOP		SİVAS		TEKİRDAĞ	
37.59*		41.00		41.02		40.46		41.17		37.56		42.01		39.45		40.59	
July 16		August 9		July 30		July 17		July 21		July 29		August 6		July 17		July 23	
T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2	T_o °C	I W/m^2
21.52	0.0	23.51	0.0	23.06	0.0	22.2	0.0	23.98	0.0	29.43	0.0	24.2	0.0	20.6	0.0	22.87	0.0
20.69	0.0	23.47	0.0	22.78	0.0	21.73	0.0	23.78	0.0	28.82	0.0	24.1	0.0	19.6	0.0	22.65	0.0
19.98	0.0	23.44	0.0	22.48	0.0	21.71	0.0	24.06	0.0	28.54	0.0	24.1	0.0	18.6	0.0	22.24	0.0
19.54	0.0	23.42	0.0	22.47	0.0	21.33	0.0	24	0.0	27.99	0.0	24.0	0.0	17.7	0.0	22.07	0.0
18.75	0.6	23.25	0.2	22.05	1.4	20.96	1.4	24.36	2.1	27.6	0.0	23.8	0.0	16.8	1.1	21.86	0.8
18.98	43.2	23.46	18.8	22.96	37.9	21.41	33.7	24.25	53.6	27.94	29.8	24.0	16.0	16.6	37.9	22.49	38.3
20.89	214.5	25.06	124.1	24.72	135.1	22.91	153.5	26.12	183.3	29.74	144.7	24.7	57.7	18.5	189.0	24.75	165.6
24.75	413.0	27.24	276.0	26.71	289.3	26.22	336.8	27.71	359.0	32.03	304.5	25.7	223.3	22.0	366.7	26.19	316.6
28.33	591.3	28.57	406.3	27.93	447.2	28.95	485.9	28.95	492.3	34.31	436.5	26.7	432.7	25.5	525.9	27.5	464.4
30.62	738.4	28.71	532.7	28.66	565.2	31.26	595.0	29.53	634.4	36.55	548.7	27.6	563.4	28.6	650.3	28.22	584.3
32.4	842.5	29.49	666.1	29.38	642.6	33.44	685.7	29.65	703.5	37.95	623.6	28.7	657.2	31.7	742.3	28.6	668.6
33.65	904.6	29.98	711.8	29.9	679.5	35	718.8	29.76	738.4	39	662.4	29.2	711.8	33.3	781.0	29.15	705.4
34.65	920.6	30.27	704.0	30.32	662.4	36.53	706.1	29.15	714.9	39.75	660.4	29.4	722.6	34.6	782.2	29.77	682.0
35.44	890.7	30.45	656.8	30.49	605.8	37.13	649.6	29.15	703.5	40.34	598.3	29.9	672.5	35.4	716.2	30.71	632.5
35.67	810.1	30.25	576.9	30.9	544.3	36.74	553.1	29	567.8	40.6	548.1	29.4	583.0	36.1	643.3	32.44	544.9
35.76	657.2	29.73	434.2	30.79	411.1	35.55	430.1	28.82	437.8	40.76	448.5	28.7	461.2	35.6	483.4	31.95	453.0
34.88	489.1	28.67	269.0	30.22	281.7	34.05	298.8	28.08	301.9	39.85	313.4	28.0	309.6	34.6	381.9	31.99	355.9
33.83	310.9	28.03	138.1	29.3	145.3	32.68	163.1	27.58	192.8	38.4	154.8	27.1	178.9	33.0	218.2	31.16	212.5
31.75	109.7	26.87	37.5	27.94	26.5	30.86	50.2	26.57	64.7	36.2	39.3	26.3	55.2	30.3	80.3	29.41	59.6
29.98	10.8	26.05	2.3	27.25	1.7	29.18	1.3	25.99	8.8	33.99	0.0	25.7	8.5	28.4	5.1	27.66	9.1
28.19	0.0	25.15	0.0	26.84	0.0	27.4	0.0	25.19	0.0	32.98	0.0	25.2	0.0	27.0	0.0	26.59	0.0
27.18	0.0	24.65	0.0	26.53	0.0	26.28	0.0	24.78	0.0	31.88	0.0	25.0	0.0	25.6	0.0	25.59	0.0
25.72	0.0	24.35	0.0	26.43	0.0	24.99	0.0	24.48	0.0	31.54	0.0	24.6	0.0	24.1	0.0	24.94	0.0
24.91	0.0	23.94	0.0	25.99	0.0	24.12	0.0	23.95	0.0	31.02	0.0	24.4	0.0	23.0	0.0	24.38	0.0

* Latitude

TOKAT		TRABZON		TUNCELİ		URFA		UŞAK		VAN		YALOVA		YOZGAT		ZONGULDAK	
40.19*		41.00		39.07		37.08		38.41		38.28		40.39		39.50		41.27	
July 28		July 27		July 31		July 19		July 25		August 11		July 17		July 28		July 23	
T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2	T_o ^oC	I W/m^2
22.44	0.0	23.72	0.0	25.29	0.0	31.45	0.0	22.79	0.0	22.1	0.0	22.33	0.0	21.2	0.0	25.04	0.0
21.75	0.0	23.25	0.0	24.94	0.0	30.67	0.0	21.82	0.0	22.3	0.0	21.85	0.0	20.7	0.0	24.82	0.0
21.02	0.0	22.89	0.0	24.3	0.0	30.02	0.0	20.92	0.0	21.2	0.0	21.43	0.0	20.1	0.0	24.58	0.0
20.02	0.0	22.85	0.0	23.58	0.0	29.76	0.0	20.35	0.0	21.1	0.0	21.57	0.0	19.5	0.0	24.09	0.0
19.55	0.6	22.9	1.0	23.04	0.0	29.13	0.0	19.76	0.0	20.7	0.0	21.44	1.7	18.6	1.5	24.19	3.6
19.8	33.9	23.07	40.3	22.41	9.9	29.05	31.0	19.79	41.9	20.5	31.2	21.93	28.6	18.5	40.7	24.65	57.7
22.07	178.9	24.04	133.3	24.28	138.4	31.01	160.5	22.39	181.4	22.5	170.3	23.55	138.3	22.1	168.4	25.66	174.5
24.96	382.5	25.71	272.2	26.56	341.9	33.65	377.6	25.84	355.9	25.4	368.5	26.17	327.4	26.6	348.1	26.93	331.5
28.67	536.8	27.41	407.5	30.05	530.4	36.55	542.0	28.96	565.2	28.0	542.9	28.4	492.3	29.3	516.4	27.86	443.8
31.86	677.5	29.37	492.7	32.85	668.8	38.94	669.1	30.78	732.7	29.4	695.0	30.3	638.2	31.1	646.4	28.86	565.2
34.01	770.8	30.32	608.5	35.85	766.5	40.57	745.2	32.85	830.4	29.6	801.1	31.76	727.6	32.5	735.4	29.65	726.4
36.1	822.9	30.87	679.7	37.76	832.7	41.85	786.2	34.08	872.3	30.0	866.7	32.93	775.9	33.4	778.1	29.68	755.1
38.42	821.6	31.24	672.7	39.54	850.2	42.8	773.1	35.16	879.3	31.3	883.5	34.09	782.9	34.1	779.0	29.55	729.2
39.05	761.2	31.18	608.5	39.9	811.8	42.98	735.9	36.05	851.4	31.3	805.3	33.93	749.2	34.3	737.1	29.51	663.6
39.22	672.5	30.94	508.0	40.55	719.9	43.01	667.6	36.43	746.7	30.7	720.2	33.36	654.7	34.4	650.7	29.35	559.0
38.59	527.8	30.35	383.8	40.55	590.8	42.84	542.0	35.98	614.1	30.3	594.6	33.34	533.5	34.4	488.5	29.27	422.9
37.37	387.6	30.09	281.9	39.63	451.3	42.05	396.3	34.75	446.6	30.2	421.5	33.09	375.0	33.8	358.6	28.78	315.4
34.87	225.9	29.35	149.3	37.49	269.8	40.91	244.2	33.34	258.2	28.9	249.8	31.36	201.1	32.3	182.4	28.04	192.6
32.47	79.7	28.35	41.9	34.5	87.4	38.87	86.1	31.57	83.7	27.8	76.1	29.46	71.7	30.3	59.3	27.57	58.9
30.65	5.7	27.15	2.3	32.55	3.9	36.93	8.3	29.79	3.5	26.3	3.5	28.37	6.7	28.0	4.3	26.41	3.9
28.45	0.0	26.09	0.0	31.04	0.0	35.6	0.0	28	0.0	24.9	0.0	27.41	0.0	25.4	0.0	26.03	0.0
27.36	0.0	25.53	0.0	30.24	0.0	34.64	0.0	26.78	0.0	23.9	0.0	26.2	0.0	24.6	0.0	25	0.0
26.14	0.0	24.68	0.0	29.05	0.0	33.85	0.0	25.66	0.0	23.0	0.0	25.6	0.0	24.1	0.0	24.67	0.0
24.9	0.0	24.41	0.0	27.94	0.0	32.85	0.0	24.49	0.0	22.5	0.0	25.06	0.0	23.2	0.0	24.65	0.0

* Latitude

APPENDIX D

Total Equivalent Temperature Difference Values of the Cities

CITY : ADANA (36.59)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	10.6	8.6	10.4	8.4	10.3	8.3	10.2	8.2	10.1	8.1	10.1	8.0	10.0	8.0	9.9	7.9	9.8	7.8	10.0	7.9	10.4	8.1	10.7	8.4
NE	12.0	9.3	11.8	9.1	11.7	9.0	11.6	8.9	11.5	8.8	11.4	8.7	11.4	8.7	11.3	8.6	11.2	8.5	11.8	8.8	13.0	9.4	13.8	9.9
E	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.5	12.8	9.5	12.7	9.4	12.6	9.3	12.6	9.2	12.5	9.2	13.1	9.4	14.7	10.2	15.8	10.9
SE	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.8	9.5	12.8	9.4	12.7	9.3	12.6	9.3	12.5	9.2	12.8	9.3	13.9	9.9	15.1	10.6
S	12.2	9.4	12.1	9.2	11.9	9.1	11.8	9.0	11.8	9.0	11.7	8.9	11.6	8.8	11.5	8.7	11.5	8.6	11.5	8.6	11.7	8.8	12.3	9.2
SW	12.9	9.8	12.7	9.6	12.6	9.5	12.5	9.4	12.5	9.3	12.4	9.2	12.3	9.1	12.2	9.1	12.1	9.0	12.2	9.0	12.4	9.1	13.0	9.5
W	13.0	9.8	12.8	9.6	12.7	9.5	12.6	9.4	12.5	9.3	12.4	9.2	12.3	9.1	12.3	9.1	12.2	9.0	12.2	9.0	12.5	9.1	13.1	9.6
NW	11.8	9.2	11.6	9.0	11.5	8.9	11.4	8.8	11.4	8.7	11.3	8.7	11.2	8.6	11.1	8.5	11.0	8.4	11.1	8.4	11.3	8.6	11.9	9.0
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	11.2	8.9	11.1	8.9	11.0	8.8	11.0	8.8	10.9	8.7	10.9	8.7	10.9	8.7	10.9	8.6	10.9	8.6	10.8	8.6	10.9	8.6	11.0	8.7
NE	12.7	9.7	12.6	9.6	12.6	9.6	12.5	9.5	12.5	9.5	12.5	9.5	12.4	9.4	12.4	9.4	12.4	9.4	12.4	9.4	12.5	9.5	12.9	9.7
E	14.1	10.4	14.1	10.3	14.0	10.3	14.0	10.3	13.9	10.2	13.9	10.2	13.9	10.2	13.8	10.1	13.8	10.1	13.8	10.1	14.0	10.2	14.5	10.4
SE	14.1	10.4	14.1	10.4	14.0	10.3	14.0	10.3	13.9	10.2	13.9	10.2	13.9	10.2	13.9	10.1	13.8	10.1	13.8	10.1	13.9	10.1	14.3	10.3
S	12.9	9.8	12.9	9.8	12.8	9.7	12.8	9.7	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.5	12.6	9.5	12.6	9.5	12.6	9.5	12.7	9.5
SW	13.7	10.2	13.6	10.1	13.6	10.1	13.5	10.0	13.5	10.0	13.5	10.0	13.5	10.0	13.4	9.9	13.4	9.9	13.4	9.9	13.4	9.9	13.5	9.9
W	13.8	10.2	13.7	10.2	13.7	10.1	13.6	10.1	13.6	10.0	13.6	10.0	13.5	10.0	13.5	10.0	13.5	9.9	13.5	9.9	13.5	9.9	13.6	10.0
NW	12.5	9.6	12.4	9.5	12.4	9.5	12.3	9.4	12.3	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.3	9.3
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	11.1	8.9	11.0	8.8	10.9	8.7	10.9	8.7	10.8	8.6	10.8	8.6	10.8	8.6	10.7	8.5	10.7	8.5	10.7	8.5	10.7	8.5	10.9	8.6
NE	12.6	9.7	12.5	9.6	12.4	9.5	12.4	9.4	12.3	9.4	12.3	9.4	12.3	9.3	12.2	9.3	12.2	9.3	12.2	9.2	12.4	9.3	13.0	9.6
E	14.0	10.4	13.9	10.3	13.8	10.2	13.8	10.2	13.8	10.1	13.7	10.1	13.7	10.0	13.6	10.0	13.6	10.0	13.6	9.9	13.8	10.1	14.5	10.4
SE	14.0	10.4	13.9	10.3	13.9	10.2	13.8	10.2	13.8	10.1	13.7	10.1	13.7	10.0	13.7	10.0	13.6	10.0	13.6	9.9	13.7	10.0	14.2	10.2
S	12.9	9.8	12.8	9.7	12.7	9.6	12.6	9.6	12.6	9.5	12.6	9.5	12.5	9.4	12.5	9.4	12.5	9.4	12.4	9.4	12.4	9.3	12.5	9.4
SW	13.6	10.2	13.5	10.1	13.4	10.0	13.4	9.9	13.3	9.9	13.3	9.9	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.7	13.2	9.7	13.3	9.8
W	13.7	10.2	13.6	10.1	13.5	10.0	13.5	10.0	13.4	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.2	9.8	13.3	9.8	13.4	9.8
NW	12.4	9.6	12.3	9.5	12.2	9.4	12.2	9.3	12.1	9.3	12.1	9.3	12.1	9.2	12.0	9.2	12.0	9.2	12.0	9.1	12.0	9.1	12.1	9.2
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	11.1	8.9	10.9	8.8	10.8	8.7	10.8	8.6	10.7	8.6	10.7	8.5	10.6	8.5	10.6	8.4	10.6	8.4	10.5	8.4	10.6	8.4	10.8	8.5
NE	12.6	9.6	12.4	9.5	12.3	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.1	9.2	12.1	9.2	12.1	9.2	12.0	9.1	12.3	9.3	13.0	9.6
E	14.0	10.3	13.8	10.2	13.7	10.1	13.7	10.1	13.6	10.0	13.6	10.0	13.5	9.9	13.5	9.9	13.5	9.9	13.4	9.8	13.7	10.0	14.6	10.4
SE	14.0	10.4	13.8	10.2	13.7	10.1	13.7	10.1	13.6	10.0	13.6	10.0	13.5	9.9	13.5	9.9	13.5	9.9	13.4	9.8	13.6	9.9	14.2	10.2
S	12.8	9.8	12.7	9.7	12.6	9.6	12.5	9.5	12.5	9.4	12.4	9.4	12.4	9.4	12.3	9.3	12.3	9.3	12.3	9.2	12.3	9.2	12.4	9.3
SW	13.5	10.1	13.4	10.0	13.3	9.9	13.3	9.9	13.2	9.8	13.2	9.8	13.1	9.7	13.1	9.7	13.1	9.7	13.0	9.6	13.0	9.6	13.2	9.7
W	13.6	10.2	13.5	10.1	13.4	10.0	13.3	9.9	13.3	9.8	13.3	9.8	13.2	9.8	13.2	9.7	13.1	9.7	13.1	9.7	13.1	9.6	13.2	9.7
NW	12.4	9.5	12.3	9.4	12.2	9.3	12.1	9.3	12.0	9.2	12.0	9.2	12.0	9.1	11.9	9.1	11.9	9.1	11.8	9.0	11.8	9.0	12.0	9.1
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	15.8	9.3	15.7	9.2	15.7	9.2	15.7	9.1	15.7	9.1	15.6	9.1	15.6	9.1	15.6	9.1	15.6	9.0	15.6	9.0	15.8	9.2	16.3	9.4

Hours 13–24

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	11.3	8.8	11.9	9.3	12.4	9.7	12.8	10.0	13.2	10.3	13.2	10.4	13.3	10.5	13.1	10.4	12.6	10.0	12.3	9.8	11.5	9.3	10.8	8.8
NE	14.2	10.3	14.2	10.4	14.0	10.5	14.2	10.7	14.6	11.0	14.6	11.0	14.7	11.2	14.5	11.1	14.0	10.7	13.5	10.4	12.7	9.9	12.2	9.5
E	16.5	11.4	16.7	11.7	16.5	11.7	16.0	11.6	15.9	11.7	15.9	11.7	16.0	11.9	15.8	11.8	15.3	11.4	14.8	11.1	14.0	10.6	13.5	10.2
SE	16.1	11.2	16.7	11.7	16.9	11.9	16.7	12.0	16.4	12.0	15.9	11.7	16.0	11.9	15.8	11.8	15.3	11.4	14.8	11.1	14.0	10.6	13.5	10.2
S	13.4	9.9	14.4	10.5	15.2	11.1	15.7	11.5	16.1	11.8	15.9	11.7	15.7	11.7	15.1	11.4	14.2	10.9	13.7	10.5	13.0	10.0	12.5	9.6
SW	13.6	10.0	14.2	10.4	14.7	10.8	15.7	11.5	16.7	12.1	17.2	12.3	17.4	12.6	17.2	12.5	16.4	12.0	15.4	11.4	13.9	10.5	13.2	10.0
W	13.7	10.0	14.3	10.5	14.8	10.9	15.2	11.2	16.0	11.7	16.8	12.2	17.5	12.6	17.6	12.7	17.1	12.3	16.2	11.8	14.2	10.7	13.2	10.0
NW	12.5	9.4	13.1	9.9	13.6	10.3	14.0	10.6	14.4	10.9	14.5	11.0	15.3	11.5	15.6	11.6	15.3	11.4	14.7	11.0	13.0	10.1	12.1	9.4
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	11.1	8.8	11.3	8.9	11.5	9.1	11.7	9.2	11.8	9.3	11.9	9.4	11.9	9.4	11.9	9.5	11.9	9.4	11.7	9.3	11.6	9.3	11.4	9.1
NE	13.2	9.8	13.3	9.9	13.3	10.0	13.2	10.0	13.3	10.1	13.4	10.2	13.4	10.2	13.5	10.2	13.4	10.2	13.3	10.1	13.1	10.0	12.9	9.8
E	14.9	10.7	15.1	10.8	15.1	10.9	15.1	10.9	14.9	10.9	14.9	10.9	14.9	10.9	14.9	11.0	14.9	10.9	14.7	10.8	14.5	10.7	14.3	10.5
SE	14.6	10.6	15.0	10.8	15.1	10.9	15.2	11.0	15.2	11.0	15.1	11.0	14.9	10.9	14.9	11.0	14.9	10.9	14.7	10.8	14.5	10.7	14.3	10.5
S	12.9	9.7	13.2	9.9	13.6	10.1	13.8	10.3	14.0	10.4	14.1	10.5	14.0	10.5	14.0	10.5	13.8	10.4	13.5	10.2	13.3	10.1	13.1	9.9
SW	13.7	10.1	13.9	10.2	14.1	10.4	14.2	10.5	14.5	10.7	14.9	10.9	15.0	11.0	15.1	11.0	15.0	11.0	14.8	10.8	14.5	10.7	14.0	10.4
W	13.7	10.1	13.9	10.2	14.1	10.4	14.3	10.5	14.4	10.6	14.7	10.8	14.9	10.9	15.2	11.1	15.2	11.1	15.0	11.0	14.7	10.8	14.1	10.5
NW	12.5	9.4	12.6	9.6	12.8	9.7	13.0	9.9	13.1	10.0	13.2	10.1	13.3	10.1	13.5	10.3	13.6	10.3	13.5	10.2	13.3	10.1	12.8	9.8
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	11.0	8.7	11.3	8.9	11.6	9.1	11.8	9.3	12.0	9.4	12.1	9.6	12.1	9.6	12.2	9.6	12.1	9.6	11.9	9.4	11.8	9.4	11.4	9.1
NE	13.3	9.8	13.5	10.0	13.5	10.1	13.4	10.1	13.5	10.2	13.6	10.3	13.6	10.3	13.7	10.4	13.6	10.4	13.4	10.2	13.2	10.1	12.8	9.8
E	15.0	10.7	15.3	10.9	15.4	11.0	15.3	11.0	15.1	11.0	15.0	11.0	15.1	11.0	15.1	11.1	15.0	11.1	14.8	10.9	14.6	10.8	14.2	10.5
SE	14.7	10.6	15.2	10.8	15.4	11.0	15.5	11.1	15.4	11.2	15.3	11.2	15.1	11.0	15.1	11.1	15.0	11.1	14.8	10.9	14.6	10.8	14.3	10.5
S	12.8	9.6	13.3	9.9	13.7	10.2	14.1	10.4	14.3	10.6	14.4	10.7	14.4	10.7	14.3	10.7	14.0	10.6	13.6	10.3	13.4	10.2	13.1	10.0
SW	13.6	10.0	13.8	10.2	14.1	10.4	14.3	10.5	14.7	10.8	15.2	11.1	15.4	11.2	15.5	11.3	15.4	11.2	15.1	11.0	14.6	10.8	14.0	10.4
W	13.6	10.0	13.9	10.2	14.1	10.4	14.4	10.6	14.6	10.7	14.9	11.0	15.3	11.1	15.6	11.3	15.6	11.4	15.4	11.2	15.0	11.0	14.1	10.5
NW	12.4	9.4	12.6	9.6	12.9	9.8	13.1	9.9	13.3	10.1	13.4	10.2	13.5	10.3	13.8	10.5	14.0	10.5	13.8	10.4	13.6	10.3	12.8	9.8
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	11.0	8.7	11.3	8.9	11.6	9.1	11.9	9.3	12.1	9.5	12.3	9.7	12.3	9.7	12.4	9.8	12.2	9.7	12.0	9.5	11.8	9.4	11.4	9.1
NE	13.4	9.9	13.6	10.0	13.6	10.1	13.5	10.1	13.6	10.3	13.8	10.4	13.8	10.4	13.8	10.5	13.7	10.5	13.5	10.3	13.2	10.1	12.8	9.8
E	15.2	10.7	15.5	11.0	15.6	11.1	15.5	11.1	15.2	11.1	15.2	11.1	15.2	11.1	15.2	11.2	15.1	11.2	14.9	11.0	14.6	10.8	14.2	10.5
SE	14.8	10.6	15.3	10.9	15.6	11.1	15.7	11.3	15.6	11.3	15.5	11.3	15.2	11.1	15.2	11.2	15.1	11.2	14.9	11.0	14.6	10.8	14.2	10.6
S	12.7	9.5	13.3	9.9	13.8	10.2	14.2	10.5	14.5	10.7	14.7	10.9	14.6	10.8	14.5	10.8	14.2	10.7	13.7	10.4	13.4	10.2	13.1	10.0
SW	13.5	9.9	13.8	10.1	14.1	10.4	14.4	10.6	14.9	10.9	15.4	11.2	15.6	11.4	15.8	11.5	15.7	11.4	15.3	11.2	14.7	10.9	13.9	10.4
W	13.5	9.9	13.9	10.2	14.2	10.4	14.4	10.6	14.6	10.8	15.1	11.1	15.5	11.3	15.9	11.5	15.9	11.6	15.7	11.4	15.2	11.1	14.2	10.5
NW	12.3	9.3	12.6	9.5	12.9	9.8	13.2	10.0	13.4	10.2	13.6	10.3	13.7	10.4	14.1	10.6	14.2	10.7	14.1	10.6	13.7	10.4	12.9	9.9
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	16.7	9.7	17.1	9.9	17.4	10.1	17.6	10.2	17.7	10.3	17.6	10.3	17.5	10.3	17.2	10.1	16.9	9.9	16.5	9.7	16.1	9.5	15.9	9.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY : ADANA (36.59)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	9.9	8.1	9.7	7.9	9.5	7.7	9.4	7.6	9.2	7.5	9.1	7.3	9.0	7.2	8.9	7.1	9.2	7.2	9.8	7.5	10.3	8.0	11.3	8.7	12.3	9.5	13.1	10.2	13.8	10.7	14.4	11.2	14.4	11.2	14.6	11.5	14.3	11.3	13.4	10.7	13.0	10.4	11.6	9.5	10.5	8.7	10.2	8.4
NE	11.1	8.7	10.9	8.5	10.8	8.3	10.6	8.2	10.5	8.1	10.4	7.9	10.3	7.8	10.1	7.7	11.0	8.1	13.1	9.2	14.4	10.0	15.0	10.6	15.0	10.8	14.6	10.9	15.0	11.3	15.6	11.8	15.7	11.9	15.9	12.1	15.5	12.0	14.7	11.4	13.8	10.8	12.6	10.0	11.8	9.4	11.4	9.0
E	12.3	9.3	12.1	9.1	11.9	8.9	11.8	8.8	11.7	8.7	11.5	8.5	11.4	8.4	11.3	8.3	12.3	8.7	14.8	10.1	16.7	11.2	17.9	12.0	18.1	12.4	17.8	12.5	17.0	12.3	16.8	12.4	16.8	12.4	17.0	12.7	16.7	12.5	15.8	11.9	15.0	11.4	13.8	10.6	13.0	9.9	12.6	9.6
SE	12.3	9.3	12.1	9.1	11.9	8.9	11.8	8.8	11.7	8.7	11.5	8.5	11.5	8.4	11.3	8.3	11.8	8.5	13.6	9.5	15.6	10.6	17.2	11.7	18.1	12.4	18.5	12.8	18.2	12.9	17.8	12.9	16.9	12.5	17.0	12.7	16.7	12.6	15.9	11.9	15.0	11.4	13.8	10.6	13.0	10.0	12.6	9.6
S	11.3	8.8	11.1	8.6	11.0	8.4	10.9	8.3	10.7	8.2	10.6	8.0	10.5	8.0	10.3	7.8	10.4	7.8	10.8	8.0	11.8	8.7	13.5	9.8	15.1	10.9	16.5	11.8	17.3	12.4	17.9	13.0	17.6	12.9	17.3	12.9	16.3	12.4	14.9	11.5	14.0	10.9	12.8	10.1	12.0	9.5	11.6	9.1
SW	11.9	9.1	11.8	8.9	11.6	8.7	11.5	8.6	11.3	8.5	11.2	8.3	11.1	8.3	11.0	8.1	11.0	8.1	11.4	8.3	12.4	9.0	13.4	9.8	14.3	10.5	15.2	11.2	16.8	12.2	18.4	13.2	19.2	13.6	19.7	14.0	19.3	13.8	18.0	13.0	16.4	12.1	13.9	10.6	12.6	9.8	12.3	9.4
W	12.0	9.1	11.8	9.0	11.6	8.8	11.5	8.7	11.4	8.5	11.2	8.4	11.1	8.3	11.0	8.2	11.1	8.1	11.5	8.4	12.5	9.1	13.4	9.8	14.4	10.5	15.3	11.2	15.9	11.7	17.2	12.6	18.6	13.3	19.7	14.1	19.9	14.2	19.1	13.6	17.6	12.7	14.4	10.9	12.7	9.8	12.3	9.5
NW	11.0	8.6	10.8	8.4	10.6	8.3	10.5	8.2	10.3	8.0	10.2	7.9	10.1	7.8	10.0	7.6	10.0	7.6	10.4	7.8	11.4	8.5	12.4	9.3	13.4	10.0	14.2	10.7	14.9	11.2	15.5	11.7	15.7	11.9	17.0	12.7	17.4	12.9	17.0	12.5	16.0	11.9	13.2	10.3	11.6	9.3	11.3	8.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.3	9.0	11.2	8.9	11.2	8.9	11.2	8.9	11.1	8.9	11.1	8.8	11.1	8.8	11.1	8.8	11.1	8.8	11.1	8.8	11.1	8.8	11.1	8.8	11.2	8.8	11.2	8.9	11.3	8.9	11.4	9.0	11.5	9.1	11.5	9.1	11.6	9.2	11.6	9.2	11.6	9.2	11.6	9.2	11.5	9.1	11.5	9.1
NE	12.9	9.8	12.8	9.7	12.8	9.7	12.7	9.7	12.7	9.7	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.6	9.6	12.7	9.6	12.9	9.7	13.1	9.8	13.1	9.8	13.1	9.9	13.1	9.9	13.1	9.9	13.2	10.0	13.2	10.0	13.2	10.0	13.2	10.0	13.1	9.9	13.0	9.9
E	14.4	10.5	14.3	10.5	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.1	10.3	14.1	10.3	14.1	10.3	14.2	10.4	14.5	10.5	14.6	10.6	14.7	10.7	14.8	10.7	14.7	10.7	14.7	10.7	14.6	10.7	14.6	10.7	14.7	10.7	14.6	10.7	14.6	10.7	14.5	10.6
SE	14.4	10.5	14.3	10.5	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.1	10.3	14.1	10.3	14.1	10.3	14.2	10.3	14.3	10.4	14.5	10.5	14.7	10.6	14.8	10.7	14.8	10.7	14.8	10.8	14.7	10.8	14.6	10.7	14.7	10.7	14.6	10.7	14.6	10.7	14.5	10.6
S	13.1	9.9	13.1	9.9	13.0	9.8	13.0	9.8	13.0	9.8	13.0	9.8	13.0	9.8	12.9	9.7	12.9	9.7	12.9	9.7	12.9	9.7	12.9	9.7	13.0	9.7	13.0	9.8	13.2	9.9	13.4	10.0	13.5	10.1	13.6	10.2	13.6	10.2	13.6	10.2	13.6	10.2	13.5	10.1	13.3	10.1	13.3	10.0
SW	14.0	10.3	13.9	10.3	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.7	10.2	13.7	10.1	13.7	10.1	13.7	10.1	13.7	10.1	13.7	10.1	13.7	10.1	13.8	10.2	13.9	10.3	14.0	10.3	14.1	10.4	14.3	10.5	14.4	10.6	14.5	10.6	14.5	10.7	14.5	10.7	14.4	10.6	14.2	10.5
W	14.1	10.4	13.9	10.3	13.9	10.3	13.9	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.1	13.8	10.1	13.8	10.2	13.9	10.2	14.0	10.3	14.1	10.4	14.2	10.4	14.2	10.5	14.4	10.6	14.5	10.6	14.6	10.7	14.6	10.7	14.5	10.7	14.4	10.6
NW	12.8	9.7	12.6	9.6	12.6	9.6	12.5	9.6	12.5	9.6	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.4	9.5	12.4	9.5	12.5	9.5	12.6	9.6	12.7	9.6	12.8	9.7	12.8	9.8	12.9	9.8	13.0	9.9	13.0	9.9	13.1	10.0	13.2	10.0	13.1	9.9	13.0	9.9
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	11.1	8.9	11.0	8.8	10.9	8.7	10.8	8.7	10.8	8.6	10.7	8.6	10.7	8.5	10.7	8.5	10.6	8.5	10.6	8.4	10.7	8.5	10.9	8.5	11.0	8.7	11.3	8.9	11.6	9.1	11.8	9.3	12.0	9.5	12.2	9.6	12.2	9.6	12.3	9.7	12.2	9.7	11.9	9.5	11.8	9.4	11.4	9.1
NE	12.6	9.7	12.5	9.6	12.4	9.5	12.3	9.4	12.3	9.3	12.2	9.3	12.2	9.3	12.2	9.2	12.1	9.2	12.1	9.2	12.4	9.3	13.0	9.6	13.3	9.8	13.5	10.0	13.5	10.1	13.4	10.1	13.5	10.2	13.7	10.4	13.7	10.4	13.8	10.5	13.7	10.4	13.4	10.2	13.2	10.1	12.8	9.8
E	14.0	10.4	13.9	10.3	13.8	10.2	13.7	10.1	13.7	10.1	13.6	10.0	13.6	10.0	13.6	9.9	13.5	9.9	13.5	9.9	13.8	10.0	14.5	10.4	15.1	10.7	15.4	11.0	15.5	11.1	15.4	11.1	15.2	11.0	15.1	11.1	15.1	11.1	15.2	11.2	15.1	11.1	14.8	10.9	14.6	10.8	14.2	10.5
SE	14.0	10.4	13.9	10.3	13.8	10.2	13.7	10.1	13.7	10.1	13.7	10.0	13.6	10.0	13.6	9.9	13.5	9.9	13.5	9.9	13.6	9.9	14.2	10.2	14.8	10.6	15.2	10.9	15.5	11.1	15.6	11.2	15.5	11.2	15.4	11.2	15.1	11.1	15.2	11.2	15.1	11.1	14.8	11.0	14.6	10.8	14.2	10.6
S	12.8	9.8	12.7	9.7	12.6	9.6	12.6	9.5	12.5	9.5	12.5	9.4	12.4	9.4	12.4	9.4	12.4	9.3	12.3	9.3	12.3	9.3	12.5	9.4	12.8	9.6	13.3	9.9	13.8	10.2	14.2	10.5	14.4	10.7	14.6	10.8	14.5	10.8	14.4	10.8	14.1	10.6	13.7	10.4	13.4	10.2	13.1	10.0
SW	13.6	10.2	13.5	10.1	13.4	10.0	13.3	9.9	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.2	9.7	13.5	9.9	13.8	10.2	14.1	10.4	14.3	10.6	14.8	10.9	15.3	11.2	15.5	11.3	15.7	11.4	15.5	11.4	15.2	11.1	14.7	10.8	13.9	10.4
W	13.6	10.2	13.5	10.1	13.4	10.0	13.4	9.9	13.3	9.9	13.3	9.9	13.3	9.8	13.2	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.3	9.8	13.6	10.0	13.9	10.2	14.2	10.4	14.4	10.6	14.6	10.8	15.0	11.0	15.4	11.2	15.7	11.5	15.8	11.5	15.6	11.3	15.1	11.0	14.1	10.5
NW	12.4	9.6	12.3	9.5	12.2	9.4	12.1	9.3	12.1	9.3	12.0	9.2	12.0	9.2	12.0	9.1	11.9	9.1	11.9	9.1	11.9	9.1	12.0	9.1	12.3	9.3	12.6	9.6	12.9	9.8	13.2	10.0	13.3	10.1	13.5	10.3	13.6	10.3	14.0	10.6	14.1	10.6	14.0	10.5	13.7	10.3	12.9	9.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.3	9.0	11.2	9.0	11.2	8.9	11.2	8.9	11.2	8.9	11.2	8.9	11.2	8.9	11.1	8.8	11.1	8.8	11.1	8.8	11.1	8.8	11.1	8.8	11.2	8.9	11.2	8.9	11.3	8.9	11.4	9.0	11.4	9.1	11.5	9.1	11.5	9.1	11.5	9.1	11.6	9.2	11.5	9.2	11.5	9.1	11.4	9.1
NE	12.9	9.8	12.8	9.7	12.8	9.7	12.8	9.7	12.8	9.7	12.7	9.7	12.7	9.7	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.8	9.6	12.9	9.7	13.0	9.8	13.1	9.8	13.1	9.9	13.0	9.9	13.1	9.9	13.1	9.9	13.1	9.9	13.1	10.0	13.1	9.9	13.0	9.9	13.0	9.9
E	14.4	10.5	14.3	10.5	14.3	10.5	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.4	10.5	14.6	10.6	14.7	10.6	14.7	10.7	14.7	10.7	14.6	10.7	14.6	10.7	14.6	10.7	14.6	10.7	14.6	10.7	14.5	10.6	14.5	10.6
SE	14.4	10.5	14.3	10.5	14.3	10.5	14.3	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.2	10.4	14.4	10.4	14.5	10.5	14.6	10.6	14.7	10.7	14.7	10.7	14.7	10.7	14.7	10.7	14.6	10.7	14.6	10.7	14.6	10.7	14.5	10.6	14.5	10.6
S	13.2	9.9	13.1	9.9	13.1	9.8	13.0	9.8	13.0	9.8	13.0	9.8	13.0	9.8	13.0	9.8	13.0	9.8	13.0	9.8	13.0	9.7	13.0	9.7	13.0	9.8	13.1	9.8	13.2	9.9	13.3	10.0	13.4	10.1	13.5	10.1	13.5	10.2	13.5	10.1	13.5	10.1	13.4	10.1	13.3	10.0	13.2	10.0
SW	14.0	10.3	13.9	10.3	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.7	10.1	13.7	10.1	13.8	10.2	13.9	10.2	13.9	10.3	14.0	10.3	14.1	10.4	14.2	10.5	14.3	10.5	14.4	10.6	14.4	10.6	14.4	10.6	14.3	10.5	14.2	10.5
W	14.1	10.4	13.9	10.3	13.9	10.3	13.9	10.3	13.9	10.2	13.9	10.2	13.9	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.9	10.2	13.9	10.2	14.0	10.3	14.1	10.4	14.2	10.4	14.2	10.5	14.3	10.5	14.4	10.6	14.5	10.6	14.5	10.6	14.5	10.6	14.3	10.5
NW	12.7	9.7	12.6	9.6	12.6	9.6	12.6	9.6	12.6	9.6	12.5	9.6	12.5	9.6	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.6	9.6	12.7	9.6	12.8	9.7	12.8	9.7	12.9	9.8	12.9	9.8	12.9	9.8	13.0	9.9	13.1	9.9	13.0	9.9	13.0	9.8
	R2 - 12cm Concrete+2 cm plaster																																															
R	8.3	4.8	8.1	4.6	7.8	4.2	7.5	3.9	7.3	3.8	7.0	3.5	7.4	3.6	10.2	5.0	15.1	7.9	20.3	11.0	24.8	13.8	28.4	16.1	30.6	17.6	31.8	18.7	31.0	18.3	29.5	18.0	26.5	16.5	22.2	13.9	17.8	11.5	12.9	8.6	10.5	6.9	9.8	6.2	9.1	5.6	8.7	5.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY : ADIYAMAN (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	15.0	12.6	14.8	12.4	14.6	12.3	14.5	12.1	14.4	12.0	14.2	11.8	14.2	11.8	14.1	11.7	13.9	11.5	13.9	11.5	14.0	11.5	14.7	12.0	15.5	12.6	16.3	13.2	16.9	13.7	17.4	14.1	17.6	14.3	17.7	14.4	17.7	14.4	17.5	14.3	17.2	14.2	17.0	14.0	16.4	13.6	17.3	13.9
NE	14.9	12.5	14.7	12.3	14.5	12.2	14.4	12.1	14.3	12.0	14.1	11.7	14.1	11.7	14.0	11.6	13.8	11.5	13.8	11.4	13.9	11.5	14.7	12.0	16.1	12.9	16.8	13.5	17.1	13.8	17.3	14.0	17.5	14.3	17.6	14.3	17.6	14.4	17.4	14.3	17.1	14.1	16.7	13.8	16.1	13.5	15.3	12.9
E	15.4	12.8	15.2	12.6	15.1	12.5	15.0	12.3	14.8	12.2	14.6	12.0	14.6	12.0	14.5	11.9	14.4	11.8	14.3	11.7	14.5	11.8	15.4	12.3	17.1	13.4	17.9	14.1	18.3	14.4	18.3	14.6	18.1	14.5	18.1	14.6	18.1	14.6	17.9	14.6	17.6	14.4	17.2	14.1	16.6	13.7	15.8	13.2
SE	15.4	12.8	15.2	12.6	15.1	12.5	14.9	12.3	14.8	12.2	14.6	12.0	14.6	12.0	14.5	11.9	14.4	11.7	14.3	11.7	14.4	11.8	15.2	12.3	16.7	13.2	17.7	14.0	18.3	14.4	18.6	14.7	18.6	14.8	18.2	14.6	18.1	14.6	17.9	14.5	17.6	14.4	17.2	14.1	16.6	13.7	15.8	13.1
S	15.4	12.8	15.1	12.6	15.0	12.4	14.9	12.3	14.8	12.2	14.6	12.0	14.5	12.0	14.4	11.9	14.3	11.7	14.2	11.7	14.3	11.7	15.0	12.1	15.9	12.8	16.9	13.5	17.7	14.1	18.4	14.6	18.7	14.9	18.7	14.9	18.6	14.9	18.2	14.7	17.6	14.4	17.1	14.1	16.6	13.7	15.7	13.1
SW	16.6	13.4	16.4	13.2	16.3	13.1	16.2	12.9	16.0	12.8	15.8	12.6	15.8	12.6	15.7	12.5	15.6	12.4	15.5	12.3	15.6	12.4	16.3	12.8	17.1	13.4	17.9	14.1	18.5	14.5	19.1	15.0	19.8	15.4	20.2	15.6	20.5	15.8	20.6	15.9	20.3	15.7	19.6	15.3	18.3	14.6	18.7	14.6
W	17.6	13.9	17.3	13.7	17.2	13.5	17.1	13.4	17.0	13.3	16.8	13.1	16.8	13.1	16.6	13.0	16.5	12.8	16.5	12.8	16.5	12.8	17.2	13.3	18.0	13.9	18.8	14.5	19.4	15.0	19.9	15.4	20.2	15.6	20.8	15.9	21.3	16.2	21.7	16.4	21.7	16.4	21.3	16.2	19.7	15.3	22.3	16.4
NW	16.8	13.5	16.6	13.3	16.4	13.1	16.3	13.0	16.2	12.9	16.0	12.7	16.0	12.7	15.9	12.6	15.7	12.4	15.7	12.4	15.8	12.4	16.4	12.9	17.2	13.5	18.1	14.1	18.7	14.6	19.2	15.0	19.4	15.2	19.5	15.3	19.8	15.5	20.2	15.7	20.3	15.7	20.1	15.6	18.8	14.8	21.6	16.1
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	16.2	13.2	15.5	12.8	15.4	12.7	15.4	12.7	15.3	12.7	15.3	12.6	15.2	12.6	15.2	12.6	15.2	12.5	15.1	12.5	15.1	12.5	15.2	12.5	15.4	12.6	15.6	12.8	15.9	13.0	16.1	13.2	16.2	13.3	16.3	13.4	16.3	13.4	16.3	13.4	16.3	13.4	16.2	13.3	16.1	13.3	15.9	13.1
NE	15.5	12.9	15.4	12.8	15.3	12.7	15.2	12.6	15.2	12.6	15.2	12.6	15.1	12.5	15.1	12.5	15.1	12.5	15.0	12.4	15.0	12.4	15.0	12.4	15.3	12.6	15.8	12.9	16.0	13.1	16.1	13.2	16.1	13.2	16.2	13.3	16.2	13.3	16.2	13.3	16.2	13.3	16.1	13.3	15.9	13.2	15.7	13.0
E	16.1	13.2	16.0	13.1	15.9	13.0	15.8	12.9	15.8	12.9	15.8	12.9	15.7	12.8	15.7	12.8	15.7	12.8	15.6	12.7	15.6	12.7	15.6	12.7	15.9	12.9	16.5	13.2	16.8	13.5	16.9	13.6	16.9	13.6	16.8	13.6	16.8	13.6	16.8	13.6	16.8	13.6	16.7	13.6	16.5	13.5	16.3	13.4
SE	16.1	13.2	16.0	13.1	15.9	13.0	15.8	12.9	15.8	12.9	15.8	12.9	15.7	12.8	15.7	12.8	15.7	12.8	15.6	12.7	15.6	12.7	15.6	12.7	15.9	12.9	16.4	13.2	16.7	13.4	16.9	13.6	17.0	13.7	17.0	13.7	16.9	13.6	16.8	13.6	16.8	13.6	16.7	13.6	16.5	13.5	16.3	13.3
S	16.0	13.1	15.9	13.0	15.8	12.9	15.8	12.9	15.7	12.9	15.7	12.8	15.6	12.8	15.6	12.8	15.6	12.7	15.5	12.7	15.5	12.7	15.5	12.7	15.8	12.8	16.0	13.0	16.4	13.3	16.6	13.5	16.8	13.6	17.0	13.7	17.0	13.7	16.9	13.7	16.8	13.6	16.6	13.5	16.4	13.4	16.3	13.3
SW	18.0	14.1	17.3	13.7	17.2	13.7	17.2	13.6	17.1	13.6	17.1	13.5	17.0	13.5	17.0	13.5	17.0	13.4	17.0	13.4	16.9	13.4	17.0	13.4	17.2	13.5	17.5	13.7	17.7	13.9	17.9	14.1	18.1	14.2	18.3	14.4	18.5	14.4	18.5	14.5	18.6	14.5	18.5	14.5	18.3	14.3	17.8	14.1
W	19.8	15.0	18.3	14.2	18.3	14.2	18.2	14.1	18.2	14.1	18.1	14.0	18.1	14.0	18.1	14.0	18.0	13.9	18.0	13.9	18.0	13.9	18.0	13.9	18.2	14.0	18.5	14.2	18.7	14.4	18.9	14.6	19.1	14.7	19.2	14.8	19.4	14.9	19.5	15.0	19.7	15.1	19.6	15.0	19.5	15.0	19.0	14.7
NW	19.0	14.6	17.5	13.8	17.4	13.7	17.3	13.7	17.3	13.7	17.3	13.6	17.2	13.5	17.2	13.5	17.2	13.5	17.1	13.5	17.1	13.5	17.1	13.5	17.3	13.6	17.6	13.8	17.9	14.0	18.1	14.2	18.2	14.3	18.3	14.4	18.3	14.4	18.4	14.4	18.6	14.5	18.6	14.5	18.5	14.5	18.1	14.2
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	16.4	13.3	15.4	12.8	15.3	12.7	15.2	12.6	15.2	12.6	15.1	12.5	15.0	12.4	15.0	12.4	15.0	12.4	14.9	12.3	14.9	12.3	15.0	12.3	15.3	12.5	15.6	12.8	15.9	13.1	16.2	13.3	16.4	13.4	16.5	13.5	16.6	13.6	16.6	13.6	16.5	13.5	16.4	13.5	16.3	13.4	16.0	13.2
NE	15.4	12.9	15.3	12.7	15.2	12.6	15.1	12.6	15.1	12.5	15.0	12.5	14.9	12.4	14.9	12.4	14.9	12.3	14.8	12.3	14.8	12.2	14.8	12.3	15.2	12.5	15.8	12.9	16.1	13.1	16.2	13.3	16.3	13.4	16.4	13.5	16.4	13.5	16.4	13.5	16.4	13.5	16.2	13.4	16.0	13.3	15.8	13.1
E	16.0	13.2	15.9	13.0	15.8	12.9	15.7	12.9	15.7	12.8	15.6	12.8	15.5	12.7	15.5	12.7	15.5	12.6	15.4	12.6	15.4	12.5	15.4	12.6	15.8	12.8	16.6	13.3	17.0	13.6	17.1	13.7	17.1	13.8	17.0	13.8	17.0	13.8	17.0	13.8	17.0	13.8	16.8	13.7	16.6	13.6	16.4	13.4
SE	16.0	13.2	15.9	13.0	15.8	12.9	15.7	12.9	15.7	12.8	15.6	12.8	15.5	12.7	15.5	12.7	15.5	12.6	15.4	12.6	15.4	12.5	15.4	12.6	15.8	12.8	16.4	13.2	16.9	13.5	17.1	13.7	17.3	13.9	17.2	13.9	17.1	13.8	17.0	13.8	17.0	13.8	16.8	13.7	16.6	13.6	16.4	13.4
S	16.0	13.1	15.8	13.0	15.7	12.9	15.6	12.8	15.6	12.8	15.5	12.7	15.4	12.6	15.4	12.6	15.4	12.6	15.3	12.5	15.3	12.5	15.3	12.5	15.6	12.7	16.0	13.0	16.5	13.3	16.8	13.6	17.1	13.8	17.3	13.9	17.3	13.9	17.2	13.9	17.0	13.8	16.8	13.7	16.6	13.5	16.3	13.4
SW	18.1	14.2	17.2	13.7	17.1	13.6	17.0	13.5	17.0	13.5	16.9	13.4	16.8	13.3	16.8	13.3	16.8	13.3	16.7	13.2	16.7	13.2	16.7	13.2	17.0	13.4	17.4	13.7	17.7	14.0	18.0	14.2	18.3	14.3	18.6	14.5	18.8	14.6	18.9	14.7	18.9	14.7	18.8	14.7	18.5	14.5	17.9	14.2
W	20.3	15.3	18.2	14.2	18.1	14.1	18.0	14.0	18.0	14.0	17.9	13.9	17.8	13.8	17.8	13.8	17.8	13.8	17.7	13.7	17.7	13.7	17.8	13.7	18.0	13.9	18.4	14.2	18.7	14.5	19.0	14.7	19.2	14.8	19.3	14.9	19.6	15.1	19.8	15.2	20.0	15.3	20.0	15.3	19.8	15.2	19.1	14.8
NW	19.5	14.9	17.3	13.8	17.2	13.7	17.2	13.6	17.1	13.5	17.1	13.5	17.0	13.4	17.0	13.4	16.9	13.4	16.9	13.3	16.9	13.3	16.9	13.3	17.2	13.5	17.5	13.7	17.9	14.0	18.2	14.2	18.4	14.4	18.5	14.5	18.5	14.5	18.7	14.6	18.8	14.7	18.9	14.7	18.8	14.7	18.2	14.3
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	16.5	13.4	15.3	12.8	15.2	12.6	15.2	12.6	15.1	12.5	15.0	12.4	14.9	12.3	14.9	12.3	14.9	12.3	14.8	12.2	14.8	12.2	14.8	12.2	15.2	12.4	15.6	12.7	16.0	13.1	16.3	13.3	16.6	13.5	16.7	13.7	16.7	13.7	16.7	13.7	16.6	13.7	16.5	13.6	16.4	13.5	16.1	13.3
NE	15.4	12.9	15.2	12.7	15.1	12.6	15.0	12.5	15.0	12.4	14.9	12.4	14.8	12.3	14.8	12.3	14.7	12.2	14.7	12.1	14.6	12.1	14.7	12.1	15.1	12.4	15.9	12.9	16.2	13.2	16.4	13.4	16.5	13.5	16.6	13.6	16.6	13.6	16.6	13.6	16.5	13.6	16.4	13.5	16.1	13.4	15.8	13.2
E	16.0	13.2	15.8	13.0	15.7	12.9	15.6	12.8	15.6	12.7	15.5	12.7	15.4	12.6	15.4	12.6	15.3	12.5	15.2	12.4	15.2	12.4	15.3	12.4	15.8	12.7	16.7	13.3	17.1	13.6	17.3	13.8	17.3	13.9	17.2	13.9	17.2	13.9	17.2	13.9	17.1	13.9	17.0	13.8	16.7	13.7	16.4	13.5
SE	16.0	13.2	15.8	13.0	15.7	12.9	15.6	12.8	15.5	12.7	15.5	12.7	15.4	12.6	15.4	12.6	15.3	12.5	15.2	12.4	15.2	12.4	15.3	12.4	15.7	12.7	16.5	13.2	17.0	13.6	17.3	13.8	17.5	14.0	17.4	14.0	17.3	13.9	17.2	13.9	17.1	13.9	16.9	13.8	16.7	13.7	16.4	13.5
S	15.9	13.1	15.7	12.9	15.6	12.8	15.5	12.8	15.5	12.7	15.4	12.6	15.3	12.5	15.3	12.5	15.2	12.5	15.2	12.4	15.1	12.4	15.2	12.4	15.5	12.6	16.0	12.9	16.5	13.3	17.0	13.7	17.3	13.9	17.5	14.0	17.5	14.1	17.4	14.0	17.2	13.9	16.9	13.8	16.6	13.6	16.3	13.4
SW	18.2	14.3	17.1	13.6	17.0	13.5	16.9	13.5	16.9	13.4	16.8	13.3	16.7	13.2	16.7	13.2	16.6	13.2	16.6	13.1	16.5	13.1	16.6	13.1	16.9	13.3	17.4	13.6	17.8	14.0	18.1	14.2	18.4	14.4	18.8	14.7	19.0	14.8	19.1	14.9	19.2	14.9	19.0	14.8	18.7	14.6	18.0	14.2
W	20.6	15.4	18.1	14.1	18.0	14.0	17.9	14.0	17.8	13.9	17.8	13.8	17.7	13.7	17.7	13.7	17.6	13.7	17.5	13.6	17.5	13.6	17.6	13.6	17.9	13.8	18.3	14.1	18.8	14.5	19.1	14.7	19.3	14.9	19.5	15.0	19.8	15.2	20.1	15.4	20.3	15.5	20.2	15.4	20.0	15.3	19.2	14.9
NW	19.8	15.0	17.3	13.7	17.1	13.6	17.1	13.5	17.0	13.5	16.9	13.4	16.8	13.3	16.8	13.3	16.8	13.2	16.7	13.2	16.7	13.1	16.7	13.2	17.1	13.4	17.5	13.7	17.9	14.0	18.2	14.3	18.5	14.5	18.6	14.6	18.7	14.6	18.9	14.8	19.0	14.9	19.1	14.9	19.0	14.8	18.3	14.4
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	18.0	12.1	17.9	12.1	17.9	12.0	17.8	12.0	17.8	12.0	17.8	11.9	17.8	11.9	17.7	11.9	17.7	11.8	17.7	11.8	17.7	11.8	18.0	12.0	18.4	12.3	18.8	12.5	19.1	12.7	19.3	12.8	19.4	12.9	19.4	12.9	19.3	12.9	19.2	12.9	19.0	12.7	18.7	12.6	18.4	12.4	18.1	12.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY : ADIYAMAN (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	14.1	12.0	13.8	11.7	13.6	11.5	13.4	11.3	13.0	10.9	13.0	10.9	12.8	10.7	12.5	10.4	12.5	10.4	12.7	10.5	13.9	11.3	15.3	12.3	16.7	13.5	17.8	14.3	18.7	15.0	19.2	15.4	19.3	15.5	19.2	15.6	18.9	15.5	18.4	15.1	18.0	14.9	17.0	14.2	18.6	14.7	14.4	12.4
NE	14.0	11.9	13.7	11.7	13.5	11.5	13.3	11.2	12.9	10.9	12.9	10.9	12.7	10.7	12.4	10.4	12.4	10.3	12.6	10.4	14.1	11.4	16.6	13.0	17.8	14.0	18.3	14.6	18.6	15.0	19.1	15.4	19.2	15.5	19.1	15.5	18.8	15.4	18.3	15.1	17.5	14.6	16.5	13.9	15.1	12.9	14.4	12.3
E	14.4	12.2	14.2	11.9	14.0	11.7	13.8	11.5	13.4	11.1	13.4	11.1	13.2	10.9	12.9	10.6	12.9	10.6	13.1	10.7	14.7	11.7	17.7	13.5	19.3	14.7	19.9	15.4	20.0	15.7	19.5	15.6	19.6	15.7	19.6	15.8	19.3	15.6	18.8	15.3	18.0	14.9	17.0	14.2	15.5	13.1	14.8	12.5
SE	14.4	12.1	14.2	11.9	13.9	11.7	13.7	11.5	13.4	11.1	13.4	11.1	13.2	10.9	12.9	10.6	12.8	10.6	13.0	10.6	14.5	11.6	17.1	13.3	18.9	14.6	20.0	15.4	20.5	16.0	20.4	16.1	19.8	15.8	19.6	15.8	19.3	15.6	18.7	15.3	18.0	14.9	16.9	14.2	15.5	13.1	14.8	12.5
S	14.4	12.1	14.1	11.9	13.9	11.7	13.7	11.5	13.3	11.1	13.3	11.1	13.1	10.9	12.8	10.6	12.8	10.5	12.9	10.6	14.1	11.4	15.7	12.5	17.5	13.9	19.0	14.9	20.2	15.8	20.8	16.2	20.8	16.3	20.5	16.2	19.9	15.9	18.8	15.4	17.9	14.8	16.9	14.1	15.5	13.1	14.8	12.5
SW	15.5	12.7	15.3	12.4	15.0	12.2	14.8	12.0	14.4	11.6	14.4	11.6	14.2	11.4	14.0	11.2	13.9	11.1	14.1	11.2	15.2	11.9	16.7	13.0	18.2	14.2	19.3	15.1	20.3	15.8	21.5	16.6	22.3	17.0	22.8	17.3	22.9	17.4	22.3	17.1	21.2	16.5	18.9	15.1	19.6	15.2	15.9	13.1
W	16.3	13.1	16.1	12.8	15.8	12.6	15.6	12.4	15.2	12.0	15.2	12.0	15.0	11.8	14.8	11.6	14.7	11.5	14.9	11.6	16.0	12.3	17.5	13.4	19.0	14.6	20.1	15.5	20.9	16.1	21.4	16.5	22.5	17.1	23.4	17.7	24.1	18.0	24.0	18.0	23.3	17.5	20.5	15.9	25.2	18.0	16.7	13.5
NW	15.6	12.7	15.4	12.5	15.1	12.3	14.9	12.1	14.6	11.7	14.6	11.7	14.4	11.5	14.1	11.2	14.0	11.2	14.2	11.2	15.4	12.0	16.8	13.1	18.3	14.3	19.4	15.1	20.2	15.8	20.7	16.2	20.8	16.3	21.5	16.7	22.1	17.0	22.3	17.1	21.9	16.8	19.7	15.5	24.6	17.7	16.0	13.1
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	15.8	13.0	16.0	13.1	15.6	12.9	15.6	12.8	15.5	12.8	15.5	12.8	15.5	12.8	15.5	12.7	15.5	12.7	15.4	12.7	15.4	12.7	15.4	12.7	15.4	12.7	15.5	12.8	15.7	12.9	15.8	13.0	15.9	13.0	16.0	13.1	16.0	13.1	16.0	13.1	16.0	13.2	16.0	13.1	15.9	13.1	15.9	13.1
NE	15.7	12.9	15.5	12.9	15.5	12.8	15.4	12.8	15.4	12.8	15.4	12.7	15.4	12.7	15.3	12.7	15.3	12.7	15.3	12.7	15.3	12.6	15.3	12.6	15.3	12.6	15.4	12.7	15.7	12.9	15.8	13.0	15.8	13.0	15.8	13.0	15.9	13.1	15.9	13.1	15.9	13.1	15.9	13.1	15.8	13.1	15.7	13.0
E	16.3	13.3	16.1	13.2	16.1	13.1	16.1	13.1	16.0	13.1	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	15.9	13.0	15.9	12.9	15.9	12.9	15.9	13.0	16.1	13.0	16.3	13.2	16.5	13.3	16.5	13.4	16.5	13.4	16.5	13.4	16.5	13.4	16.5	13.4	16.5	13.4	16.4	13.4	16.4	13.3
SE	16.3	13.3	16.1	13.2	16.1	13.1	16.1	13.1	16.0	13.1	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	15.9	13.0	15.9	12.9	15.9	12.9	15.9	13.0	16.1	13.0	16.3	13.2	16.5	13.3	16.5	13.4	16.6	13.4	16.6	13.4	16.5	13.4	16.5	13.4	16.5	13.4	16.4	13.4	16.4	13.3
S	16.2	13.2	16.1	13.1	16.0	13.1	16.0	13.0	15.9	13.0	15.9	13.0	15.9	13.0	15.9	12.9	15.9	12.9	15.9	12.9	15.8	12.9	15.8	12.9	15.8	12.9	15.9	13.0	16.1	13.1	16.2	13.2	16.4	13.3	16.5	13.4	16.5	13.4	16.5	13.4	16.5	13.4	16.5	13.4	16.4	13.3	16.3	13.3
SW	17.7	14.0	17.8	14.0	17.5	13.8	17.4	13.8	17.4	13.7	17.4	13.7	17.4	13.7	17.3	13.7	17.3	13.7	17.3	13.7	17.3	13.6	17.3	13.6	17.3	13.6	17.4	13.7	17.5	13.8	17.7	13.9	17.8	14.0	17.8	14.0	18.0	14.1	18.0	14.2	18.1	14.2	18.1	14.2	18.0	14.2	17.9	14.1
W	18.8	14.5	19.3	14.7	18.5	14.3	18.5	14.3	18.4	14.3	18.4	14.3	18.4	14.2	18.4	14.2	18.4	14.2	18.4	14.2	18.3	14.2	18.3	14.2	18.3	14.2	18.4	14.2	18.6	14.3	18.7	14.4	18.8	14.5	18.9	14.6	18.9	14.6	19.0	14.6	19.1	14.7	19.2	14.7	19.2	14.7	19.1	14.7
NW	17.9	14.1	18.4	14.3	17.6	13.9	17.6	13.8	17.6	13.8	17.5	13.8	17.5	13.8	17.5	13.8	17.5	13.8	17.5	13.7	17.4	13.7	17.4	13.7	17.5	13.7	17.6	13.8	17.7	13.9	17.8	14.0	17.9	14.1	18.0	14.1	18.0	14.2	18.0	14.2	18.1	14.2	18.2	14.2	18.2	14.2	18.1	14.2
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	16.5	13.4	15.4	12.8	15.3	12.7	15.2	12.6	15.1	12.5	15.1	12.5	15.0	12.4	15.0	12.4	14.9	12.3	14.8	12.2	14.8	12.2	14.9	12.2	15.2	12.5	15.6	12.8	16.0	13.1	16.3	13.3	16.5	13.5	16.6	13.6	16.7	13.6	16.7	13.6	16.6	13.6	16.4	13.5	16.3	13.5	16.1	13.3
NE	15.4	12.9	15.2	12.7	15.1	12.6	15.1	12.5	15.0	12.5	15.0	12.4	14.8	12.3	14.8	12.3	14.8	12.3	14.7	12.2	14.7	12.2	14.8	12.2	15.2	12.4	15.8	12.9	16.2	13.2	16.3	13.3	16.4	13.4	16.5	13.5	16.5	13.6	16.5	13.6	16.5	13.5	16.3	13.5	16.1	13.3	15.8	13.1
E	16.0	13.2	15.8	13.0	15.7	12.9	15.7	12.8	15.6	12.8	15.5	12.7	15.4	12.6	15.4	12.6	15.4	12.6	15.3	12.5	15.3	12.5	15.4	12.5	15.8	12.8	16.6	13.3	17.0	13.6	17.2	13.8	17.2	13.9	17.1	13.8	17.1	13.9	17.1	13.9	17.1	13.8	16.9	13.8	16.7	13.6	16.4	13.4
SE	16.0	13.2	15.8	13.0	15.7	12.9	15.7	12.8	15.6	12.8	15.5	12.7	15.4	12.6	15.4	12.6	15.4	12.6	15.3	12.5	15.3	12.5	15.3	12.5	15.7	12.7	16.5	13.2	17.0	13.6	17.2	13.8	17.4	13.9	17.4	14.0	17.2	13.9	17.1	13.9	17.0	13.8	16.9	13.8	16.7	13.6	16.4	13.4
S	15.9	13.1	15.7	13.0	15.6	12.9	15.6	12.8	15.5	12.7	15.5	12.7	15.4	12.6	15.4	12.6	15.3	12.5	15.2	12.4	15.2	12.4	15.3	12.4	15.6	12.7	16.0	13.0	16.5	13.3	16.9	13.6	17.2	13.8	17.4	14.0	17.4	14.0	17.3	14.0	17.1	13.9	16.9	13.7	16.6	13.6	16.3	13.4
SW	18.2	14.2	17.1	13.7	17.0	13.6	17.0	13.5	16.9	13.4	16.9	13.4	16.8	13.3	16.8	13.3	16.7	13.2	16.6	13.1	16.6	13.1	16.6	13.1	17.0	13.3	17.4	13.6	17.8	14.0	18.1	14.2	18.3	14.4	18.7	14.6	18.9	14.7	19.0	14.8	19.1	14.8	18.9	14.8	18.6	14.6	18.0	14.2
W	20.4	15.4	18.1	14.2	18.0	14.0	18.0	14.0	17.9	13.9	17.8	13.9	17.7	13.8	17.7	13.8	17.7	13.7	17.6	13.6	17.6	13.6	17.6	13.6	18.0	13.8	18.4	14.1	18.8	14.5	19.1	14.7	19.3	14.9	19.4	15.0	19.7	15.2	20.0	15.3	20.2	15.4	20.1	15.4	19.9	15.3	19.2	14.8
NW	19.6	15.0	17.3	13.7	17.2	13.6	17.1	13.6	17.1	13.5	17.0	13.4	16.9	13.3	16.9	13.3	16.8	13.3	16.8	13.2	16.8	13.2	16.8	13.2	17.1	13.4	17.5	13.7	17.9	14.0	18.2	14.3	18.4	14.5	18.6	14.6	18.6	14.6	18.8	14.7	19.0	14.8	19.0	14.8	18.9	14.7	18.3	14.4
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	15.8	13.0	15.9	13.0	15.6	12.9	15.6	12.8	15.6	12.8	15.5	12.8	15.5	12.8	15.5	12.8	15.5	12.8	15.5	12.8	15.5	12.7	15.5	12.7	15.5	12.7	15.6	12.8	15.7	12.9	15.8	13.0	15.9	13.0	15.9	13.1	15.9	13.1	16.0	13.1	16.0	13.1	15.9	13.1	15.9	13.1	15.9	13.1
NE	15.6	12.9	15.5	12.9	15.5	12.8	15.5	12.8	15.4	12.8	15.4	12.8	15.4	12.7	15.4	12.7	15.4	12.7	15.4	12.7	15.3	12.7	15.3	12.7	15.4	12.7	15.5	12.7	15.6	12.9	15.7	12.9	15.8	13.0	15.8	13.0	15.8	13.0	15.8	13.0	15.8	13.0	15.8	13.0	15.8	13.0	15.7	13.0
E	16.3	13.2	16.2	13.2	16.1	13.1	16.1	13.1	16.1	13.1	16.0	13.1	16.0	13.1	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	16.1	13.1	16.3	13.2	16.4	13.3	16.5	13.3	16.5	13.4	16.4	13.3	16.5	13.4	16.5	13.4	16.4	13.4	16.4	13.3	16.3	13.3
SE	16.3	13.2	16.2	13.2	16.1	13.1	16.1	13.1	16.1	13.1	16.0	13.1	16.0	13.1	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	16.0	13.0	16.1	13.1	16.3	13.2	16.4	13.3	16.5	13.3	16.5	13.4	16.5	13.4	16.5	13.4	16.5	13.4	16.4	13.3	16.4	13.3	16.3	13.3
S	16.2	13.2	16.1	13.1	16.0	13.1	16.0	13.1	16.0	13.0	16.0	13.0	15.9	13.0	15.9	13.0	15.9	13.0	15.9	13.0	15.9	12.9	15.9	12.9	15.9	12.9	16.0	13.0	16.1	13.1	16.2	13.2	16.3	13.3	16.4	13.3	16.5	13.4	16.5	13.4	16.4	13.4	16.4	13.3	16.3	13.3	16.2	13.2
SW	17.7	14.0	17.8	14.0	17.5	13.8	17.5	13.8	17.4	13.8	17.4	13.8	17.4	13.7	17.4	13.7	17.4	13.7	17.4	13.7	17.4	13.7	17.3	13.7	17.4	13.7	17.4	13.7	17.5	13.8	17.7	13.9	17.7	14.0	17.8	14.0	17.9	14.1	17.9	14.1	18.0	14.1	18.0	14.1	18.0	14.1	17.9	14.1
W	18.8	14.5	19.1	14.7	18.5	14.3	18.5	14.3	18.5	14.3	18.5	14.3	18.5	14.3	18.4	14.2	18.4	14.2	18.4	14.2	18.4	14.2	18.4	14.2	18.4	14.2	18.5	14.3	18.6	14.3	18.7	14.4	18.8	14.5	18.8	14.5	18.9	14.6	19.0	14.6	19.0	14.6	19.1	14.7	19.1	14.7	19.0	14.6
NW	17.9	14.1	18.3	14.2	17.6	13.9	17.6	13.9	17.6	13.9	17.6	13.8	17.6	13.8	17.5	13.8	17.5	13.8	17.5	13.8	17.5	13.8	17.5	13.8	17.5	13.8	17.6	13.8	17.7	13.9	17.8	14.0	17.9	14.0	18.0	14.1	18.0	14.1	18.0	14.1	18.0	14.2	18.1	14.2	18.1	14.2	18.1	14.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	11.2	8.0	10.8	7.6	10.0	6.9	10.0	6.9	9.7	6.5	9.1	6.0	9.0	5.8	9.6	6.1	13.2	8.3	18.9	11.8	23.9	15.2	27.8	17.7	30.7	19.7	32.3	20.7	32.4	20.9	31.6	20.6	30.1	19.9	27.1	18.4	23.5	16.4	18.8	13.7	14.5	10.9	12.8	9.6	12.1	8.9	11.6	8.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :AFYON (38.45)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.0	4.9	6.8	4.7	6.6	4.5	6.4	4.3	6.2	4.2	5.9	3.8	5.6	3.6	5.5	3.5	5.4	3.4	5.3	3.3	5.7	3.5	6.6	4.1	7.0	4.5	7.7	5.0	8.2	5.5	8.7	5.9	9.0	6.1	9.2	6.4	9.3	6.5	9.3	6.5	9.0	6.3	8.7	6.1	8.5	5.9	8.0	5.5
NE	8.3	5.5	8.1	5.4	7.9	5.2	7.7	5.0	7.5	4.8	7.2	4.4	7.0	4.2	6.8	4.1	6.7	4.0	6.7	3.9	7.3	4.3	8.9	5.3	10.2	6.1	10.7	6.6	10.6	6.7	10.2	6.6	10.3	6.8	10.5	7.0	10.6	7.1	10.6	7.1	10.3	7.0	9.9	6.8	9.4	6.4	8.7	5.9
E	9.7	6.3	9.6	6.1	9.4	5.9	9.2	5.7	9.0	5.5	8.6	5.2	8.4	5.0	8.3	4.8	8.2	4.7	8.1	4.7	8.8	5.0	10.7	6.1	12.5	7.2	13.4	7.9	13.5	8.2	13.1	8.1	12.3	7.8	12.0	7.8	12.1	7.9	12.0	7.8	11.8	7.7	11.4	7.5	10.9	7.1	10.2	6.6
SE	9.7	6.3	9.6	6.1	9.4	5.9	9.2	5.7	9.0	5.6	8.6	5.2	8.4	5.0	8.3	4.8	8.2	4.7	8.1	4.7	8.5	4.9	10.0	5.8	11.7	6.8	12.9	7.6	13.5	8.1	13.6	8.3	13.3	8.3	12.7	8.1	12.1	7.9	12.0	7.8	11.8	7.7	11.4	7.5	10.9	7.1	10.2	6.6
S	8.6	5.7	8.4	5.5	8.2	5.4	8.0	5.2	7.9	5.0	7.5	4.6	7.3	4.4	7.2	4.3	7.1	4.2	7.0	4.1	7.2	4.2	8.0	4.8	8.6	5.3	9.8	6.1	10.9	6.8	11.7	7.4	12.2	7.8	12.4	7.9	12.1	7.8	11.6	7.6	11.0	7.4	10.3	6.9	9.7	6.6	9.0	6.0
SW	9.5	6.1	9.3	6.0	9.1	5.8	8.9	5.6	8.7	5.4	8.4	5.0	8.1	4.8	8.0	4.7	7.9	4.6	7.8	4.5	8.1	4.7	8.8	5.2	9.5	5.7	10.2	6.3	10.7	6.7	11.2	7.1	12.2	7.8	13.1	8.3	13.5	8.5	13.4	8.5	13.4	8.5	12.9	8.2	11.9	7.6	10.8	6.9
W	9.8	6.3	9.6	6.1	9.4	5.9	9.2	5.7	9.0	5.6	8.7	5.2	8.4	5.0	8.3	4.9	8.2	4.8	8.1	4.7	8.4	4.8	9.1	5.3	9.8	5.9	10.5	6.4	11.0	6.9	11.5	7.3	11.8	7.5	12.5	8.0	13.4	8.5	13.7	8.7	14.1	8.9	13.9	8.8	13.1	8.3	12.2	7.6
NW	8.5	5.7	8.4	5.5	8.2	5.3	8.0	5.1	7.8	5.0	7.4	4.6	7.2	4.4	7.1	4.3	7.0	4.1	6.9	4.1	7.1	4.2	7.9	4.7	8.6	5.3	9.2	5.8	9.8	6.3	10.3	6.7	10.6	6.9	10.8	7.2	11.1	7.3	11.6	7.6	11.9	7.8	12.0	7.8	11.5	7.5	10.9	7.0
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	7.5	5.1	7.2	4.9	7.1	4.9	7.1	4.8	7.0	4.7	7.0	4.7	6.8	4.6	6.8	4.5	6.7	4.4	6.7	4.4	6.7	4.4	6.8	4.5	7.1	4.6	7.2	4.8	7.4	5.0	7.6	5.1	7.8	5.2	7.8	5.3	7.9	5.4	8.0	5.4	7.9	5.4	7.9	5.4	7.7	5.3	7.7	5.2
NE	8.8	5.7	8.7	5.6	8.6	5.6	8.5	5.5	8.5	5.5	8.4	5.4	8.3	5.3	8.2	5.2	8.2	5.2	8.2	5.1	8.1	5.1	8.3	5.2	8.9	5.5	9.3	5.8	9.4	6.0	9.4	6.0	9.3	6.0	9.3	6.0	9.4	6.1	9.4	6.1	9.4	6.1	9.3	6.1	9.2	6.0	9.0	5.9
E	10.4	6.6	10.3	6.4	10.2	6.4	10.2	6.3	10.1	6.3	10.1	6.2	9.9	6.1	9.9	6.0	9.8	6.0	9.8	6.0	9.8	5.9	10.0	6.0	10.6	6.4	11.2	6.8	11.5	7.0	11.5	7.1	11.4	7.0	11.1	6.9	11.0	6.9	11.1	7.0	11.0	7.0	11.0	6.9	10.8	6.8	10.6	6.7
SE	10.4	6.6	10.3	6.5	10.2	6.4	10.2	6.3	10.1	6.3	10.1	6.2	9.9	6.1	9.9	6.0	9.8	6.0	9.8	6.0	9.8	5.9	9.9	6.0	10.4	6.3	10.9	6.6	11.3	6.9	11.5	7.0	11.5	7.1	11.4	7.1	11.2	7.0	11.1	7.0	11.0	7.0	11.0	6.9	10.8	6.8	10.7	6.7
S	9.2	5.9	9.0	5.8	9.0	5.8	8.9	5.7	8.9	5.6	8.8	5.6	8.7	5.5	8.6	5.4	8.6	5.4	8.5	5.3	8.5	5.3	8.6	5.4	8.8	5.5	9.0	5.7	9.4	6.0	9.8	6.2	10.0	6.4	10.2	6.5	10.2	6.5	10.1	6.5	10.0	6.4	9.8	6.4	9.6	6.2	9.4	6.1
SW	10.4	6.6	10.0	6.3	9.9	6.2	9.9	6.2	9.8	6.1	9.7	6.1	9.6	5.9	9.5	5.9	9.5	5.8	9.5	5.8	9.5	5.8	9.5	5.8	9.8	6.0	10.0	6.2	10.2	6.3	10.4	6.5	10.5	6.6	10.9	6.8	11.2	7.0	11.3	7.1	11.2	7.1	11.2	7.1	11.1	7.0	10.8	6.8
W	11.1	6.9	10.3	6.5	10.3	6.4	10.2	6.3	10.1	6.3	10.1	6.2	10.0	6.1	9.9	6.0	9.8	6.0	9.8	6.0	9.8	5.9	9.9	6.0	10.1	6.2	10.3	6.3	10.5	6.5	10.7	6.7	10.9	6.8	11.0	6.9	11.2	7.0	11.5	7.2	11.6	7.2	11.7	7.3	11.7	7.3	11.4	7.1
NW	9.7	6.2	9.0	5.8	8.9	5.7	8.8	5.7	8.8	5.6	8.7	5.6	8.6	5.4	8.5	5.4	8.5	5.3	8.5	5.3	8.4	5.3	8.5	5.3	8.7	5.5	9.0	5.7	9.2	5.8	9.4	6.0	9.5	6.1	9.6	6.2	9.7	6.3	9.8	6.3	9.9	6.4	10.1	6.5	10.1	6.5	9.9	6.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.6	5.2	7.2	4.9	7.1	4.8	7.0	4.7	6.9	4.7	6.8	4.6	6.7	4.4	6.6	4.3	6.5	4.3	6.5	4.2	6.5	4.2	6.6	4.3	7.0	4.6	7.2	4.7	7.5	5.0	7.7	5.2	7.9	5.3	8.0	5.5	8.1	5.5	8.2	5.6	8.2	5.6	8.1	5.5	7.9	5.4	7.8	5.4
NE	8.8	5.8	8.6	5.6	8.5	5.5	8.4	5.5	8.3	5.4	8.3	5.3	8.1	5.1	8.0	5.0	8.0	5.0	7.9	5.0	7.9	4.9	8.2	5.1	8.9	5.5	9.4	5.9	9.7	6.1	9.6	6.1	9.4	6.1	9.5	6.2	9.6	6.3	9.6	6.3	9.6	6.3	9.5	6.2	9.3	6.2	9.1	6.0
E	10.4	6.6	10.2	6.4	10.1	6.3	10.0	6.3	9.9	6.2	9.9	6.1	9.7	5.9	9.6	5.8	9.6	5.8	9.5	5.8	9.5	5.7	9.8	5.9	10.6	6.4	11.4	6.8	11.8	7.1	11.9	7.2	11.7	7.2	11.3	7.1	11.2	7.1	11.2	7.1	11.2	7.1	11.1	7.1	10.9	7.0	10.7	6.8
SE	10.4	6.6	10.2	6.4	10.1	6.3	10.0	6.3	9.9	6.2	9.9	6.1	9.7	5.9	9.6	5.8	9.6	5.8	9.5	5.8	9.5	5.7	9.7	5.8	10.3	6.2	11.0	6.7	11.6	7.0	11.8	7.2	11.9	7.3	11.7	7.3	11.5	7.2	11.2	7.1	11.2	7.1	11.1	7.1	10.9	7.0	10.7	6.8
S	9.1	5.9	9.0	5.8	8.9	5.7	8.8	5.7	8.7	5.6	8.7	5.5	8.5	5.3	8.4	5.2	8.3	5.2	8.3	5.1	8.3	5.1	8.4	5.2	8.7	5.4	9.0	5.6	9.5	6.0	10.0	6.3	10.3	6.5	10.5	6.7	10.6	6.8	10.5	6.7	10.3	6.6	10.0	6.5	9.7	6.3	9.5	6.2
SW	10.5	6.6	9.9	6.3	9.8	6.2	9.7	6.1	9.6	6.0	9.6	5.9	9.4	5.8	9.3	5.7	9.3	5.6	9.2	5.6	9.2	5.6	9.3	5.6	9.6	5.9	9.9	6.1	10.2	6.3	10.4	6.5	10.6	6.7	11.1	7.0	11.5	7.2	11.6	7.3	11.6	7.3	11.6	7.3	11.4	7.2	11.0	6.9
W	11.3	7.0	10.2	6.4	10.1	6.4	10.1	6.3	10.0	6.2	9.9	6.1	9.7	6.0	9.6	5.9	9.6	5.8	9.5	5.8	9.5	5.7	9.6	5.8	9.9	6.0	10.2	6.2	10.5	6.5	10.8	6.7	11.0	6.9	11.1	7.0	11.4	7.2	11.8	7.4	11.9	7.5	12.1	7.6	12.0	7.5	11.7	7.3
NW	9.9	6.3	8.9	5.8	8.8	5.7	8.7	5.6	8.6	5.5	8.6	5.5	8.4	5.3	8.3	5.2	8.3	5.1	8.2	5.1	8.2	5.1	8.3	5.1	8.6	5.4	8.9	5.6	9.2	5.8	9.4	6.0	9.6	6.2	9.8	6.3	9.9	6.4	10.0	6.5	10.2	6.6	10.4	6.7	10.4	6.7	10.2	6.5
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	7.7	5.2	7.1	4.9	7.0	4.8	6.9	4.7	6.8	4.6	6.7	4.5	6.6	4.3	6.4	4.2	6.4	4.2	6.3	4.1	6.3	4.1	6.5	4.2	6.9	4.5	7.2	4.7	7.5	5.0	7.8	5.2	8.0	5.4	8.2	5.6	8.3	5.7	8.4	5.7	8.3	5.7	8.2	5.7	8.0	5.5	7.9	5.4
NE	8.8	5.8	8.5	5.6	8.4	5.5	8.3	5.4	8.2	5.3	8.2	5.2	8.0	5.0	7.9	4.9	7.8	4.9	7.7	4.8	7.7	4.8	8.0	4.9	8.9	5.5	9.6	5.9	9.8	6.1	9.8	6.2	9.5	6.2	9.6	6.3	9.7	6.4	9.8	6.4	9.7	6.4	9.6	6.4	9.4	6.2	9.1	6.0
E	10.3	6.6	10.1	6.4	10.0	6.3	9.9	6.2	9.8	6.1	9.7	6.0	9.5	5.8	9.4	5.7	9.4	5.7	9.3	5.6	9.3	5.6	9.6	5.7	10.6	6.3	11.6	6.9	12.0	7.2	12.1	7.4	11.9	7.3	11.5	7.2	11.3	7.2	11.4	7.2	11.3	7.2	11.2	7.2	11.0	7.0	10.7	6.8
SE	10.3	6.6	10.1	6.4	10.0	6.3	9.9	6.2	9.8	6.1	9.7	6.0	9.6	5.8	9.4	5.7	9.4	5.7	9.3	5.6	9.3	5.6	9.5	5.7	10.3	6.2	11.1	6.7	11.8	7.1	12.1	7.4	12.1	7.5	12.0	7.4	11.7	7.3	11.4	7.2	11.3	7.2	11.2	7.2	11.0	7.0	10.7	6.8
S	9.1	6.0	8.9	5.8	8.8	5.7	8.7	5.6	8.6	5.5	8.5	5.4	8.3	5.2	8.2	5.1	8.2	5.0	8.1	5.0	8.1	5.0	8.2	5.0	8.6	5.3	8.9	5.6	9.5	6.0	10.1	6.4	10.5	6.7	10.8	6.9	10.9	7.0	10.7	6.9	10.5	6.8	10.2	6.6	9.8	6.4	9.5	6.2
SW	10.5	6.7	9.8	6.2	9.7	6.2	9.6	6.1	9.5	6.0	9.4	5.9	9.2	5.7	9.1	5.6	9.1	5.5	9.0	5.4	9.0	5.4	9.1	5.5	9.5	5.8	9.8	6.0	10.2	6.3	10.5	6.6	10.7	6.8	11.3	7.1	11.7	7.4	11.9	7.5	11.9	7.5	11.9	7.5	11.6	7.3	11.1	7.0
W	11.4	7.1	10.2	6.4	10.1	6.3	10.0	6.2	9.8	6.1	9.8	6.0	9.6	5.8	9.5	5.7	9.4	5.7	9.3	5.6	9.3	5.6	9.4	5.6	9.8	5.9	10.2	6.2	10.5	6.5	10.8	6.7	11.1	6.9	11.2	7.1	11.6	7.3	12.0	7.6	12.2	7.7	12.4	7.8	12.3	7.7	11.9	7.4
NW	10.1	6.4	8.8	5.8	8.7	5.7	8.6	5.6	8.5	5.5	8.5	5.4	8.3	5.2	8.2	5.1	8.1	5.0	8.0	5.0	8.0	4.9	8.1	5.0	8.5	5.3	8.9	5.5	9.2	5.8	9.5	6.1	9.7	6.3	9.9	6.4	10.0	6.5	10.1	6.6	10.4	6.8	10.6	6.9	10.6	6.9	10.4	6.7
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.6	5.7	12.6	5.6	12.5	5.6	12.4	5.5	12.4	5.4	12.3	5.3	12.2	5.3	12.2	5.2	12.2	5.2	12.1	5.2	12.3	5.2	12.7	5.5	13.2	5.8	13.7	6.1	14.1	6.4	14.4	6.6	14.5	6.7	14.5	6.7	14.4	6.6	14.1	6.5	13.9	6.4	13.6	6.3	13.2	6.0	12.8	5.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY : AFYON(38.45)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	6.4	4.6	6.1	4.3	5.8	3.9	5.5	3.7	4.9	3.1	4.6	2.7	4.4	2.5	4.2	2.4	4.1	2.2	4.7	2.6	6.1	3.5	6.8	4.2	7.9	5.1	8.8	5.9	9.6	6.5	10.1	6.9	10.4	7.3	10.6	7.5	10.5	7.4	10.1	7.3	9.5	6.9	9.2	6.6	8.5	6.0	6.7	4.9
NE	7.6	5.2	7.3	4.9	7.0	4.5	6.7	4.3	6.1	3.7	5.7	3.3	5.5	3.1	5.4	2.9	5.3	2.8	6.3	3.4	9.0	5.0	11.1	6.4	11.9	7.1	11.7	7.3	11.0	7.3	11.2	7.5	11.6	7.9	11.8	8.0	11.7	8.0	11.3	7.8	10.6	7.5	9.7	6.8	8.6	6.0	7.9	5.5
E	8.9	5.8	8.6	5.5	8.3	5.2	8.0	4.9	7.4	4.3	7.1	4.0	6.9	3.8	6.7	3.6	6.6	3.5	7.6	4.0	10.8	5.9	13.7	7.7	15.2	8.8	15.5	9.2	14.7	9.1	13.5	8.6	12.9	8.5	13.1	8.7	13.0	8.7	12.6	8.5	12.0	8.1	11.1	7.5	9.9	6.6	9.2	6.1
SE	8.9	5.8	8.6	5.5	8.3	5.2	8.0	4.9	7.4	4.3	7.1	4.0	6.9	3.8	6.7	3.6	6.6	3.5	7.3	3.9	9.7	5.3	12.4	7.0	14.4	8.4	15.4	9.2	15.5	9.5	15.0	9.4	14.1	9.1	13.1	8.7	13.0	8.7	12.6	8.5	12.0	8.1	11.1	7.5	9.9	6.7	9.2	6.1
S	7.9	5.3	7.6	5.0	7.3	4.7	7.0	4.4	6.4	3.8	6.0	3.5	5.9	3.3	5.7	3.1	5.6	3.0	5.9	3.2	7.1	4.1	8.3	4.9	10.2	6.3	11.9	7.4	13.3	8.4	14.1	9.0	14.4	9.3	13.9	9.1	13.1	8.7	12.2	8.3	11.0	7.6	10.1	7.0	8.9	6.1	8.2	5.6
SW	8.7	5.7	8.4	5.4	8.0	5.1	7.8	4.8	7.2	4.2	6.8	3.8	6.6	3.6	6.4	3.5	6.3	3.4	6.7	3.6	7.9	4.4	9.0	5.3	10.1	6.2	11.0	7.0	11.8	7.7	13.5	8.6	15.0	9.6	15.5	9.9	15.4	9.9	15.4	9.9	14.6	9.4	13.0	8.5	11.2	7.3	9.0	6.0
W	8.9	5.8	8.6	5.5	8.3	5.2	8.0	4.9	7.4	4.3	7.1	4.0	6.9	3.8	6.7	3.6	6.6	3.5	6.9	3.7	8.1	4.6	9.3	5.4	10.4	6.4	11.3	7.1	12.1	7.8	12.6	8.2	13.8	9.0	15.2	9.7	15.7	10.1	16.3	10.4	16.1	10.2	14.8	9.4	13.2	8.3	9.2	6.1
NW	7.9	5.3	7.5	5.0	7.2	4.7	6.9	4.4	6.3	3.8	6.0	3.4	5.8	3.2	5.6	3.1	5.5	2.9	5.9	3.2	7.1	4.0	8.2	4.9	9.3	5.8	10.2	6.6	11.0	7.2	11.5	7.7	11.9	8.0	12.3	8.3	13.1	8.7	13.7	9.1	13.8	9.1	13.1	8.5	12.0	7.7	8.2	5.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.5	5.1	7.4	5.0	7.3	4.9	7.2	4.9	7.2	4.9	7.2	4.8	7.1	4.8	7.1	4.7	7.0	4.7	7.0	4.7	7.0	4.7	7.0	4.7	7.1	4.7	7.2	4.8	7.3	4.8	7.4	4.9	7.5	5.0	7.5	5.1	7.6	5.1	7.6	5.1	7.6	5.2	7.6	5.2	7.6	5.1	7.5	5.1
NE	8.9	5.8	8.8	5.7	8.7	5.7	8.7	5.6	8.7	5.6	8.7	5.6	8.6	5.5	8.6	5.5	8.5	5.4	8.5	5.4	8.5	5.4	8.5	5.4	8.6	5.5	8.9	5.6	9.1	5.7	9.1	5.8	9.1	5.8	9.0	5.8	9.1	5.9	9.1	5.9	9.1	5.9	9.1	5.9	9.1	5.9	9.0	5.8
E	10.6	6.6	10.5	6.5	10.4	6.5	10.4	6.5	10.4	6.4	10.3	6.4	10.3	6.4	10.2	6.3	10.2	6.3	10.2	6.3	10.2	6.2	10.2	6.2	10.3	6.3	10.6	6.5	10.9	6.6	11.0	6.7	11.0	6.8	10.9	6.8	10.8	6.7	10.8	6.7	10.8	6.7	10.8	6.7	10.7	6.7	10.7	6.7
SE	10.6	6.6	10.5	6.5	10.4	6.5	10.4	6.5	10.4	6.4	10.3	6.4	10.3	6.4	10.3	6.3	10.2	6.3	10.2	6.3	10.2	6.2	10.2	6.2	10.2	6.3	10.5	6.4	10.7	6.6	10.9	6.7	11.0	6.8	11.0	6.8	11.0	6.8	10.9	6.8	10.8	6.7	10.8	6.7	10.7	6.7	10.7	6.7
S	9.3	6.0	9.2	5.9	9.1	5.9	9.1	5.8	9.1	5.8	9.1	5.8	9.0	5.7	9.0	5.7	8.9	5.6	8.9	5.6	8.9	5.6	8.9	5.6	8.9	5.6	9.0	5.7	9.1	5.8	9.3	5.9	9.5	6.0	9.6	6.1	9.7	6.2	9.7	6.2	9.7	6.2	9.6	6.2	9.5	6.1	9.4	6.0
SW	10.5	6.6	10.3	6.5	10.1	6.3	10.1	6.3	10.0	6.3	10.0	6.2	10.0	6.2	9.9	6.2	9.9	6.1	9.9	6.1	9.9	6.1	9.8	6.1	9.9	6.1	10.0	6.2	10.1	6.3	10.2	6.4	10.3	6.4	10.4	6.5	10.5	6.6	10.7	6.7	10.7	6.7	10.7	6.7	10.7	6.7	10.6	6.7
W	11.0	6.8	10.8	6.7	10.4	6.5	10.4	6.5	10.4	6.4	10.4	6.4	10.3	6.4	10.3	6.3	10.2	6.3	10.2	6.3	10.2	6.3	10.2	6.2	10.2	6.3	10.3	6.4	10.4	6.4	10.6	6.5	10.6	6.6	10.7	6.7	10.8	6.7	10.9	6.8	11.0	6.8	11.1	6.9	11.1	6.9	11.1	6.9
NW	9.5	6.1	9.4	6.0	9.1	5.8	9.0	5.8	9.0	5.8	9.0	5.7	8.9	5.7	8.9	5.6	8.9	5.6	8.8	5.6	8.8	5.6	8.8	5.6	8.8	5.6	9.0	5.7	9.1	5.7	9.2	5.8	9.3	5.9	9.3	6.0	9.4	6.0	9.4	6.0	9.5	6.1	9.5	6.1	9.6	6.1	9.6	6.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	7.7	5.2	7.1	4.9	7.1	4.8	7.0	4.7	6.9	4.6	6.8	4.5	6.6	4.4	6.5	4.3	6.4	4.2	6.4	4.2	6.4	4.1	6.5	4.2	6.9	4.5	7.2	4.7	7.5	5.0	7.7	5.2	8.0	5.4	8.1	5.5	8.2	5.6	8.3	5.7	8.3	5.7	8.1	5.6	8.0	5.5	7.9	5.4
NE	8.8	5.8	8.6	5.6	8.5	5.5	8.4	5.4	8.3	5.3	8.2	5.3	8.0	5.1	7.9	5.0	7.9	4.9	7.8	4.9	7.8	4.8	8.1	5.0	8.9	5.5	9.5	5.9	9.8	6.1	9.7	6.2	9.5	6.1	9.5	6.2	9.7	6.3	9.7	6.4	9.7	6.4	9.6	6.3	9.4	6.2	9.1	6.0
E	10.4	6.6	10.2	6.4	10.1	6.3	10.0	6.2	9.9	6.1	9.8	6.1	9.6	5.9	9.5	5.8	9.5	5.7	9.4	5.7	9.4	5.6	9.7	5.8	10.6	6.3	11.5	6.9	11.9	7.2	12.0	7.3	11.8	7.3	11.4	7.2	11.3	7.1	11.3	7.2	11.3	7.2	11.2	7.1	11.0	7.0	10.7	6.8
SE	10.4	6.6	10.2	6.4	10.1	6.3	10.0	6.2	9.9	6.1	9.8	6.1	9.6	5.9	9.5	5.8	9.5	5.7	9.4	5.7	9.4	5.6	9.6	5.7	10.3	6.2	11.1	6.7	11.7	7.1	12.0	7.3	12.0	7.4	11.9	7.4	11.6	7.3	11.3	7.2	11.3	7.2	11.2	7.1	11.0	7.0	10.7	6.8
S	9.1	6.0	8.9	5.8	8.9	5.7	8.8	5.6	8.7	5.5	8.6	5.4	8.4	5.3	8.3	5.2	8.2	5.1	8.2	5.1	8.2	5.0	8.3	5.1	8.6	5.3	9.0	5.6	9.5	6.0	10.0	6.3	10.4	6.6	10.7	6.8	10.8	6.9	10.6	6.8	10.4	6.7	10.1	6.6	9.7	6.4	9.5	6.2
SW	10.5	6.6	9.8	6.3	9.8	6.2	9.7	6.1	9.6	6.0	9.5	5.9	9.3	5.7	9.2	5.6	9.2	5.6	9.1	5.5	9.1	5.5	9.2	5.5	9.5	5.8	9.9	6.1	10.2	6.3	10.5	6.5	10.7	6.7	11.2	7.0	11.6	7.3	11.8	7.4	11.8	7.4	11.7	7.4	11.5	7.3	11.0	7.0
W	11.4	7.1	10.2	6.4	10.1	6.3	10.0	6.2	9.9	6.1	9.8	6.1	9.6	5.9	9.5	5.8	9.5	5.7	9.4	5.7	9.4	5.6	9.5	5.7	9.9	6.0	10.2	6.2	10.5	6.5	10.8	6.7	11.0	6.9	11.2	7.0	11.5	7.3	11.9	7.5	12.1	7.6	12.3	7.7	12.2	7.6	11.8	7.4
NW	10.0	6.4	8.9	5.8	8.8	5.7	8.7	5.6	8.6	5.5	8.5	5.4	8.3	5.2	8.2	5.1	8.2	5.1	8.1	5.0	8.1	5.0	8.2	5.0	8.5	5.3	8.9	5.6	9.2	5.8	9.5	6.1	9.7	6.3	9.8	6.4	10.0	6.5	10.1	6.6	10.3	6.7	10.5	6.8	10.5	6.8	10.3	6.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.5	5.0	7.4	5.0	7.3	4.9	7.2	4.9	7.2	4.9	7.2	4.8	7.2	4.8	7.1	4.8	7.1	4.7	7.1	4.7	7.1	4.7	7.1	4.7	7.1	4.7	7.2	4.8	7.3	4.9	7.4	4.9	7.4	5.0	7.5	5.0	7.5	5.1	7.6	5.1	7.6	5.1	7.6	5.1	7.5	5.1	7.5	5.1
NE	8.9	5.8	8.8	5.7	8.8	5.7	8.7	5.6	8.7	5.6	8.7	5.6	8.7	5.6	8.6	5.5	8.6	5.5	8.6	5.5	8.6	5.5	8.6	5.5	8.6	5.5	8.8	5.6	9.0	5.7	9.1	5.8	9.1	5.8	9.0	5.8	9.0	5.8	9.1	5.8	9.1	5.9	9.1	5.9	9.0	5.8	9.0	5.8
E	10.6	6.6	10.5	6.5	10.4	6.5	10.4	6.5	10.4	6.5	10.4	6.4	10.4	6.4	10.3	6.4	10.3	6.3	10.3	6.3	10.2	6.3	10.2	6.3	10.3	6.3	10.6	6.5	10.8	6.6	10.9	6.7	10.9	6.7	10.9	6.7	10.8	6.7	10.7	6.7	10.8	6.7	10.7	6.7	10.7	6.7	10.7	6.7
SE	10.6	6.6	10.5	6.5	10.4	6.5	10.4	6.5	10.4	6.5	10.4	6.4	10.4	6.4	10.3	6.4	10.3	6.3	10.3	6.3	10.2	6.3	10.2	6.3	10.3	6.3	10.5	6.4	10.7	6.6	10.8	6.7	10.9	6.7	10.9	6.8	10.9	6.8	10.8	6.7	10.8	6.7	10.7	6.7	10.7	6.7	10.7	6.7
S	9.3	6.0	9.2	5.9	9.2	5.9	9.1	5.8	9.1	5.8	9.1	5.8	9.1	5.8	9.0	5.7	9.0	5.7	9.0	5.7	9.0	5.7	9.0	5.7	9.0	5.7	9.1	5.7	9.2	5.8	9.3	5.9	9.5	6.0	9.6	6.1	9.6	6.1	9.6	6.1	9.6	6.1	9.5	6.1	9.5	6.1	9.4	6.0
SW	10.4	6.5	10.3	6.4	10.1	6.3	10.1	6.3	10.1	6.3	10.1	6.3	10.0	6.2	10.0	6.2	10.0	6.2	9.9	6.2	9.9	6.1	9.9	6.1	9.9	6.1	10.0	6.2	10.1	6.3	10.2	6.4	10.3	6.4	10.3	6.5	10.5	6.5	10.6	6.6	10.6	6.6	10.6	6.6	10.6	6.6	10.6	6.6
W	10.9	6.8	10.8	6.7	10.5	6.5	10.4	6.5	10.4	6.5	10.4	6.4	10.4	6.4	10.3	6.4	10.3	6.3	10.3	6.3	10.3	6.3	10.3	6.3	10.3	6.3	10.4	6.4	10.5	6.5	10.6	6.5	10.6	6.6	10.7	6.6	10.7	6.7	10.8	6.7	10.9	6.8	11.0	6.8	11.0	6.8	11.0	6.8
NW	9.5	6.0	9.4	6.0	9.1	5.8	9.1	5.8	9.0	5.8	9.0	5.7	9.0	5.7	8.9	5.7	8.9	5.6	8.9	5.6	8.9	5.6	8.9	5.6	8.9	5.6	9.0	5.7	9.1	5.8	9.2	5.8	9.2	5.9	9.3	5.9	9.3	6.0	9.4	6.0	9.4	6.0	9.5	6.1	9.5	6.1	9.5	6.1
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.3	1.5	4.7	1.0	3.5	-0.3	2.7	-1.1	2.3	-1.5	2.0	-1.8	1.7	-2.1	3.0	-1.4	7.7	1.6	13.5	5.1	19.4	8.8	24.3	11.9	27.6	14.1	29.5	15.4	29.8	16.0	27.6	15.0	24.9	13.7	22.5	12.6	18.9	10.6	14.3	8.0	9.6	5.0	7.3	3.5	6.6	2.9	6.0	2.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :AĞRI (39.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	4.8	2.7	4.6	2.5	4.3	2.2	4.1	2.0	3.9	1.8	3.7	1.6	3.5	1.4	3.4	1.3	3.3	1.2	3.2	1.1	3.2	1.1	3.9	1.6	5.1	2.5	5.9	3.1	6.5	3.7	7.1	4.1	7.4	4.4	7.6	4.6	7.6	4.6	7.5	4.6	7.2	4.4	6.7	4.1	6.0	3.6	5.4	3.1
NE	5.4	3.0	5.2	2.8	4.9	2.5	4.7	2.3	4.5	2.1	4.3	1.9	4.1	1.7	4.0	1.6	3.9	1.5	3.8	1.4	3.8	1.4	4.6	1.9	6.4	3.1	7.4	3.9	7.8	4.3	7.8	4.5	8.0	4.7	8.2	4.9	8.2	4.9	8.1	4.9	7.8	4.7	7.3	4.4	6.6	3.9	5.9	3.4
E	6.1	3.4	5.9	3.1	5.6	2.9	5.4	2.7	5.2	2.4	5.0	2.3	4.8	2.1	4.7	2.0	4.6	1.9	4.5	1.8	4.5	1.7	5.3	2.3	7.3	3.6	8.7	4.5	9.2	5.0	9.3	5.3	9.0	5.2	8.9	5.2	8.9	5.3	8.8	5.2	8.5	5.1	8.0	4.7	7.3	4.2	6.6	3.7
SE	6.1	3.4	5.9	3.1	5.6	2.9	5.4	2.7	5.2	2.4	5.0	2.3	4.8	2.1	4.7	2.0	4.6	1.8	4.5	1.8	4.5	1.7	5.3	2.3	7.0	3.4	8.4	4.4	9.2	5.0	9.6	5.4	9.5	5.4	9.2	5.4	8.9	5.3	8.8	5.2	8.5	5.1	8.0	4.7	7.2	4.2	6.6	3.7
S	5.8	3.2	5.6	3.0	5.3	2.7	5.1	2.5	4.9	2.3	4.7	2.1	4.5	1.9	4.4	1.8	4.3	1.7	4.2	1.6	4.2	1.6	4.9	2.1	6.0	2.9	7.0	3.7	8.0	4.4	8.8	5.0	9.2	5.3	9.3	5.4	9.2	5.4	8.9	5.3	8.3	5.0	7.6	4.6	6.9	4.1	6.3	3.6
SW	5.9	3.3	5.7	3.0	5.4	2.8	5.2	2.6	5.0	2.3	4.8	2.2	4.6	2.0	4.5	1.9	4.4	1.8	4.3	1.7	4.3	1.6	5.0	2.1	6.1	3.0	7.0	3.7	7.6	4.2	8.2	4.7	8.9	5.1	9.4	5.5	9.7	5.7	9.7	5.7	9.1	5.4	8.2	4.8	7.2	4.2	6.5	3.7
W	5.9	3.2	5.6	3.0	5.4	2.8	5.1	2.5	4.9	2.3	4.7	2.1	4.6	2.0	4.4	1.8	4.3	1.7	4.2	1.6	4.2	1.6	4.9	2.1	6.1	3.0	6.9	3.6	7.6	4.2	8.1	4.6	8.4	4.9	8.9	5.2	9.4	5.5	9.7	5.7	9.2	5.4	8.3	4.9	7.2	4.2	6.6	3.7
NW	5.3	3.0	5.0	2.7	4.8	2.5	4.6	2.3	4.3	2.0	4.2	1.9	4.0	1.7	3.9	1.6	3.8	1.4	3.7	1.4	3.7	1.3	4.4	1.8	5.5	2.7	6.4	3.4	7.0	3.9	7.5	4.4	7.9	4.6	8.1	4.8	8.2	4.9	8.5	5.1	8.3	5.0	7.6	4.5	6.6	3.9	6.0	3.4
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	5.3	2.9	5.1	2.8	5.0	2.7	5.0	2.6	4.9	2.6	4.8	2.5	4.7	2.4	4.7	2.4	4.7	2.3	4.6	2.3	4.6	2.3	4.6	2.3	4.8	2.4	5.2	2.7	5.4	2.9	5.7	3.1	5.8	3.2	5.9	3.3	6.0	3.4	6.0	3.4	6.0	3.4	5.9	3.3	5.7	3.2	5.5	3.1
NE	5.9	3.2	5.8	3.1	5.7	3.0	5.6	3.0	5.6	2.9	5.5	2.8	5.4	2.8	5.4	2.7	5.3	2.7	5.3	2.6	5.3	2.6	5.3	2.6	5.5	2.8	6.1	3.1	6.4	3.4	6.5	3.5	6.6	3.6	6.6	3.7	6.7	3.7	6.7	3.7	6.6	3.7	6.5	3.7	6.4	3.6	6.1	3.4
E	6.7	3.6	6.6	3.5	6.5	3.4	6.4	3.4	6.3	3.3	6.3	3.2	6.2	3.1	6.1	3.1	6.1	3.1	6.1	3.0	6.0	3.0	6.0	3.0	6.3	3.2	6.9	3.6	7.4	3.9	7.6	4.0	7.6	4.1	7.5	4.1	7.4	4.1	7.5	4.1	7.4	4.1	7.3	4.0	7.2	3.9	6.9	3.8
SE	6.7	3.6	6.6	3.5	6.5	3.4	6.4	3.3	6.3	3.3	6.2	3.2	6.2	3.1	6.1	3.1	6.1	3.1	6.1	3.0	6.0	3.0	6.0	3.0	6.3	3.1	6.8	3.5	7.3	3.8	7.5	4.0	7.7	4.1	7.6	4.2	7.5	4.1	7.4	4.1	7.4	4.1	7.3	4.0	7.1	3.9	6.9	3.8
S	6.4	3.4	6.2	3.3	6.1	3.2	6.0	3.2	6.0	3.1	5.9	3.0	5.8	3.0	5.8	2.9	5.7	2.9	5.7	2.8	5.7	2.8	5.7	2.8	5.9	3.0	6.3	3.2	6.6	3.5	6.9	3.7	7.2	3.9	7.3	4.0	7.3	4.0	7.3	4.0	7.2	4.0	7.0	3.9	6.8	3.8	6.6	3.6
SW	6.5	3.5	6.3	3.4	6.3	3.3	6.2	3.2	6.1	3.2	6.0	3.1	6.0	3.0	5.9	3.0	5.9	2.9	5.8	2.9	5.8	2.9	5.8	2.9	6.0	3.0	6.4	3.3	6.7	3.5	6.9	3.7	7.1	3.8	7.3	4.0	7.5	4.1	7.6	4.2	7.5	4.2	7.3	4.1	7.1	3.9	6.7	3.7
W	6.5	3.5	6.3	3.4	6.2	3.3	6.1	3.2	6.0	3.1	5.9	3.0	5.9	3.0	5.8	2.9	5.8	2.9	5.8	2.9	5.7	2.8	5.7	2.8	6.0	3.0	6.3	3.3	6.6	3.5	6.8	3.7	7.0	3.8	7.1	3.9	7.2	4.0	7.4	4.1	7.5	4.1	7.3	4.1	7.0	3.9	6.7	3.7
NW	5.9	3.2	5.6	3.0	5.6	3.0	5.5	2.9	5.4	2.8	5.3	2.7	5.3	2.7	5.2	2.6	5.2	2.6	5.2	2.6	5.1	2.5	5.1	2.5	5.3	2.7	5.7	3.0	6.0	3.2	6.2	3.3	6.4	3.5	6.5	3.6	6.5	3.6	6.6	3.7	6.7	3.7	6.6	3.7	6.4	3.6	6.1	3.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	5.3	2.9	5.1	2.8	4.9	2.7	4.8	2.6	4.8	2.5	4.6	2.4	4.6	2.3	4.5	2.2	4.4	2.2	4.4	2.1	4.4	2.1	4.4	2.1	4.7	2.3	5.2	2.7	5.5	2.9	5.8	3.2	6.0	3.4	6.2	3.5	6.3	3.6	6.3	3.6	6.2	3.6	6.1	3.5	5.9	3.4	5.6	3.2
NE	5.9	3.3	5.7	3.1	5.6	3.0	5.5	2.9	5.4	2.8	5.3	2.7	5.2	2.6	5.2	2.5	5.1	2.5	5.1	2.4	5.0	2.4	5.0	2.4	5.4	2.6	6.1	3.1	6.6	3.5	6.7	3.6	6.8	3.7	6.8	3.8	6.9	3.9	6.9	3.9	6.9	3.9	6.7	3.8	6.5	3.7	6.2	3.5
E	6.7	3.6	6.5	3.5	6.4	3.4	6.3	3.3	6.2	3.2	6.1	3.1	6.0	3.0	5.9	2.9	5.9	2.9	5.8	2.8	5.8	2.8	5.8	2.8	6.1	3.0	7.0	3.6	7.6	4.0	7.8	4.2	7.9	4.3	7.7	4.3	7.7	4.3	7.7	4.3	7.6	4.3	7.5	4.2	7.3	4.1	7.0	3.9
SE	6.7	3.6	6.5	3.5	6.4	3.4	6.3	3.3	6.2	3.2	6.1	3.1	6.0	3.0	5.9	2.9	5.9	2.9	5.8	2.8	5.8	2.8	5.8	2.8	6.1	3.0	6.9	3.5	7.5	3.9	7.8	4.2	8.0	4.4	8.0	4.4	7.8	4.4	7.7	4.3	7.6	4.3	7.5	4.2	7.3	4.1	7.0	3.9
S	6.3	3.5	6.1	3.3	6.0	3.2	5.9	3.1	5.8	3.0	5.7	2.9	5.6	2.8	5.6	2.8	5.5	2.7	5.5	2.6	5.4	2.6	5.4	2.6	5.7	2.8	6.2	3.2	6.7	3.5	7.1	3.8	7.4	4.1	7.6	4.2	7.7	4.3	7.6	4.3	7.5	4.2	7.2	4.1	6.9	3.9	6.6	3.7
SW	6.5	3.6	6.3	3.4	6.2	3.3	6.1	3.2	6.0	3.1	5.9	3.0	5.8	2.9	5.7	2.8	5.7	2.8	5.6	2.7	5.6	2.7	5.6	2.7	5.9	2.9	6.4	3.3	6.7	3.5	7.0	3.8	7.2	4.0	7.5	4.2	7.8	4.3	7.9	4.4	7.9	4.4	7.6	4.3	7.3	4.1	6.8	3.8
W	6.5	3.5	6.2	3.3	6.1	3.2	6.0	3.1	5.9	3.0	5.8	2.9	5.7	2.8	5.6	2.8	5.6	2.7	5.5	2.7	5.5	2.6	5.5	2.6	5.8	2.8	6.3	3.2	6.6	3.5	6.9	3.7	7.2	3.9	7.3	4.1	7.5	4.2	7.7	4.3	7.8	4.4	7.6	4.3	7.3	4.1	6.8	3.8
NW	5.9	3.2	5.6	3.0	5.5	2.9	5.4	2.8	5.3	2.7	5.2	2.6	5.1	2.5	5.0	2.5	5.0	2.4	4.9	2.4	4.9	2.3	4.9	2.3	5.2	2.5	5.7	2.9	6.0	3.2	6.3	3.4	6.6	3.6	6.7	3.8	6.8	3.8	6.9	3.9	7.0	4.0	6.9	3.9	6.6	3.7	6.2	3.5
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	5.3	3.0	5.0	2.8	4.9	2.6	4.8	2.5	4.7	2.4	4.5	2.3	4.4	2.2	4.4	2.1	4.3	2.0	4.2	2.0	4.2	1.9	4.2	1.9	4.6	2.2	5.2	2.6	5.6	3.0	5.9	3.3	6.2	3.5	6.4	3.6	6.5	3.7	6.5	3.8	6.4	3.7	6.2	3.6	6.0	3.5	5.6	3.2
NE	5.9	3.3	5.7	3.1	5.5	3.0	5.4	2.8	5.3	2.7	5.2	2.6	5.1	2.5	5.0	2.4	4.9	2.4	4.9	2.3	4.8	2.3	4.8	2.2	5.3	2.5	6.2	3.1	6.7	3.5	6.9	3.7	6.9	3.9	7.0	4.0	7.1	4.1	7.1	4.1	7.1	4.1	6.9	4.0	6.6	3.8	6.3	3.5
E	6.7	3.7	6.4	3.5	6.3	3.3	6.2	3.2	6.1	3.1	5.9	3.0	5.9	2.9	5.8	2.8	5.7	2.7	5.6	2.7	5.6	2.6	5.6	2.6	6.0	2.9	7.1	3.6	7.8	4.1	8.0	4.3	8.1	4.4	7.9	4.4	7.9	4.4	7.9	4.5	7.8	4.4	7.7	4.4	7.4	4.2	7.0	3.9
SE	6.7	3.7	6.4	3.5	6.3	3.3	6.2	3.2	6.1	3.1	5.9	3.0	5.8	2.9	5.8	2.8	5.7	2.7	5.6	2.7	5.6	2.6	5.6	2.6	6.0	2.9	6.9	3.5	7.6	4.0	8.0	4.3	8.2	4.5	8.2	4.5	8.0	4.5	7.9	4.5	7.8	4.4	7.7	4.3	7.4	4.2	7.0	3.9
S	6.3	3.5	6.1	3.3	6.0	3.2	5.8	3.0	5.7	2.9	5.6	2.8	5.5	2.7	5.4	2.6	5.4	2.6	5.3	2.5	5.2	2.5	5.2	2.4	5.6	2.7	6.2	3.1	6.7	3.5	7.2	3.9	7.6	4.2	7.9	4.4	7.9	4.4	7.9	4.5	7.7	4.4	7.4	4.2	7.0	4.0	6.7	3.7
SW	6.5	3.6	6.2	3.4	6.1	3.2	6.0	3.1	5.8	3.0	5.7	2.9	5.6	2.8	5.5	2.7	5.5	2.6	5.4	2.6	5.4	2.5	5.4	2.5	5.7	2.8	6.3	3.2	6.8	3.6	7.1	3.8	7.4	4.1	7.7	4.3	8.0	4.5	8.2	4.6	8.2	4.6	7.9	4.4	7.4	4.2	6.9	3.8
W	6.5	3.6	6.1	3.3	6.0	3.2	5.9	3.1	5.8	3.0	5.6	2.8	5.6	2.7	5.5	2.7	5.4	2.6	5.3	2.5	5.3	2.5	5.3	2.5	5.6	2.7	6.2	3.2	6.7	3.5	7.0	3.8	7.3	4.0	7.5	4.2	7.7	4.4	8.0	4.5	8.1	4.6	7.9	4.5	7.4	4.2	6.8	3.8
NW	5.9	3.3	5.5	3.0	5.4	2.9	5.3	2.8	5.2	2.7	5.0	2.5	5.0	2.4	4.9	2.4	4.8	2.3	4.7	2.2	4.7	2.2	4.7	2.2	5.1	2.4	5.7	2.9	6.1	3.2	6.4	3.5	6.7	3.7	6.9	3.9	7.0	4.0	7.1	4.1	7.2	4.1	7.1	4.1	6.7	3.8	6.2	3.5
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	8.0	2.3	7.9	2.2	7.8	2.1	7.8	2.1	7.7	2.0	7.7	1.9	7.6	1.9	7.6	1.9	7.5	1.8	7.5	1.8	7.5	1.8	7.8	2.0	8.4	2.4	8.9	2.7	9.3	2.9	9.6	3.1	9.7	3.2	9.7	3.2	9.6	3.2	9.5	3.2	9.2	3.0	8.8	2.8	8.4	2.6	8.2	2.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :AĞRI (39.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	4.1	2.3	3.8	1.9	3.4	1.5	3.0	1.1	2.7	0.8	2.4	0.6	2.2	0.4	2.0	0.2	1.9	0.0	1.9	0.0	3.1	0.8	5.0	2.2	6.3	3.3	7.4	4.2	8.2	5.0	8.8	5.4	9.1	5.7	9.1	5.8	8.9	5.7	8.4	5.5	7.6	4.9	6.5	4.1	5.5	3.3	4.5	2.7
NE	4.7	2.5	4.3	2.2	3.9	1.8	3.5	1.4	3.3	1.1	3.0	0.8	2.8	0.6	2.6	0.4	2.4	0.3	2.5	0.3	3.8	1.2	6.6	3.1	8.4	4.4	8.9	5.0	9.0	5.4	9.3	5.7	9.6	6.0	9.7	6.1	9.4	6.0	9.0	5.7	8.1	5.2	7.0	4.4	5.9	3.5	5.1	2.9
E	5.3	2.8	4.9	2.5	4.6	2.1	4.2	1.7	3.9	1.4	3.6	1.2	3.4	0.9	3.2	0.7	3.1	0.6	3.1	0.6	4.4	1.5	7.7	3.6	10.0	5.2	10.8	5.9	11.0	6.3	10.5	6.3	10.3	6.3	10.3	6.4	10.1	6.3	9.6	6.0	8.7	5.5	7.6	4.7	6.5	3.9	5.7	3.3
SE	5.3	2.8	4.9	2.5	4.5	2.1	4.1	1.7	3.9	1.4	3.6	1.1	3.4	0.9	3.2	0.7	3.1	0.6	3.1	0.6	4.3	1.4	7.1	3.3	9.4	4.9	10.7	5.9	11.4	6.5	11.2	6.6	10.8	6.5	10.3	6.4	10.1	6.3	9.6	6.0	8.7	5.5	7.6	4.7	6.5	3.8	5.7	3.2
S	5.0	2.7	4.6	2.3	4.3	2.0	3.9	1.5	3.6	1.3	3.3	1.0	3.1	0.8	2.9	0.6	2.8	0.5	2.8	0.4	3.9	1.2	5.8	2.6	7.5	3.9	9.0	5.0	10.4	6.0	11.0	6.5	11.2	6.7	11.0	6.8	10.5	6.5	9.5	6.0	8.5	5.3	7.3	4.5	6.2	3.7	5.4	3.1
SW	5.1	2.8	4.7	2.4	4.4	2.0	4.0	1.6	3.7	1.3	3.4	1.1	3.2	0.9	3.0	0.7	2.9	0.5	2.9	0.5	4.0	1.3	5.9	2.7	7.3	3.8	8.4	4.7	9.2	5.4	10.4	6.2	11.3	6.8	11.8	7.1	11.7	7.1	10.7	6.6	9.2	5.7	7.6	4.7	6.5	3.9	5.5	3.2
W	5.1	2.7	4.7	2.3	4.3	2.0	3.9	1.6	3.6	1.3	3.4	1.0	3.2	0.8	3.0	0.6	2.8	0.5	2.8	0.4	3.9	1.2	5.8	2.7	7.2	3.8	8.3	4.7	9.2	5.4	9.7	5.9	10.5	6.4	11.4	6.9	11.7	7.1	11.0	6.7	9.5	5.9	7.7	4.7	6.6	3.9	5.5	3.1
NW	4.6	2.5	4.2	2.1	3.8	1.7	3.4	1.3	3.1	1.1	2.9	0.8	2.7	0.6	2.5	0.4	2.3	0.2	2.3	0.2	3.4	1.0	5.3	2.4	6.7	3.5	7.8	4.4	8.7	5.2	9.2	5.6	9.5	5.9	9.8	6.1	10.2	6.4	9.9	6.2	8.8	5.5	7.1	4.5	6.1	3.7	5.0	2.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.4	2.9	5.3	2.9	5.2	2.8	5.1	2.8	5.1	2.7	5.1	2.7	5.0	2.6	5.0	2.6	5.0	2.6	5.0	2.6	4.9	2.6	4.9	2.5	4.9	2.5	5.0	2.6	5.2	2.8	5.3	2.9	5.4	2.9	5.5	3.0	5.6	3.1	5.6	3.1	5.6	3.1	5.6	3.1	5.5	3.1	5.5	3.0
NE	6.0	3.3	5.9	3.2	5.9	3.1	5.8	3.1	5.8	3.1	5.8	3.0	5.7	3.0	5.7	3.0	5.7	2.9	5.6	2.9	5.6	2.9	5.6	2.9	5.6	2.9	5.7	3.0	6.0	3.2	6.2	3.3	6.2	3.3	6.2	3.4	6.3	3.4	6.3	3.4	6.3	3.4	6.3	3.4	6.2	3.4	6.2	3.4
E	6.8	3.7	6.7	3.6	6.7	3.5	6.6	3.5	6.6	3.5	6.6	3.4	6.5	3.4	6.5	3.4	6.5	3.3	6.4	3.3	6.4	3.3	6.4	3.3	6.4	3.3	6.5	3.4	6.9	3.6	7.1	3.7	7.2	3.8	7.2	3.8	7.1	3.8	7.1	3.8	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7
SE	6.8	3.7	6.7	3.6	6.7	3.5	6.6	3.5	6.6	3.5	6.6	3.4	6.5	3.4	6.5	3.4	6.5	3.3	6.4	3.3	6.4	3.3	6.4	3.3	6.4	3.3	6.5	3.4	6.8	3.5	7.0	3.7	7.1	3.8	7.2	3.8	7.2	3.9	7.1	3.9	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7
S	6.5	3.5	6.4	3.4	6.3	3.4	6.3	3.3	6.2	3.3	6.2	3.2	6.1	3.2	6.1	3.2	6.1	3.2	6.1	3.1	6.1	3.1	6.0	3.1	6.0	3.1	6.2	3.2	6.3	3.3	6.5	3.4	6.6	3.5	6.8	3.6	6.8	3.7	6.8	3.7	6.8	3.7	6.8	3.7	6.7	3.6	6.6	3.6
SW	6.6	3.6	6.5	3.5	6.4	3.4	6.4	3.4	6.4	3.3	6.3	3.3	6.3	3.3	6.3	3.2	6.2	3.2	6.2	3.2	6.2	3.2	6.2	3.2	6.2	3.2	6.3	3.2	6.5	3.4	6.6	3.5	6.7	3.6	6.8	3.6	6.9	3.7	7.0	3.8	7.0	3.8	7.0	3.8	6.9	3.8	6.8	3.7
W	6.6	3.5	6.5	3.5	6.4	3.4	6.3	3.3	6.3	3.3	6.2	3.3	6.2	3.2	6.2	3.2	6.1	3.2	6.1	3.2	6.1	3.1	6.1	3.1	6.1	3.1	6.2	3.2	6.4	3.3	6.5	3.4	6.6	3.5	6.7	3.6	6.8	3.6	6.8	3.7	6.9	3.7	6.9	3.8	6.9	3.7	6.7	3.6
NW	5.9	3.2	5.8	3.1	5.7	3.1	5.7	3.0	5.6	3.0	5.6	3.0	5.6	2.9	5.6	2.9	5.5	2.9	5.5	2.8	5.5	2.8	5.5	2.8	5.5	2.8	5.6	2.9	5.8	3.0	5.9	3.1	6.0	3.2	6.1	3.3	6.1	3.3	6.2	3.4	6.2	3.4	6.2	3.4	6.2	3.4	6.1	3.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	5.3	3.0	5.0	2.8	4.9	2.6	4.8	2.5	4.7	2.4	4.6	2.3	4.5	2.2	4.4	2.1	4.4	2.1	4.3	2.0	4.3	2.0	4.3	2.0	4.6	2.2	5.2	2.6	5.5	3.0	5.9	3.2	6.1	3.4	6.3	3.6	6.4	3.7	6.4	3.7	6.3	3.7	6.2	3.6	5.9	3.4	5.6	3.2
NE	5.9	3.3	5.7	3.1	5.6	3.0	5.5	2.9	5.4	2.8	5.2	2.6	5.2	2.6	5.1	2.5	5.0	2.4	5.0	2.4	4.9	2.3	4.9	2.3	5.3	2.6	6.2	3.1	6.7	3.5	6.8	3.7	6.9	3.8	6.9	3.9	7.0	4.0	7.0	4.0	7.0	4.0	6.8	3.9	6.6	3.8	6.2	3.5
E	6.7	3.7	6.5	3.5	6.3	3.4	6.2	3.2	6.1	3.1	6.0	3.0	5.9	2.9	5.8	2.9	5.8	2.8	5.7	2.7	5.7	2.7	5.7	2.7	6.1	3.0	7.0	3.6	7.7	4.0	8.0	4.3	8.0	4.4	7.9	4.4	7.8	4.4	7.8	4.4	7.7	4.4	7.6	4.3	7.3	4.1	7.0	3.9
SE	6.7	3.6	6.5	3.5	6.3	3.3	6.2	3.2	6.1	3.1	6.0	3.0	5.9	2.9	5.8	2.8	5.8	2.8	5.7	2.7	5.7	2.7	5.7	2.7	6.0	2.9	6.9	3.5	7.6	4.0	7.9	4.2	8.1	4.4	8.1	4.5	7.9	4.4	7.8	4.4	7.7	4.4	7.6	4.3	7.3	4.1	7.0	3.9
S	6.3	3.5	6.1	3.3	6.0	3.2	5.9	3.1	5.8	3.0	5.6	2.8	5.6	2.8	5.5	2.7	5.4	2.6	5.4	2.6	5.3	2.5	5.3	2.5	5.7	2.7	6.2	3.2	6.7	3.5	7.2	3.9	7.6	4.2	7.8	4.3	7.8	4.4	7.8	4.4	7.6	4.3	7.3	4.2	7.0	4.0	6.7	3.7
SW	6.5	3.6	6.2	3.4	6.1	3.2	6.0	3.1	5.9	3.0	5.8	2.9	5.7	2.8	5.6	2.7	5.6	2.7	5.5	2.6	5.5	2.6	5.5	2.6	5.8	2.8	6.3	3.2	6.7	3.6	7.1	3.8	7.3	4.0	7.7	4.3	7.9	4.4	8.1	4.5	8.1	4.5	7.8	4.4	7.3	4.1	6.8	3.8
W	6.5	3.6	6.2	3.3	6.0	3.2	5.9	3.1	5.8	3.0	5.7	2.9	5.6	2.8	5.5	2.7	5.5	2.6	5.4	2.6	5.4	2.5	5.4	2.5	5.7	2.8	6.3	3.2	6.7	3.5	7.0	3.8	7.2	4.0	7.4	4.1	7.6	4.3	7.9	4.4	8.0	4.5	7.8	4.4	7.3	4.1	6.8	3.8
NW	5.9	3.3	5.6	3.0	5.4	2.9	5.3	2.8	5.2	2.7	5.1	2.6	5.0	2.5	4.9	2.4	4.9	2.3	4.8	2.3	4.8	2.2	4.8	2.2	5.1	2.5	5.7	2.9	6.1	3.2	6.4	3.5	6.7	3.7	6.8	3.8	6.9	3.9	7.0	4.0	7.1	4.1	7.0	4.0	6.7	3.8	6.2	3.5
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.3	2.9	5.3	2.8	5.2	2.8	5.2	2.8	5.1	2.7	5.1	2.7	5.1	2.7	5.0	2.7	5.0	2.6	5.0	2.6	5.0	2.6	5.0	2.6	5.0	2.6	5.1	2.6	5.2	2.8	5.3	2.8	5.4	2.9	5.5	3.0	5.5	3.0	5.5	3.0	5.5	3.0	5.5	3.0	5.5	3.0	5.4	3.0
NE	6.0	3.3	5.9	3.2	5.9	3.1	5.8	3.1	5.8	3.1	5.8	3.1	5.8	3.0	5.7	3.0	5.7	3.0	5.7	3.0	5.7	2.9	5.7	2.9	5.7	2.9	5.8	3.0	6.0	3.2	6.1	3.3	6.2	3.3	6.2	3.3	6.2	3.4	6.2	3.4	6.2	3.4	6.2	3.4	6.2	3.4	6.1	3.3
E	6.8	3.7	6.7	3.6	6.7	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.4	6.5	3.4	6.5	3.4	6.5	3.4	6.5	3.3	6.5	3.3	6.5	3.3	6.6	3.4	6.8	3.6	7.0	3.7	7.1	3.8	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.8	7.0	3.8	7.0	3.8	6.9	3.7
SE	6.8	3.7	6.7	3.6	6.7	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.4	6.5	3.4	6.5	3.4	6.5	3.4	6.5	3.3	6.5	3.3	6.5	3.3	6.6	3.4	6.8	3.5	7.0	3.7	7.1	3.7	7.1	3.8	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.8	7.0	3.8	6.9	3.7
S	6.5	3.5	6.4	3.4	6.3	3.4	6.3	3.3	6.3	3.3	6.2	3.3	6.2	3.2	6.2	3.2	6.2	3.2	6.1	3.2	6.1	3.2	6.1	3.2	6.1	3.1	6.2	3.2	6.3	3.3	6.5	3.4	6.6	3.5	6.7	3.6	6.8	3.6	6.8	3.6	6.8	3.6	6.7	3.6	6.6	3.6	6.6	3.5
SW	6.6	3.5	6.5	3.5	6.5	3.4	6.4	3.4	6.4	3.4	6.4	3.3	6.3	3.3	6.3	3.3	6.3	3.3	6.3	3.2	6.3	3.2	6.2	3.2	6.2	3.2	6.3	3.3	6.5	3.4	6.6	3.5	6.7	3.5	6.7	3.6	6.8	3.7	6.9	3.7	6.9	3.7	6.9	3.7	6.9	3.7	6.7	3.6
W	6.5	3.5	6.5	3.4	6.4	3.4	6.3	3.4	6.3	3.3	6.3	3.3	6.2	3.3	6.2	3.2	6.2	3.2	6.2	3.2	6.2	3.2	6.2	3.2	6.2	3.2	6.2	3.2	6.4	3.3	6.5	3.4	6.6	3.5	6.7	3.6	6.7	3.6	6.8	3.6	6.8	3.7	6.9	3.7	6.8	3.7	6.7	3.6
NW	5.9	3.2	5.8	3.1	5.7	3.1	5.7	3.0	5.7	3.0	5.6	3.0	5.6	2.9	5.6	2.9	5.6	2.9	5.6	2.9	5.5	2.9	5.5	2.9	5.5	2.9	5.6	2.9	5.8	3.0	5.9	3.1	6.0	3.2	6.0	3.3	6.1	3.3	6.1	3.3	6.1	3.3	6.1	3.3	6.1	3.3	6.0	3.3
	R2 - 12cm Concrete+2 cm plaster																																															
R	1.1	-2.0	0.3	-2.8	-0.3	-3.4	-0.8	-3.9	-1.3	-4.4	-1.7	-4.8	-2.0	-5.1	-1.8	-5.1	1.5	-2.9	8.2	1.4	14.1	5.3	18.5	8.2	22.1	10.6	23.4	11.7	23.4	12.0	22.8	11.9	20.9	11.0	17.2	9.0	13.1	6.7	8.9	4.1	5.8	2.0	3.6	0.5	2.7	-0.4	1.9	-1.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: AKSARAY (38.23)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	8.2	6.0	7.9	5.8	7.7	5.6	7.6	5.5	7.4	5.3	7.4	5.2	7.3	5.2	7.2	5.1	7.1	5.0	7.1	4.9	7.2	4.9	7.9	5.4
NE	9.1	6.5	8.8	6.2	8.6	6.0	8.5	5.9	8.3	5.7	8.3	5.7	8.2	5.6	8.1	5.5	8.0	5.4	7.9	5.3	8.2	5.4	9.5	6.2
E	10.0	6.9	9.7	6.7	9.6	6.5	9.4	6.4	9.3	6.2	9.2	6.1	9.2	6.1	9.1	6.0	9.0	5.9	8.9	5.8	9.2	5.9	10.7	6.8
SE	10.0	6.9	9.8	6.7	9.6	6.5	9.5	6.4	9.3	6.2	9.2	6.2	9.2	6.1	9.1	6.0	9.0	5.9	8.9	5.8	9.1	5.9	10.2	6.5
S	9.3	6.6	9.0	6.3	8.8	6.1	8.7	6.0	8.5	5.8	8.5	5.8	8.4	5.7	8.3	5.6	8.2	5.5	8.1	5.4	8.2	5.4	8.8	5.8
SW	10.2	7.0	10.0	6.8	9.8	6.6	9.7	6.5	9.5	6.3	9.4	6.3	9.4	6.2	9.3	6.1	9.2	6.0	9.1	5.9	9.2	5.9	9.8	6.3
W	10.6	7.2	10.3	6.9	10.1	6.8	10.0	6.6	9.8	6.5	9.8	6.4	9.7	6.4	9.6	6.3	9.5	6.2	9.4	6.1	9.5	6.1	10.1	6.5
NW	9.5	6.7	9.3	6.4	9.1	6.3	9.0	6.1	8.8	5.9	8.8	5.9	8.7	5.9	8.6	5.8	8.5	5.6	8.4	5.6	8.5	5.6	9.1	6.0
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	8.9	6.4	8.6	6.2	8.5	6.1	8.4	6.0	8.4	6.0	8.3	5.9	8.3	5.9	8.3	5.9	8.3	5.9	8.2	5.8	8.2	5.8	8.3	5.8
NE	9.7	6.8	9.6	6.7	9.5	6.6	9.4	6.5	9.4	6.5	9.3	6.4	9.3	6.4	9.3	6.4	9.3	6.4	9.2	6.3	9.2	6.3	9.3	6.3
E	10.8	7.3	10.6	7.2	10.5	7.1	10.5	7.0	10.4	7.0	10.4	6.9	10.4	6.9	10.3	6.9	10.3	6.9	10.3	6.8	10.2	6.8	10.3	6.9
SE	10.8	7.3	10.6	7.2	10.5	7.1	10.5	7.0	10.4	7.0	10.4	6.9	10.4	6.9	10.3	6.9	10.3	6.9	10.3	6.9	10.3	6.8	10.3	6.8
S	9.9	6.9	9.8	6.8	9.7	6.7	9.6	6.6	9.6	6.6	9.5	6.5	9.5	6.5	9.5	6.5	9.5	6.5	9.4	6.4	9.4	6.4	9.4	6.4
SW	11.2	7.5	10.8	7.3	10.8	7.2	10.7	7.2	10.7	7.1	10.6	7.1	10.6	7.1	10.6	7.0	10.5	7.0	10.5	7.0	10.5	6.9	10.5	6.9
W	11.8	7.9	11.2	7.5	11.1	7.4	11.1	7.4	11.0	7.3	11.0	7.3	11.0	7.2	11.0	7.2	10.9	7.2	10.9	7.2	10.9	7.1	10.9	7.1
NW	10.7	7.3	10.1	6.9	10.0	6.9	10.0	6.8	9.9	6.8	9.9	6.7	9.8	6.7	9.8	6.7	9.8	6.6	9.8	6.6	9.7	6.6	9.8	6.6
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	8.9	6.4	8.5	6.1	8.4	6.0	8.3	6.0	8.3	5.9	8.2	5.8	8.2	5.8	8.1	5.8	8.1	5.7	8.0	5.7	8.0	5.7	8.1	5.7
NE	9.7	6.8	9.5	6.6	9.4	6.5	9.3	6.4	9.2	6.4	9.1	6.3	9.1	6.3	9.1	6.3	9.1	6.2	9.0	6.2	9.0	6.1	9.1	6.2
E	10.7	7.3	10.5	7.1	10.4	7.0	10.3	7.0	10.3	6.9	10.2	6.8	10.2	6.8	10.1	6.8	10.1	6.7	10.0	6.7	10.0	6.7	10.1	6.7
SE	10.7	7.3	10.5	7.1	10.4	7.0	10.3	7.0	10.3	6.9	10.2	6.8	10.2	6.8	10.2	6.8	10.1	6.7	10.1	6.7	10.0	6.7	10.1	6.7
S	9.9	6.9	9.7	6.7	9.6	6.6	9.5	6.5	9.4	6.5	9.4	6.4	9.3	6.4	9.3	6.4	9.3	6.3	9.2	6.3	9.2	6.3	9.2	6.3
SW	11.2	7.6	10.7	7.3	10.6	7.1	10.6	7.1	10.5	7.0	10.4	6.9	10.4	6.9	10.4	6.9	10.3	6.9	10.3	6.8	10.3	6.8	10.3	6.8
W	12.0	7.9	11.1	7.4	11.0	7.3	10.9	7.3	10.9	7.2	10.8	7.1	10.8	7.1	10.8	7.1	10.7	7.0	10.7	7.0	10.6	7.0	10.7	7.0
NW	10.8	7.4	10.0	6.9	9.9	6.8	9.8	6.7	9.8	6.7	9.7	6.6	9.7	6.6	9.6	6.5	9.6	6.5	9.5	6.4	9.5	6.4	9.5	6.4
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	9.0	6.5	8.5	6.1	8.3	6.0	8.2	5.9	8.2	5.8	8.1	5.7	8.0	5.7	8.0	5.7	8.0	5.6	7.9	5.6	7.9	5.5	7.9	5.6
NE	9.7	6.8	9.4	6.6	9.3	6.5	9.2	6.4	9.1	6.3	9.0	6.2	9.0	6.2	9.0	6.2	8.9	6.1	8.9	6.1	8.8	6.0	9.0	6.1
E	10.7	7.3	10.4	7.1	10.3	7.0	10.2	6.9	10.1	6.8	10.0	6.7	10.0	6.7	10.0	6.7	9.9	6.6	9.9	6.6	9.8	6.5	10.0	6.6
SE	10.7	7.3	10.4	7.1	10.3	7.0	10.2	6.9	10.1	6.8	10.0	6.7	10.0	6.7	10.0	6.7	9.9	6.6	9.9	6.6	9.9	6.5	9.9	6.6
S	9.9	6.9	9.6	6.7	9.5	6.6	9.4	6.5	9.3	6.4	9.2	6.3	9.2	6.3	9.2	6.3	9.1	6.2	9.1	6.2	9.0	6.1	9.1	6.1
SW	11.3	7.6	10.7	7.2	10.5	7.1	10.4	7.0	10.4	6.9	10.3	6.8	10.3	6.8	10.2	6.8	10.2	6.7	10.1	6.7	10.1	6.6	10.1	6.6
W	12.0	8.0	11.0	7.4	10.9	7.3	10.8	7.2	10.7	7.1	10.6	7.0	10.6	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.4	6.8	10.5	6.8
NW	10.9	7.4	9.9	6.9	9.8	6.7	9.7	6.6	9.6	6.6	9.5	6.5	9.5	6.5	9.5	6.4	9.5	6.4	9.4	6.3	9.4	6.3	9.4	6.3
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	10.4	4.2	10.4	4.2	10.4	4.1	10.4	4.1	10.4	4.1	10.4	4.1	10.4	4.1	10.4	4.1	10.3	4.1	10.3	4.1	10.5	4.2	10.8	4.3

Hours 13–24

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	8.6	5.9	9.2	6.5	9.8	6.9	10.4	7.3	10.7	7.6	10.8	7.7	10.8	7.8	10.7	7.7	10.3	7.6	10.0	7.3	9.8	7.2	9.1	6.7
NE	10.8	7.0	11.4	7.5	11.4	7.7	11.4	7.9	11.5	8.0	11.7	8.2	11.7	8.2	11.6	8.2	11.2	8.0	10.8	7.8	10.3	7.4	9.5	6.9
E	12.3	7.8	13.1	8.4	13.3	8.6	13.2	8.8	12.8	8.7	12.6	8.7	12.6	8.7	12.5	8.7	12.2	8.5	11.8	8.2	11.3	7.9	10.5	7.3
SE	11.7	7.5	12.7	8.2	13.2	8.6	13.5	8.9	13.4	9.0	13.1	8.9	12.6	8.7	12.5	8.7	12.2	8.5	11.8	8.2	11.3	7.9	10.5	7.3
S	9.6	6.4	10.6	7.2	11.5	7.8	12.3	8.3	12.7	8.6	12.9	8.8	12.7	8.7	12.3	8.6	11.8	8.3	11.0	7.9	10.5	7.5	9.7	7.0
SW	10.6	6.9	11.3	7.5	11.9	7.9	12.4	8.4	13.1	8.8	13.8	9.2	14.2	9.5	14.1	9.5	14.2	9.5	13.4	9.1	12.6	8.6	11.4	7.8
W	10.9	7.1	11.6	7.7	12.2	8.1	12.7	8.5	13.0	8.8	13.5	9.1	14.2	9.5	14.5	9.7	15.0	9.9	14.4	9.5	13.7	9.1	12.5	8.3
NW	9.9	6.6	10.6	7.2	11.2	7.6	11.7	8.0	12.0	8.3	12.2	8.4	12.3	8.5	12.7	8.7	13.1	8.9	12.8	8.7	12.3	8.4	11.4	7.8
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	8.5	6.0	8.7	6.1	8.9	6.3	9.1	6.5	9.3	6.6	9.4	6.7	9.4	6.7	9.4	6.7	9.4	6.7	9.3	6.7	9.2	6.6	9.1	6.5
NE	9.7	6.6	10.1	6.9	10.3	7.0	10.3	7.1	10.3	7.1	10.4	7.2	10.4	7.2	10.4	7.2	10.4	7.2	10.3	7.2	10.1	7.1	10.0	7.0
E	10.8	7.1	11.3	7.5	11.6	7.7	11.7	7.7	11.6	7.8	11.5	7.8	11.4	7.7	11.4	7.8	11.4	7.7	11.3	7.7	11.2	7.6	11.0	7.5
SE	10.7	7.1	11.2	7.4	11.5	7.6	11.6	7.7	11.7	7.8	11.7	7.9	11.6	7.8	11.4	7.8	11.4	7.7	11.3	7.7	11.2	7.6	11.0	7.5
S	9.6	6.5	9.9	6.7	10.2	7.0	10.5	7.2	10.7	7.3	10.9	7.4	10.9	7.5	10.9	7.5	10.8	7.4	10.6	7.3	10.4	7.2	10.2	7.1
SW	10.7	7.1	11.0	7.3	11.2	7.5	11.4	7.6	11.5	7.7	11.8	7.9	12.0	8.0	12.1	8.1	12.1	8.1	12.1	8.1	11.9	8.0	11.6	7.8
W	11.1	7.3	11.3	7.5	11.6	7.6	11.8	7.8	11.9	7.9	12.0	8.0	12.2	8.1	12.4	8.2	12.5	8.3	12.7	8.4	12.4	8.2	12.2	8.1
NW	10.0	6.7	10.2	6.9	10.4	7.1	10.6	7.2	10.8	7.4	10.9	7.4	10.9	7.5	11.0	7.5	11.1	7.6	11.2	7.7	11.1	7.6	11.0	7.5
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	8.4	5.9	8.7	6.1	9.0	6.3	9.2	6.5	9.5	6.7	9.6	6.8	9.6	6.9	9.6	6.9	9.6	6.9	9.4	6.8	9.3	6.7	9.2	6.6
NE	9.7	6.5	10.2	6.9	10.5	7.1	10.5	7.2	10.5	7.2	10.6	7.3	10.6	7.4	10.6	7.4	10.6	7.4	10.4	7.3	10.2	7.2	10.0	7.1
E	10.8	7.1	11.5	7.5	11.9	7.8	11.9	7.9	11.9	7.9	11.7	7.9	11.6	7.9	11.6	7.9	11.6	7.9	11.5	7.8	11.3	7.7	11.1	7.6
SE	10.6	7.0	11.3	7.4	11.7	7.7	11.9	7.9	12.0	8.0	12.0	8.0	11.8	8.0	11.6	7.9	11.6	7.9	11.5	7.8	11.3	7.7	11.1	7.6
S	9.5	6.4	9.8	6.7	10.3	7.0	10.7	7.3	11.0	7.5	11.2	7.6	11.3	7.7	11.2	7.7	11.0	7.6	10.8	7.5	10.5	7.3	10.2	7.2
SW	10.5	6.9	10.9	7.2	11.2	7.5	11.5	7.7	11.7	7.8	12.0	8.0	12.3	8.2	12.5	8.3	12.4	8.3	12.5	8.3	12.1	8.1	11.8	7.9
W	10.9	7.1	11.3	7.4	11.6	7.6	11.8	7.8	12.1	8.0	12.2	8.1	12.4	8.3	12.7	8.4	12.8	8.5	13.1	8.6	12.8	8.5	12.5	8.3
NW	9.8	6.6	10.2	6.8	10.5	7.1	10.7	7.3	11.0	7.5	11.1	7.6	11.1	7.6	11.2	7.7	11.4	7.8	11.6	7.9	11.4	7.8	11.2	7.7
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	8.3	5.8	8.7	6.1	9.0	6.4	9.3	6.6	9.6	6.8	9.7	7.0	9.8	7.0	9.8	7.0	9.8	7.0	9.6	6.9	9.4	6.8	9.3	6.7
NE	9.7	6.5	10.3	6.9	10.6	7.2	10.6	7.3	10.6	7.3	10.7	7.4	10.8	7.5	10.8	7.5	10.7	7.5	10.5	7.4	10.3	7.3	10.1	7.1
E	10.8	7.0	11.6	7.6	12.1	7.9	12.1	8.0	12.1	8.1	11.9	8.0	11.8	8.0	11.8	8.0	11.7	8.0	11.6	7.9	11.4	7.8	11.1	7.6
SE	10.5	6.9	11.3	7.4	11.9	7.8	12.1	8.0	12.3	8.2	12.2	8.2	12.0	8.1	11.8	8.0	11.7	8.0	11.6	7.9	11.4	7.8	11.1	7.6
S	9.4	6.3	9.8	6.6	10.3	7.0	10.8	7.3	11.2	7.6	11.4	7.8	11.5	7.9	11.4	7.8	11.2	7.8	10.9	7.6	10.6	7.4	10.3	7.2
SW	10.4	6.8	10.8	7.2	11.2	7.5	11.5	7.7	11.8	7.9	12.2	8.2	12.5	8.4	12.7	8.5	12.7	8.5	12.8	8.5	12.3	8.3	11.9	8.0
W	10.8	7.0	11.2	7.3	11.6	7.6	11.9	7.9	12.2	8.1	12.3	8.2	12.6	8.4	12.9	8.6	13.1	8.7	13.3	8.8	13.0	8.6	12.6	8.4
NW	9.7	6.5	10.1	6.8	10.5	7.1	10.8	7.3	11.1	7.6	11.2	7.7	11.3	7.8	11.4	7.8	11.6	7.9	11.8	8.0	11.6	7.9	11.4	7.8
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	11.2	4.6	11.4	4.7	11.7	4.9	12.1	5.1	12.2	5.1	12.1	5.1	12.0	5.0	11.7	4.9	11.4	4.8	11.2	4.6	10.9	4.5	10.6	4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: AKSARAY (38.23)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																												
N	5.5	3.6	5.3	3.4	5.2	3.3	5.2	3.3	5.3	3.4	5.2	3.3	5.2	3.3	5.1	3.1	5.1	3.2	5.7	3.5	6.7	4.1	7.4	4.6	8.1	5.1	8.7	5.5	8.9	5.7	9.1	5.8	9.1	5.8	9.1	5.8	8.8	5.6	8.4	5.4	7.8	5.1	7.4	4.8	6.4	4.2	5.6	3.7
NE	6.2	3.9	6.0	3.7	5.9	3.6	5.9	3.6	6.0	3.7	5.9	3.7	5.9	3.6	5.7	3.5	5.8	3.5	6.6	4.0	8.2	4.9	9.9	5.9	10.2	6.1	10.3	6.3	9.8	6.1	9.8	6.2	9.8	6.2	9.7	6.1	9.5	6.0	9.1	5.8	8.5	5.4	7.7	4.9	6.9	4.5	6.3	4.0
E	7.0	4.3	6.8	4.1	6.7	4.0	6.7	4.0	6.8	4.1	6.7	4.1	6.7	4.0	6.6	3.9	6.6	3.9	7.5	4.4	9.3	5.4	11.5	6.7	12.0	7.0	12.4	7.4	12.6	7.5	11.3	6.9	10.7	6.6	10.6	6.5	10.3	6.4	9.9	6.2	9.3	5.8	8.5	5.3	7.8	4.9	7.1	4.5
SE	7.0	4.3	6.7	4.1	6.7	4.0	6.7	4.0	6.8	4.1	6.7	4.0	6.6	4.0	6.5	3.9	6.6	3.9	7.2	4.3	8.7	5.1	10.6	6.3	11.5	6.8	12.4	7.4	13.3	7.9	12.5	7.5	11.5	7.0	10.5	6.5	10.3	6.4	9.9	6.1	9.2	5.8	8.5	5.3	7.7	4.9	7.1	4.4
S	6.7	4.2	6.5	4.0	6.4	3.9	6.4	3.9	6.5	4.0	6.4	3.9	6.4	3.9	6.3	3.8	6.3	3.8	6.8	4.1	7.7	4.6	8.6	5.2	9.7	5.9	10.8	6.6	12.0	7.3	12.4	7.4	12.2	7.4	11.7	7.1	10.9	6.7	9.9	6.2	9.0	5.6	8.2	5.2	7.5	4.7	6.8	4.3
SW	7.0	4.3	6.7	4.1	6.7	4.0	6.7	4.0	6.7	4.1	6.7	4.0	6.6	4.0	6.5	3.9	6.6	3.9	7.0	4.2	7.9	4.8	8.8	5.3	9.5	5.8	10.2	6.2	10.4	6.4	11.5	7.0	12.4	7.4	12.7	7.6	12.4	7.4	11.5	7.0	10.8	6.5	9.6	5.9	7.9	5.0	7.1	4.4
W	6.9	4.3	6.7	4.1	6.6	4.0	6.6	4.0	6.7	4.1	6.6	4.0	6.6	4.0	6.5	3.8	6.5	3.9	7.0	4.2	7.8	4.7	8.7	5.3	9.5	5.8	10.1	6.2	10.3	6.4	10.5	6.5	11.2	6.8	12.1	7.3	12.4	7.4	11.8	7.1	11.4	6.8	10.4	6.3	8.1	5.0	7.0	4.4
NW	6.2	3.9	5.9	3.7	5.9	3.6	5.9	3.6	6.0	3.7	5.9	3.7	5.9	3.6	5.7	3.5	5.8	3.5	6.3	3.8	7.1	4.4	8.0	4.9	8.7	5.4	9.4	5.8	9.6	6.1	9.8	6.1	9.8	6.2	9.9	6.2	10.4	6.4	10.3	6.3	10.1	6.2	9.4	5.7	7.3	4.7	6.3	4.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																											
N	6.9	4.4	6.8	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.2	6.7	4.2	6.7	4.3	6.8	4.3	6.9	4.4	7.0	4.4	7.0	4.5	7.0	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.0	4.5	7.0	4.5	6.9	4.4
NE	7.7	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.7	7.6	4.7	7.8	4.8	7.9	4.9	8.0	4.9	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.9
E	8.8	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.2	8.8	5.3	9.1	5.5	9.1	5.5	9.1	5.5	9.2	5.5	9.0	5.5	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.8	5.4
SE	8.8	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.8	5.3	9.0	5.4	9.1	5.5	9.1	5.5	9.2	5.6	9.2	5.5	9.1	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.8	5.4
S	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.0	8.3	5.1	8.4	5.2	8.5	5.2	8.7	5.3	8.8	5.3	8.8	5.4	8.8	5.4	8.7	5.3	8.7	5.3	8.6	5.2	8.5	5.2
SW	8.8	5.4	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.2	8.7	5.3	8.8	5.3	8.8	5.4	8.9	5.4	8.9	5.4	9.0	5.5	9.1	5.5	9.1	5.5	9.0	5.5	8.9	5.4
W	8.8	5.4	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.4	5.1	8.5	5.1	8.5	5.2	8.6	5.2	8.7	5.3	8.7	5.3	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.4	9.0	5.5	9.0	5.5	9.0	5.4	8.9	5.4
NW	7.9	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.7	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.7	7.5	4.7	7.6	4.7	7.7	4.8	7.8	4.8	7.8	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	8.0	5.0	8.0	4.9	7.9	4.9
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																										
N	6.7	4.3	6.5	4.2	6.4	4.1	6.4	4.1	6.4	4.0	6.4	4.0	6.4	4.1	6.4	4.0	6.3	4.0	6.3	4.0	6.3	4.0	6.5	4.1	6.8	4.3	7.0	4.4	7.2	4.6	7.4	4.7	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.4	4.7	7.3	4.7	7.1	4.6	7.0	4.5
NE	7.5	4.7	7.3	4.6	7.3	4.5	7.2	4.5	7.2	4.5	7.2	4.4	7.2	4.5	7.2	4.5	7.2	4.4	7.1	4.4	7.2	4.4	7.4	4.6	7.9	4.8	8.4	5.1	8.4	5.2	8.5	5.2	8.3	5.2	8.3	5.2	8.4	5.2	8.3	5.2	8.2	5.1	8.1	5.1	7.9	5.0	7.7	4.8
E	8.5	5.2	8.3	5.1	8.3	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.2	5.0	8.2	5.0	8.2	4.9	8.1	4.9	8.2	4.9	8.4	5.1	8.9	5.4	9.6	5.7	9.7	5.8	9.9	5.9	9.9	6.0	9.5	5.8	9.3	5.7	9.3	5.7	9.2	5.6	9.1	5.6	8.9	5.5	8.7	5.3
SE	8.5	5.2	8.3	5.1	8.3	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.2	5.0	8.2	5.0	8.2	4.9	8.1	4.9	8.1	4.9	8.3	5.0	8.8	5.3	9.3	5.6	9.6	5.8	9.9	5.9	10.1	6.1	9.9	6.0	9.6	5.8	9.3	5.7	9.2	5.6	9.1	5.6	8.9	5.5	8.7	5.3
S	8.1	5.0	8.0	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.9	4.8	7.8	4.8	7.8	4.8	7.8	4.7	7.8	4.7	7.9	4.8	8.2	5.0	8.5	5.2	8.8	5.4	9.1	5.6	9.5	5.8	9.6	5.8	9.5	5.8	9.4	5.7	9.2	5.6	8.9	5.5	8.6	5.3	8.4	5.2
SW	8.5	5.2	8.3	5.0	8.2	5.0	8.2	4.9	8.1	4.9	8.1	4.9	8.2	5.0	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.2	5.0	8.5	5.1	8.8	5.3	9.0	5.5	9.2	5.6	9.2	5.6	9.6	5.8	9.8	5.9	9.9	6.0	9.8	5.9	9.6	5.8	9.3	5.7	9.0	5.5
W	8.5	5.2	8.2	5.0	8.1	5.0	8.1	4.9	8.0	4.9	8.0	4.9	8.1	4.9	8.1	4.9	8.0	4.9	8.0	4.8	8.0	4.9	8.2	4.9	8.4	5.1	8.7	5.3	8.9	5.4	9.1	5.5	9.2	5.6	9.2	5.6	9.4	5.7	9.7	5.9	9.8	5.9	9.6	5.8	9.5	5.7	9.2	5.6
NW	7.6	4.8	7.3	4.6	7.3	4.5	7.2	4.5	7.2	4.4	7.2	4.4	7.2	4.5	7.2	4.5	7.2	4.4	7.1	4.4	7.2	4.4	7.3	4.5	7.5	4.7	7.8	4.8	8.0	5.0	8.2	5.1	8.3	5.2	8.3	5.2	8.3	5.2	8.4	5.2	8.5	5.3	8.5	5.3	8.4	5.2	8.2	5.1
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																										
N	6.9	4.4	6.8	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.8	4.3	6.8	4.3	6.9	4.4	6.9	4.4	7.0	4.4	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.4	6.9	4.4
NE	7.7	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.8	4.8	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.8
E	8.8	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.3	8.8	5.3	9.0	5.4	9.0	5.5	9.1	5.5	9.1	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.4
SE	8.8	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.3	8.8	5.3	8.9	5.4	9.0	5.4	9.1	5.5	9.1	5.5	9.1	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.4
S	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.3	5.1	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.1	8.4	5.1	8.4	5.2	8.5	5.2	8.6	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.3	8.5	5.2	8.5	5.2
SW	8.8	5.4	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.3	8.8	5.3	8.8	5.3	8.9	5.4	8.9	5.4	9.0	5.4	9.0	5.5	9.1	5.5	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.4
W	8.8	5.3	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.2	8.7	5.3	8.7	5.3	8.8	5.3	8.8	5.4	8.8	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4
NW	7.9	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.7	4.8	7.7	4.8	7.8	4.8	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9
	R2 - 12cm Concrete+2 cm plaster																																										
R	3.7	0.3	3.7	0.3	3.9	0.5	3.7	0.4	3.6	0.3	3.4	0.0	3.5	0.1	5.1	1.0	8.5	2.9	13.0	5.5	16.3	7.4	19.8	9.4	24.2	11.8	24.9	12.1	24.2	11.7	22.6	10.9	19.9	9.5	16.4	7.8	13.5	6.2	10.1	4.3	6.5	2.4	4.6	1.2	4.3	0.9	3.8	0.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :AMASYA (40.40)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	7.3	9.1	7.1	9.0	7.0	8.7	6.7	8.5	6.5	8.1	6.1	7.9	5.9	7.7	5.7	7.6	5.6	7.5	5.4	7.6	5.5	8.5	6.2	9.3	6.8	10.0	7.3	10.7	7.9	11.2	8.4	11.6	8.8	11.9	9.1	11.9	9.1	11.9	9.1	11.5	8.9	11.1	8.6	10.6	8.2	9.8	7.6
NE	10.4	7.8	10.1	7.6	10.0	7.5	9.7	7.2	9.5	7.0	9.1	6.6	8.9	6.4	8.8	6.2	8.6	6.1	8.5	6.0	8.7	6.1	10.0	6.9	11.8	8.1	12.4	8.6	12.5	8.9	12.3	9.0	12.7	9.3	12.9	9.6	13.0	9.6	12.9	9.6	12.6	9.4	12.1	9.1	11.5	8.6	10.7	8.1
E	11.5	8.4	11.3	8.2	11.2	8.1	10.9	7.8	10.7	7.6	10.3	7.1	10.1	6.9	9.9	6.8	9.8	6.6	9.6	6.5	9.9	6.7	11.3	7.5	13.6	8.9	14.6	9.6	14.9	10.0	14.7	10.1	14.3	10.1	14.1	10.2	14.1	10.2	14.0	10.2	13.7	10.0	13.2	9.6	12.6	9.2	11.9	8.7
SE	11.5	8.4	11.3	8.2	11.2	8.1	10.8	7.7	10.7	7.6	10.2	7.1	10.0	6.9	9.9	6.8	9.7	6.6	9.6	6.5	9.8	6.6	11.0	7.4	12.9	8.6	14.1	9.4	14.8	10.0	15.1	10.3	15.1	10.5	14.7	10.4	14.1	10.2	14.0	10.2	13.7	10.0	13.2	9.6	12.6	9.2	11.9	8.7
S	11.1	8.2	10.8	8.0	10.7	7.8	10.4	7.5	10.2	7.3	9.8	6.9	9.6	6.7	9.4	6.6	9.3	6.4	9.2	6.3	9.3	6.4	10.1	7.0	11.0	7.6	12.1	8.4	13.2	9.2	14.0	9.8	14.7	10.3	14.9	10.6	14.7	10.5	14.4	10.4	13.6	10.0	12.8	9.4	12.2	9.0	11.4	8.5
SW	11.7	8.5	11.5	8.3	11.4	8.2	11.1	7.9	10.9	7.7	10.5	7.2	10.3	7.0	10.1	6.9	9.9	6.7	9.8	6.6	10.0	6.7	10.8	7.3	11.7	8.0	12.4	8.5	13.0	9.1	13.6	9.6	14.6	10.3	15.5	10.9	16.0	11.1	16.2	11.3	15.8	11.1	15.2	10.6	13.5	9.6	12.2	8.8
W	11.7	8.5	11.5	8.3	11.4	8.2	11.1	7.8	10.9	7.7	10.4	7.2	10.2	7.0	10.1	6.9	9.9	6.7	9.8	6.6	10.0	6.7	10.8	7.3	11.7	8.0	12.3	8.5	13.0	9.1	13.5	9.6	14.0	10.0	14.7	10.5	15.6	10.9	16.2	11.3	16.2	11.3	15.9	11.0	13.9	9.9	12.3	8.9
NW	10.5	7.9	10.3	7.7	10.2	7.6	9.9	7.3	9.7	7.1	9.3	6.7	9.1	6.5	8.9	6.3	8.8	6.2	8.7	6.0	8.8	6.1	9.6	6.7	10.5	7.4	11.2	7.9	11.9	8.5	12.4	9.0	12.8	9.4	13.1	9.7	13.2	9.8	13.9	10.2	14.1	10.2	14.0	10.1	12.6	9.2	11.1	8.3
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.7	7.4	9.5	7.3	9.5	7.2	9.4	7.2	9.3	7.1	9.3	7.0	9.1	6.9	9.1	6.8	9.0	6.8	9.0	6.7	8.9	6.7	9.0	6.7	9.3	6.9	9.5	7.1	9.7	7.3	10.0	7.5	10.1	7.6	10.3	7.8	10.4	7.9	10.4	7.9	10.3	7.9	10.2	7.8	10.1	7.7	9.9	7.6
NE	10.8	8.0	10.7	7.9	10.6	7.8	10.6	7.8	10.5	7.7	10.4	7.6	10.3	7.5	10.2	7.4	10.2	7.4	10.1	7.3	10.1	7.3	10.2	7.3	10.6	7.6	11.1	7.9	11.3	8.1	11.4	8.2	11.3	8.2	11.4	8.3	11.5	8.4	11.5	8.4	11.5	8.4	11.4	8.4	11.2	8.3	11.0	8.1
E	12.1	8.6	12.0	8.5	11.9	8.4	11.9	8.4	11.7	8.3	11.7	8.2	11.6	8.1	11.5	8.0	11.4	8.0	11.4	7.9	11.4	7.9	11.4	7.9	11.9	8.2	12.6	8.7	12.9	8.9	13.0	9.0	13.0	9.1	12.8	9.1	12.8	9.1	12.8	9.1	12.8	9.1	12.7	9.0	12.5	8.9	12.3	8.8
SE	12.1	8.6	12.0	8.5	11.9	8.4	11.8	8.4	11.7	8.3	11.7	8.2	11.5	8.1	11.5	8.0	11.4	8.0	11.4	7.9	11.4	7.9	11.4	7.9	11.8	8.2	12.4	8.6	12.8	8.8	13.0	9.0	13.1	9.1	13.1	9.2	13.0	9.2	12.8	9.1	12.8	9.1	12.7	9.0	12.5	8.9	12.3	8.8
S	11.6	8.3	11.4	8.2	11.4	8.2	11.3	8.1	11.2	8.0	11.2	8.0	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	10.8	7.6	10.9	7.7	11.2	7.9	11.4	8.1	11.8	8.3	12.1	8.6	12.4	8.8	12.6	8.9	12.7	9.0	12.6	9.0	12.5	9.0	12.3	8.8	12.0	8.6	11.8	8.5
SW	12.3	8.7	12.2	8.6	12.1	8.5	12.1	8.5	12.0	8.4	11.9	8.3	11.8	8.2	11.7	8.1	11.7	8.1	11.6	8.0	11.6	8.0	11.6	8.0	11.9	8.2	12.2	8.4	12.4	8.6	12.6	8.8	12.8	9.0	13.1	9.2	13.4	9.4	13.5	9.5	13.6	9.5	13.5	9.4	13.3	9.3	12.7	9.0
W	12.3	8.7	12.2	8.6	12.1	8.5	12.1	8.5	12.0	8.4	11.9	8.3	11.8	8.2	11.7	8.1	11.7	8.1	11.6	8.0	11.6	8.0	11.6	8.0	11.9	8.2	12.2	8.4	12.4	8.6	12.6	8.8	12.8	8.9	12.9	9.1	13.1	9.2	13.4	9.4	13.6	9.5	13.6	9.5	13.5	9.4	12.9	9.0
NW	11.0	8.1	10.9	8.0	10.8	7.9	10.8	7.9	10.7	7.7	10.6	7.7	10.5	7.6	10.4	7.5	10.4	7.4	10.3	7.4	10.3	7.4	10.3	7.4	10.6	7.6	10.8	7.8	11.1	8.0	11.3	8.2	11.5	8.3	11.6	8.4	11.7	8.5	11.7	8.6	11.9	8.7	12.0	8.7	12.0	8.6	11.5	8.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.7	7.4	9.5	7.3	9.4	7.2	9.3	7.2	9.2	7.0	9.1	6.9	8.9	6.7	8.9	6.7	8.8	6.6	8.7	6.5	8.7	6.5	8.8	6.5	9.2	6.8	9.5	7.1	9.8	7.3	10.1	7.6	10.3	7.8	10.5	7.9	10.6	8.1	10.6	8.1	10.6	8.1	10.5	8.0	10.3	7.8	10.1	7.7
NE	10.8	8.0	10.6	7.9	10.5	7.8	10.5	7.7	10.3	7.6	10.3	7.5	10.1	7.3	10.0	7.2	9.9	7.2	9.9	7.1	9.8	7.0	9.9	7.1	10.5	7.5	11.3	8.0	11.5	8.2	11.6	8.3	11.5	8.3	11.6	8.5	11.7	8.6	11.8	8.6	11.7	8.6	11.6	8.6	11.4	8.4	11.1	8.2
E	12.0	8.6	11.9	8.5	11.8	8.4	11.7	8.3	11.6	8.2	11.5	8.1	11.3	7.9	11.2	7.9	11.2	7.8	11.1	7.7	11.1	7.7	11.2	7.7	11.8	8.1	12.8	8.7	13.2	9.0	13.3	9.2	13.3	9.2	13.1	9.2	13.0	9.2	13.0	9.3	13.0	9.3	12.9	9.2	12.6	9.0	12.4	8.8
SE	12.0	8.6	11.9	8.5	11.8	8.4	11.7	8.3	11.6	8.2	11.5	8.1	11.3	7.9	11.2	7.9	11.2	7.8	11.1	7.7	11.1	7.7	11.2	7.7	11.7	8.0	12.5	8.6	13.0	8.9	13.3	9.2	13.4	9.3	13.4	9.4	13.3	9.4	13.0	9.3	13.0	9.3	12.8	9.2	12.6	9.0	12.4	8.8
S	11.5	8.4	11.4	8.2	11.3	8.1	11.2	8.1	11.1	7.9	11.0	7.9	10.8	7.7	10.7	7.6	10.7	7.5	10.6	7.5	10.6	7.4	10.6	7.5	11.0	7.7	11.4	8.0	11.8	8.3	12.3	8.7	12.7	8.9	13.0	9.2	13.1	9.3	13.0	9.3	12.8	9.2	12.5	9.0	12.1	8.8	11.9	8.6
SW	12.3	8.7	12.1	8.6	12.0	8.5	12.0	8.5	11.8	8.3	11.7	8.2	11.5	8.0	11.5	8.0	11.4	7.9	11.3	7.8	11.3	7.8	11.4	7.8	11.7	8.1	12.1	8.4	12.4	8.6	12.7	8.9	12.9	9.1	13.4	9.4	13.8	9.6	14.0	9.7	14.1	9.8	13.9	9.7	13.6	9.5	12.9	9.1
W	12.3	8.8	12.1	8.6	12.0	8.5	11.9	8.4	11.8	8.3	11.7	8.2	11.5	8.0	11.5	8.0	11.4	7.9	11.3	7.8	11.3	7.8	11.3	7.8	11.7	8.1	12.1	8.4	12.4	8.6	12.7	8.9	12.9	9.1	13.1	9.2	13.4	9.4	13.8	9.6	14.1	9.8	14.1	9.8	13.9	9.7	13.0	9.2
NW	11.0	8.1	10.8	7.9	10.7	7.9	10.7	7.8	10.5	7.7	10.4	7.6	10.3	7.4	10.2	7.3	10.1	7.3	10.0	7.2	10.0	7.1	10.1	7.2	10.4	7.4	10.8	7.7	11.1	8.0	11.4	8.2	11.6	8.4	11.8	8.6	11.9	8.7	12.0	8.8	12.3	8.9	12.4	9.0	12.3	8.9	11.7	8.5
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.7	7.5	9.5	7.3	9.4	7.2	9.3	7.1	9.1	7.0	9.0	6.9	8.8	6.6	8.7	6.5	8.6	6.5	8.5	6.4	8.5	6.3	8.6	6.4	9.1	6.7	9.5	7.0	9.8	7.3	10.2	7.6	10.4	7.8	10.7	8.1	10.8	8.2	10.8	8.2	10.8	8.2	10.6	8.1	10.4	8.0	10.2	7.8
NE	10.8	8.0	10.6	7.9	10.5	7.7	10.4	7.7	10.2	7.5	10.2	7.4	9.9	7.2	9.8	7.1	9.7	7.0	9.7	6.9	9.6	6.9	9.7	7.0	10.4	7.4	11.3	8.0	11.7	8.2	11.7	8.4	11.6	8.4	11.8	8.6	11.9	8.8	11.9	8.8	11.9	8.8	11.7	8.7	11.5	8.5	11.2	8.3
E	12.0	8.6	11.8	8.5	11.7	8.4	11.7	8.3	11.5	8.1	11.4	8.0	11.2	7.8	11.1	7.7	11.0	7.6	10.9	7.6	10.9	7.5	11.0	7.6	11.7	8.0	12.9	8.7	13.4	9.1	13.6	9.3	13.5	9.4	13.3	9.4	13.2	9.4	13.2	9.4	13.1	9.4	13.0	9.3	12.7	9.1	12.4	8.9
SE	12.0	8.6	11.8	8.5	11.7	8.4	11.6	8.3	11.5	8.1	11.4	8.0	11.2	7.8	11.1	7.7	11.0	7.6	10.9	7.6	10.8	7.5	11.0	7.6	11.6	7.9	12.5	8.6	13.2	9.0	13.6	9.3	13.7	9.5	13.7	9.6	13.5	9.5	13.2	9.4	13.1	9.4	13.0	9.3	12.7	9.1	12.4	8.9
S	11.5	8.4	11.3	8.2	11.2	8.1	11.2	8.1	11.0	7.9	10.9	7.8	10.7	7.6	10.6	7.5	10.5	7.4	10.4	7.3	10.3	7.2	10.4	7.3	10.9	7.6	11.3	7.9	11.9	8.3	12.4	8.8	12.9	9.1	13.2	9.3	13.3	9.5	13.2	9.4	13.1	9.4	12.7	9.2	12.2	8.9	11.9	8.6
SW	12.3	8.8	12.0	8.6	11.9	8.5	11.9	8.4	11.7	8.2	11.6	8.1	11.4	7.9	11.3	7.8	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.7	11.6	8.0	12.0	8.3	12.4	8.6	12.7	8.9	13.0	9.1	13.6	9.5	14.0	9.8	14.3	10.0	14.4	10.0	14.2	9.9	13.8	9.7	12.9	9.2
W	12.3	8.8	12.0	8.6	11.9	8.5	11.9	8.4	11.7	8.2	11.6	8.1	11.4	7.9	11.3	7.8	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.6	8.0	12.0	8.3	12.4	8.6	12.7	8.9	13.0	9.1	13.2	9.4	13.6	9.6	14.0	9.8	14.4	10.0	14.4	10.0	14.2	9.9	13.2	9.3
NW	11.1	8.1	10.8	7.9	10.7	7.8	10.6	7.8	10.4	7.6	10.3	7.5	10.1	7.3	10.0	7.2	9.9	7.1	9.8	7.0	9.8	7.0	9.9	7.0	10.3	7.3	10.7	7.7	11.1	8.0	11.5	8.3	11.7	8.5	12.0	8.7	12.1	8.9	12.2	8.9	12.5	9.1	12.6	9.1	12.6	9.1	11.8	8.6
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	14.6	7.9	14.5	7.8	14.5	7.8	14.4	7.7	14.3	7.6	14.2	7.5	14.1	7.4	14.1	7.4	14.0	7.3	14.0	7.3	14.1	7.3	14.5	7.6	15.0	7.9	15.5	8.2	15.9	8.5	16.2	8.7	16.4	8.9	16.5	8.9	16.4	8.9	16.2	8.9	15.9	8.7	15.6	8.5	15.1	8.2	14.7	8.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :AMASYA (40.40)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	8.8	7.0	8.6	6.8	8.1	6.3	7.8	6.0	7.1	5.3	6.7	4.9	6.5	4.7	6.2	4.4	6.1	4.3	6.4	4.4	7.9	5.5	9.1	6.5	10.2	7.4	11.3	8.3	12.2	9.1	12.9	9.8	13.3	10.2	13.4	10.3	13.3	10.3	12.8	10.0	12.0	9.4	11.3	8.8	9.9	7.8	9.1	7.3
NE	9.7	7.4	9.5	7.3	9.0	6.7	8.7	6.4	8.0	5.7	7.7	5.4	7.4	5.2	7.2	4.9	7.0	4.7	7.4	4.9	9.5	6.3	12.5	8.2	13.5	9.0	13.6	9.5	13.3	9.6	13.9	10.2	14.3	10.7	14.3	10.7	14.2	10.8	13.7	10.4	12.9	9.8	11.9	9.1	10.7	8.3	10.1	7.8
E	10.7	8.0	10.6	7.8	10.0	7.2	9.7	6.9	9.0	6.2	8.7	5.9	8.5	5.7	8.2	5.4	8.0	5.2	8.4	5.5	10.7	6.9	14.4	9.2	16.1	10.3	16.6	11.0	16.3	11.2	15.6	11.1	15.3	11.2	15.4	11.3	15.2	11.3	14.7	11.0	13.9	10.4	12.9	9.6	11.7	8.8	11.1	8.3
SE	10.7	7.9	10.5	7.8	10.0	7.2	9.7	6.9	9.0	6.2	8.7	5.9	8.4	5.7	8.2	5.4	8.0	5.2	8.3	5.4	10.2	6.6	13.4	8.6	15.3	10.0	16.5	11.0	17.0	11.5	16.9	11.8	16.3	11.7	15.3	11.3	15.2	11.3	14.7	10.9	13.9	10.3	12.9	9.6	11.7	8.8	11.1	8.3
S	10.3	7.7	10.1	7.6	9.6	7.0	9.3	6.7	8.6	6.0	8.3	5.7	8.0	5.5	7.8	5.2	7.6	5.0	7.9	5.2	9.2	6.1	10.6	7.2	12.4	8.5	14.2	9.8	15.6	10.8	16.6	11.6	17.1	12.0	16.7	12.0	16.2	11.7	14.9	11.1	13.5	10.2	12.5	9.4	11.3	8.6	10.7	8.1
SW	10.9	8.0	10.7	7.9	10.2	7.3	9.9	7.0	9.2	6.3	8.9	6.0	8.6	5.8	8.4	5.5	8.2	5.3	8.5	5.5	9.8	6.4	11.2	7.5	12.3	8.5	13.4	9.4	14.3	10.1	16.1	11.3	17.6	12.3	18.3	12.7	18.7	13.0	18.0	12.6	16.9	11.9	14.1	10.2	12.0	8.9	11.3	8.4
W	10.9	8.0	10.7	7.9	10.2	7.3	9.9	7.0	9.2	6.3	8.9	6.0	8.6	5.8	8.4	5.5	8.2	5.3	8.4	5.5	9.8	6.4	11.2	7.5	12.3	8.5	13.4	9.4	14.3	10.1	15.1	10.8	16.2	11.6	17.6	12.4	18.7	13.0	18.7	13.0	18.2	12.5	14.9	10.6	12.2	9.0	11.3	8.4
NW	9.9	7.5	9.7	7.3	9.1	6.8	8.8	6.5	8.1	5.8	7.8	5.5	7.6	5.2	7.3	5.0	7.1	4.8	7.4	4.9	8.7	5.9	10.1	7.0	11.3	7.9	12.4	8.9	13.2	9.6	14.0	10.3	14.4	10.7	14.7	10.9	15.7	11.5	16.1	11.7	16.0	11.4	13.5	9.9	11.1	8.5	10.2	7.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.8	7.4	9.6	7.3	9.6	7.3	9.5	7.3	9.5	7.2	9.5	7.2	9.4	7.2	9.4	7.1	9.3	7.1	9.3	7.0	9.3	7.0	9.3	7.0	9.3	7.0	9.5	7.1	9.6	7.2	9.7	7.3	9.8	7.4	9.9	7.5	9.9	7.5	10.0	7.6	10.0	7.6	10.0	7.6	9.9	7.5	9.9	7.5
NE	10.9	8.0	10.8	7.9	10.8	7.9	10.7	7.8	10.7	7.8	10.7	7.8	10.6	7.7	10.6	7.7	10.5	7.6	10.5	7.6	10.5	7.6	10.5	7.6	10.5	7.6	10.7	7.7	11.0	7.9	11.1	8.0	11.1	8.0	11.1	8.1	11.1	8.1	11.2	8.1	11.2	8.2	11.2	8.2	11.1	8.1	11.0	8.1
E	12.2	8.7	12.1	8.6	12.1	8.5	12.0	8.5	12.0	8.5	12.0	8.4	11.9	8.4	11.9	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.2	11.8	8.3	12.0	8.4	12.4	8.6	12.5	8.7	12.6	8.8	12.6	8.8	12.5	8.8	12.5	8.8	12.5	8.8	12.5	8.8	12.4	8.8	12.3	8.7
SE	12.2	8.7	12.1	8.6	12.1	8.5	12.0	8.5	12.0	8.5	12.0	8.4	11.9	8.4	11.9	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.2	11.8	8.3	12.0	8.4	12.3	8.6	12.5	8.7	12.6	8.8	12.6	8.8	12.6	8.9	12.6	8.8	12.5	8.8	12.5	8.8	12.4	8.8	12.3	8.7
S	11.7	8.4	11.6	8.3	11.5	8.3	11.5	8.2	11.5	8.2	11.4	8.2	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.3	8.0	11.2	8.0	11.3	8.0	11.4	8.1	11.5	8.2	11.7	8.3	11.9	8.4	12.0	8.5	12.1	8.6	12.1	8.6	12.1	8.6	12.1	8.6	11.9	8.5	11.8	8.5
SW	12.6	8.8	12.4	8.7	12.3	8.6	12.3	8.6	12.2	8.6	12.2	8.5	12.2	8.5	12.1	8.4	12.1	8.4	12.0	8.4	12.0	8.4	12.0	8.3	12.0	8.4	12.1	8.5	12.3	8.6	12.4	8.6	12.5	8.7	12.6	8.8	12.7	8.9	12.9	9.0	13.0	9.1	13.0	9.1	12.9	9.0	12.8	9.0
W	12.6	8.8	12.4	8.7	12.3	8.6	12.2	8.6	12.2	8.6	12.2	8.5	12.1	8.5	12.1	8.4	12.0	8.4	12.0	8.4	12.0	8.4	12.0	8.3	12.0	8.4	12.1	8.4	12.3	8.6	12.4	8.6	12.5	8.7	12.6	8.8	12.6	8.9	12.8	8.9	12.9	9.0	13.0	9.1	13.0	9.1	12.9	9.0
NW	11.3	8.2	11.0	8.0	10.9	8.0	10.9	7.9	10.9	7.9	10.8	7.9	10.8	7.8	10.7	7.8	10.7	7.7	10.7	7.7	10.7	7.7	10.7	7.7	10.7	7.7	10.8	7.8	10.9	7.9	11.0	8.0	11.2	8.1	11.2	8.1	11.3	8.2	11.3	8.2	11.4	8.3	11.5	8.3	11.5	8.3	11.5	8.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.7	7.4	9.5	7.3	9.4	7.2	9.3	7.1	9.2	7.0	9.1	6.9	8.9	6.7	8.8	6.6	8.7	6.5	8.6	6.4	8.6	6.4	8.7	6.4	9.1	6.7	9.5	7.1	9.8	7.3	10.1	7.6	10.4	7.8	10.6	8.0	10.7	8.1	10.7	8.2	10.7	8.2	10.6	8.1	10.3	7.9	10.1	7.7
NE	10.8	8.0	10.6	7.9	10.5	7.8	10.4	7.7	10.3	7.5	10.2	7.5	10.0	7.2	9.9	7.1	9.8	7.1	9.7	7.0	9.7	6.9	9.8	7.0	10.4	7.4	11.3	8.0	11.6	8.2	11.7	8.4	11.6	8.4	11.7	8.6	11.8	8.7	11.9	8.7	11.8	8.7	11.7	8.6	11.4	8.5	11.1	8.3
E	12.0	8.6	11.9	8.5	11.7	8.4	11.7	8.3	11.5	8.2	11.4	8.1	11.2	7.9	11.1	7.8	11.1	7.7	11.0	7.6	10.9	7.6	11.1	7.6	11.7	8.1	12.8	8.7	13.3	9.1	13.5	9.3	13.4	9.3	13.2	9.3	13.1	9.3	13.1	9.4	13.1	9.4	12.9	9.3	12.7	9.1	12.4	8.9
SE	12.0	8.6	11.8	8.5	11.7	8.4	11.7	8.3	11.5	8.2	11.4	8.1	11.2	7.9	11.1	7.8	11.1	7.7	11.0	7.6	10.9	7.6	11.0	7.6	11.6	8.0	12.5	8.6	13.1	9.0	13.5	9.3	13.6	9.4	13.6	9.5	13.4	9.5	13.1	9.3	13.1	9.4	12.9	9.3	12.7	9.1	12.4	8.9
S	11.5	8.4	11.3	8.2	11.2	8.1	11.2	8.1	11.0	7.9	10.9	7.8	10.7	7.6	10.6	7.5	10.6	7.5	10.5	7.4	10.4	7.3	10.5	7.4	10.9	7.6	11.3	8.0	11.8	8.3	12.4	8.7	12.8	9.0	13.1	9.3	13.2	9.4	13.1	9.4	13.0	9.3	12.6	9.1	12.2	8.8	11.9	8.6
SW	12.3	8.7	12.1	8.6	12.0	8.5	11.9	8.4	11.7	8.3	11.7	8.2	11.5	8.0	11.4	7.9	11.3	7.8	11.2	7.7	11.2	7.7	11.2	7.7	11.6	8.0	12.0	8.3	12.4	8.6	12.7	8.9	13.0	9.1	13.5	9.5	13.9	9.7	14.1	9.9	14.3	9.9	14.1	9.8	13.7	9.6	12.9	9.1
W	12.3	8.8	12.1	8.6	11.9	8.5	11.9	8.4	11.7	8.3	11.6	8.2	11.4	8.0	11.3	7.9	11.3	7.8	11.2	7.7	11.1	7.7	11.2	7.7	11.6	8.0	12.0	8.3	12.4	8.6	12.7	8.9	12.9	9.1	13.2	9.3	13.5	9.5	13.9	9.8	14.2	9.9	14.3	9.9	14.1	9.8	13.1	9.2
NW	11.1	8.1	10.8	7.9	10.7	7.8	10.6	7.8	10.5	7.6	10.4	7.5	10.2	7.3	10.1	7.2	10.0	7.2	9.9	7.1	9.9	7.0	9.9	7.1	10.3	7.4	10.8	7.7	11.1	8.0	11.4	8.2	11.7	8.5	11.9	8.7	12.0	8.8	12.1	8.8	12.4	9.0	12.5	9.1	12.5	9.0	11.8	8.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.8	7.4	9.6	7.3	9.6	7.3	9.6	7.3	9.5	7.2	9.5	7.2	9.5	7.2	9.4	7.1	9.4	7.1	9.4	7.1	9.4	7.1	9.3	7.0	9.4	7.1	9.5	7.1	9.6	7.2	9.7	7.3	9.8	7.4	9.8	7.4	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.8	7.4
NE	10.9	8.0	10.8	7.9	10.8	7.9	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.6	7.7	10.6	7.7	10.6	7.7	10.5	7.7	10.5	7.6	10.6	7.7	10.7	7.8	11.0	7.9	11.0	8.0	11.0	8.0	11.0	8.0	11.1	8.1	11.1	8.1	11.1	8.1	11.1	8.1	11.1	8.1	11.0	8.0
E	12.2	8.6	12.1	8.6	12.1	8.5	12.1	8.5	12.0	8.5	12.0	8.5	12.0	8.4	11.9	8.4	11.9	8.3	11.9	8.3	11.9	8.3	11.8	8.3	11.9	8.3	12.1	8.4	12.3	8.6	12.5	8.7	12.5	8.7	12.5	8.8	12.4	8.8	12.4	8.8	12.4	8.8	12.4	8.8	12.4	8.7	12.3	8.7
SE	12.2	8.6	12.1	8.6	12.1	8.5	12.1	8.5	12.0	8.5	12.0	8.4	12.0	8.4	11.9	8.4	11.9	8.3	11.9	8.3	11.9	8.3	11.8	8.3	11.9	8.3	12.0	8.4	12.3	8.6	12.4	8.7	12.5	8.7	12.5	8.8	12.5	8.8	12.5	8.8	12.4	8.8	12.4	8.8	12.4	8.7	12.3	8.7
S	11.7	8.4	11.6	8.3	11.6	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.4	8.2	11.4	8.1	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.3	8.0	11.4	8.1	11.5	8.2	11.7	8.3	11.8	8.4	11.9	8.5	12.0	8.5	12.1	8.6	12.0	8.6	12.0	8.6	11.9	8.5	11.8	8.4
SW	12.5	8.8	12.4	8.7	12.3	8.6	12.3	8.6	12.3	8.6	12.2	8.6	12.2	8.5	12.1	8.5	12.1	8.5	12.1	8.4	12.1	8.4	12.1	8.4	12.1	8.4	12.2	8.5	12.3	8.6	12.4	8.7	12.5	8.7	12.5	8.8	12.7	8.9	12.8	9.0	12.9	9.0	12.9	9.0	12.8	9.0	12.8	8.9
W	12.6	8.8	12.4	8.7	12.3	8.6	12.3	8.6	12.3	8.6	12.2	8.6	12.2	8.5	12.1	8.5	12.1	8.5	12.1	8.4	12.1	8.4	12.1	8.4	12.1	8.4	12.2	8.5	12.3	8.6	12.4	8.6	12.5	8.7	12.5	8.8	12.6	8.8	12.7	8.9	12.8	9.0	12.9	9.0	12.9	9.0	12.8	9.0
NW	11.2	8.1	11.0	8.0	11.0	8.0	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.8	7.8	10.8	7.8	10.8	7.8	10.7	7.7	10.7	7.7	10.7	7.7	10.8	7.8	11.0	7.9	11.0	8.0	11.1	8.1	11.2	8.1	11.3	8.2	11.3	8.2	11.3	8.2	11.4	8.3	11.4	8.3	11.4	8.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	7.3	3.7	6.7	3.0	5.2	1.6	4.5	0.9	4.1	0.4	3.5	-0.1	3.1	-0.5	4.0	0.0	8.5	2.8	14.9	6.9	20.5	10.4	25.2	13.6	28.7	16.0	31.0	17.8	32.0	18.7	30.8	18.3	29.3	17.7	25.7	15.7	21.6	13.3	15.8	9.9	11.3	7.1	9.6	5.9	8.8	5.2	8.4	4.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ANKARA (39.56)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	10.2	7.3	8.6	6.3	8.3	6.0	8.0	5.7	7.8	5.5	7.6	5.4	7.3	5.0	7.1	4.9	7.0	4.8	6.8	4.6	6.8	4.5	7.0	4.7	7.8	5.3	8.7	6.0	9.5	6.7	10.2	7.2	10.7	7.7	11.1	7.9	11.2	8.1	11.2	8.1	11.1	8.1	10.8	7.9	10.4	7.7	10.3	7.6
NE	9.3	6.8	8.8	6.4	8.5	6.1	8.2	5.8	8.0	5.6	7.9	5.5	7.5	5.2	7.4	5.0	7.2	4.9	7.1	4.7	7.0	4.6	7.3	4.8	8.2	5.5	9.6	6.4	10.6	7.2	11.0	7.6	11.1	7.8	11.3	8.0	11.4	8.2	11.5	8.2	11.3	8.2	11.0	8.0	10.6	7.8	10.2	7.5
E	10.0	7.2	9.6	6.8	9.2	6.5	8.9	6.2	8.7	6.0	8.6	5.9	8.2	5.5	8.1	5.4	8.0	5.3	7.8	5.1	7.7	5.0	8.1	5.2	9.0	5.9	10.6	6.9	11.8	7.8	12.6	8.4	12.7	8.6	12.4	8.6	12.2	8.6	12.2	8.6	12.1	8.6	11.8	8.4	11.4	8.2	10.9	7.9
SE	10.0	7.2	9.5	6.8	9.2	6.5	8.9	6.2	8.7	6.0	8.6	5.9	8.2	5.5	8.1	5.4	7.9	5.2	7.8	5.1	7.7	5.0	8.0	5.2	8.9	5.8	10.3	6.8	11.6	7.7	12.5	8.4	12.9	8.8	12.9	8.9	12.6	8.8	12.2	8.6	12.0	8.6	11.7	8.4	11.3	8.2	10.9	7.9
S	10.0	7.2	9.5	6.8	9.2	6.5	8.9	6.2	8.7	6.0	8.6	5.9	8.2	5.5	8.1	5.4	8.0	5.2	7.8	5.1	7.7	5.0	7.9	5.2	8.7	5.8	9.6	6.4	10.7	7.2	11.7	8.0	12.5	8.5	13.0	8.9	13.2	9.1	12.9	9.0	12.6	8.9	12.1	8.6	11.4	8.2	10.9	7.9
SW	12.6	8.5	10.7	7.4	10.3	7.0	10.0	6.8	9.8	6.6	9.7	6.4	9.3	6.1	9.2	5.9	9.1	5.8	8.9	5.6	8.8	5.5	9.0	5.7	9.9	6.3	10.8	7.0	11.6	7.7	12.3	8.2	12.8	8.7	13.6	9.2	14.3	9.6	14.4	9.7	14.6	9.8	14.4	9.7	14.0	9.5	13.2	9.0
W	14.8	9.6	11.2	7.6	10.9	7.3	10.6	7.0	10.4	6.8	10.2	6.7	9.9	6.4	9.7	6.2	9.6	6.1	9.5	5.9	9.4	5.8	9.6	6.0	10.4	6.6	11.3	7.3	12.2	8.0	12.8	8.5	13.4	9.0	13.7	9.2	14.2	9.6	14.7	9.9	15.1	10.1	15.2	10.1	15.2	10.1	14.6	9.7
NW	13.7	9.0	10.2	7.2	9.9	6.8	9.6	6.5	9.4	6.3	9.3	6.2	8.9	5.9	8.8	5.7	8.7	5.6	8.5	5.4	8.4	5.3	8.6	5.5	9.4	6.1	10.3	6.8	11.2	7.5	11.9	8.0	12.4	8.5	12.7	8.7	12.9	8.9	13.0	9.0	13.3	9.2	13.5	9.3	13.6	9.3	13.2	9.0

W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	9.4	6.7	8.9	6.4	8.7	6.3	8.7	6.2	8.6	6.1	8.5	6.1	8.4	6.0	8.4	5.9	8.3	5.9	8.3	5.8	8.3	5.8	8.4	5.8	8.6	6.0	8.9	6.3	9.2	6.5	9.4	6.6	9.5	6.8	9.6	6.9	9.7	6.9	9.7	6.9	9.7	6.9	9.6	6.9	9.5	6.8	9.4	6.8
NE	9.3	6.6	9.1	6.5	9.0	6.4	8.9	6.3	8.8	6.2	8.8	6.2	8.7	6.1	8.6	6.0	8.6	6.0	8.5	5.9	8.5	5.9	8.6	6.0	8.9	6.2	9.3	6.5	9.7	6.7	9.8	6.9	9.8	6.9	9.9	7.0	9.9	7.1	10.0	7.1	9.9	7.1	9.8	7.0	9.7	6.9	9.5	6.8
E	10.1	7.0	9.9	6.9	9.8	6.8	9.7	6.7	9.7	6.6	9.6	6.6	9.5	6.5	9.5	6.4	9.4	6.4	9.4	6.3	9.3	6.3	9.4	6.4	9.8	6.6	10.3	6.9	10.7	7.2	10.9	7.4	10.9	7.5	10.8	7.5	10.8	7.5	10.8	7.5	10.7	7.5	10.6	7.4	10.5	7.3	10.4	7.2
SE	10.1	7.0	9.9	6.9	9.8	6.8	9.7	6.7	9.6	6.6	9.6	6.6	9.5	6.5	9.4	6.4	9.4	6.4	9.4	6.3	9.3	6.3	9.4	6.4	9.7	6.6	10.2	6.9	10.6	7.2	10.9	7.4	11.0	7.5	11.0	7.6	10.9	7.5	10.8	7.5	10.7	7.5	10.6	7.4	10.5	7.3	10.3	7.2
S	10.1	7.0	9.9	6.9	9.8	6.8	9.7	6.7	9.6	6.6	9.6	6.6	9.5	6.5	9.4	6.4	9.4	6.4	9.4	6.3	9.3	6.3	9.4	6.4	9.7	6.6	9.9	6.8	10.3	7.0	10.6	7.3	10.9	7.5	11.0	7.6	11.1	7.6	11.0	7.6	10.9	7.6	10.7	7.5	10.5	7.3	10.3	7.2
SW	11.8	7.9	11.2	7.5	11.0	7.4	10.9	7.3	10.9	7.2	10.8	7.2	10.7	7.1	10.7	7.0	10.6	7.0	10.6	7.0	10.6	6.9	10.6	7.0	10.9	7.2	11.2	7.4	11.5	7.6	11.7	7.8	11.8	7.9	12.1	8.1	12.3	8.2	12.4	8.3	12.4	8.3	12.3	8.3	12.2	8.2	12.0	8.0
W	12.9	8.4	11.8	7.8	11.7	7.7	11.6	7.6	11.5	7.6	11.5	7.5	11.3	7.4	11.3	7.4	11.3	7.3	11.2	7.3	11.2	7.2	11.2	7.3	11.5	7.5	11.8	7.7	12.1	7.9	12.3	8.1	12.5	8.2	12.6	8.3	12.7	8.4	12.9	8.5	13.0	8.6	13.1	8.6	13.1	8.6	12.8	8.5
NW	11.8	7.9	10.7	7.3	10.6	7.2	10.5	7.1	10.4	7.0	10.4	7.0	10.3	6.9	10.2	6.8	10.2	6.8	10.1	6.7	10.1	6.7	10.2	6.7	10.4	6.9	10.7	7.2	11.0	7.4	11.2	7.6	11.4	7.7	11.5	7.8	11.5	7.8	11.6	7.9	11.7	7.9	11.7	8.0	11.8	8.0	11.6	7.9

W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	9.5	6.8	8.8	6.4	8.7	6.2	8.5	6.1	8.5	6.0	8.4	5.9	8.2	5.8	8.2	5.7	8.1	5.7	8.1	5.6	8.0	5.6	8.1	5.6	8.5	5.9	8.9	6.2	9.2	6.5	9.5	6.7	9.7	6.9	9.9	7.1	10.0	7.1	10.0	7.1	9.9	7.1	9.8	7.1	9.6	7.0	9.5	6.9
NE	9.3	6.7	9.1	6.5	8.9	6.3	8.8	6.2	8.7	6.1	8.6	6.1	8.5	5.9	8.4	5.9	8.4	5.8	8.3	5.7	8.3	5.7	8.4	5.8	8.8	6.1	9.4	6.5	9.8	6.8	10.0	7.0	10.0	7.1	10.1	7.2	10.2	7.3	10.2	7.3	10.2	7.3	10.0	7.2	9.8	7.1	9.6	6.9
E	10.1	7.1	9.9	6.9	9.7	6.7	9.6	6.6	9.5	6.5	9.4	6.5	9.3	6.3	9.2	6.3	9.2	6.2	9.1	6.1	9.1	6.1	9.2	6.2	9.6	6.5	10.3	6.9	10.9	7.3	11.2	7.6	11.2	7.7	11.1	7.7	11.0	7.7	11.0	7.7	11.0	7.7	10.8	7.6	10.7	7.5	10.4	7.3
SE	10.1	7.1	9.9	6.9	9.7	6.7	9.6	6.6	9.5	6.5	9.4	6.5	9.3	6.3	9.2	6.2	9.2	6.2	9.1	6.1	9.1	6.1	9.2	6.2	9.6	6.5	10.2	6.9	10.7	7.3	11.2	7.6	11.3	7.7	11.3	7.8	11.2	7.8	11.0	7.7	11.0	7.7	10.8	7.6	10.6	7.5	10.4	7.3
S	10.1	7.1	9.9	6.9	9.7	6.7	9.6	6.6	9.5	6.5	9.4	6.5	9.3	6.3	9.2	6.2	9.2	6.2	9.1	6.1	9.0	6.1	9.1	6.2	9.5	6.4	9.9	6.7	10.4	7.1	10.8	7.4	11.2	7.6	11.4	7.8	11.5	7.9	11.3	7.8	11.2	7.8	10.9	7.6	10.6	7.5	10.4	7.3
SW	11.9	8.0	11.1	7.5	10.9	7.3	10.8	7.2	10.7	7.1	10.6	7.1	10.5	6.9	10.4	6.9	10.4	6.8	10.3	6.7	10.3	6.7	10.4	6.8	10.7	7.0	11.1	7.3	11.5	7.6	11.8	7.9	12.0	8.1	12.3	8.3	12.6	8.5	12.7	8.5	12.8	8.6	12.7	8.5	12.5	8.4	12.2	8.2
W	13.2	8.6	11.7	7.8	11.5	7.6	11.4	7.5	11.3	7.4	11.2	7.4	11.1	7.2	11.0	7.2	11.0	7.1	10.9	7.0	10.9	7.0	11.0	7.1	11.3	7.3	11.7	7.6	12.1	7.9	12.4	8.2	12.6	8.4	12.7	8.5	13.0	8.6	13.2	8.8	13.4	8.9	13.4	8.9	13.4	8.9	13.1	8.7
NW	12.1	8.1	10.6	7.3	10.5	7.1	10.3	7.0	10.2	6.9	10.2	6.8	10.0	6.7	10.0	6.6	9.9	6.6	9.8	6.5	9.8	6.5	9.9	6.5	10.3	6.8	10.7	7.1	11.0	7.4	11.3	7.6	11.5	7.8	11.7	7.9	11.8	8.0	11.8	8.1	12.0	8.2	12.0	8.2	12.1	8.2	11.9	8.1

W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	9.6	6.8	8.8	6.4	8.6	6.2	8.4	6.0	8.3	5.9	8.3	5.9	8.1	5.7	8.0	5.6	8.0	5.5	7.9	5.5	7.8	5.4	8.0	5.5	8.4	5.8	8.8	6.2	9.3	6.5	9.6	6.8	9.9	7.0	10.1	7.2	10.2	7.3	10.2	7.3	10.1	7.3	9.9	7.2	9.7	7.1	9.7	7.0
NE	9.3	6.7	9.0	6.5	8.8	6.3	8.7	6.2	8.6	6.1	8.5	6.0	8.3	5.8	8.3	5.7	8.2	5.7	8.1	5.6	8.1	5.5	8.2	5.6	8.7	6.0	9.4	6.5	9.9	6.8	10.2	7.1	10.2	7.2	10.3	7.3	10.4	7.4	10.4	7.4	10.3	7.4	10.2	7.3	10.0	7.2	9.7	7.0
E	10.1	7.1	9.8	6.9	9.6	6.7	9.5	6.6	9.4	6.5	9.3	6.4	9.1	6.2	9.1	6.1	9.0	6.1	8.9	6.0	8.9	5.9	9.0	6.0	9.5	6.4	10.3	6.9	11.0	7.4	11.4	7.7	11.4	7.8	11.3	7.8	11.2	7.8	11.2	7.8	11.1	7.8	11.0	7.7	10.8	7.6	10.5	7.4
SE	10.1	7.1	9.8	6.9	9.6	6.7	9.5	6.5	9.4	6.4	9.3	6.4	9.1	6.2	9.0	6.1	9.0	6.1	8.9	6.0	8.8	5.9	9.0	6.0	9.5	6.4	10.2	6.8	10.9	7.3	11.4	7.7	11.6	7.9	11.6	7.9	11.4	7.9	11.2	7.8	11.1	7.8	11.0	7.7	10.8	7.6	10.5	7.4
S	10.1	7.1	9.8	6.9	9.6	6.7	9.5	6.5	9.4	6.4	9.3	6.4	9.1	6.2	9.0	6.1	9.0	6.1	8.9	6.0	8.8	5.9	9.0	6.0	9.4	6.3	9.9	6.7	10.4	7.1	10.9	7.5	11.4	7.8	11.6	8.0	11.7	8.1	11.6	8.0	11.4	7.9	11.1	7.8	10.8	7.6	10.5	7.4
SW	12.0	8.1	11.0	7.5	10.8	7.3	10.7	7.1	10.6	7.0	10.5	7.0	10.3	6.8	10.2	6.7	10.2	6.7	10.1	6.6	10.0	6.5	10.2	6.6	10.6	6.9	11.1	7.3	11.5	7.6	11.9	7.9	12.1	8.2	12.5	8.4	12.9	8.6	13.0	8.7	13.0	8.7	12.9	8.7	12.8	8.6	12.3	8.3
W	13.5	8.8	11.6	7.8	11.4	7.6	11.3	7.4	11.2	7.3	11.1	7.3	10.9	7.1	10.8	7.0	10.8	6.9	10.7	6.9	10.6	6.8	10.8	6.9	11.2	7.2	11.7	7.6	12.1	7.9	12.4	8.2	12.7	8.5	12.9	8.6	13.2	8.8	13.4	8.9	13.6	9.0	13.7	9.1	13.7	9.1	13.3	8.8
NW	12.4	8.2	10.6	7.2	10.4	7.1	10.2	6.9	10.1	6.8	10.0	6.7	9.9	6.6	9.8	6.5	9.7	6.4	9.6	6.3	9.6	6.3	9.7	6.4	10.1	6.7	10.6	7.1	11.0	7.4	11.4	7.7	11.7	7.9	11.8	8.1	11.9	8.2	12.0	8.2	12.2	8.3	12.3	8.4	12.3	8.4	12.1	8.2

R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
R	12.1	6.0	12.0	5.9	11.9	5.8	11.8	5.8	11.8	5.7	11.7	5.6	11.6	5.6	11.6	5.6	11.6	5.5	11.5	5.5	11.6	5.5	12.0	5.8	12.4	6.1	12.9	6.4	13.3	6.6	13.6	6.8	13.8	7.0	13.8	7.0	13.7	7.0	13.6	6.9	13.3	6.8	13.1	6.7	12.7	6.5	12.3	6.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ANKARA (39.56)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.8	5.8	7.3	5.3	7.0	5.0	6.8	4.8	6.2	4.2	5.9	3.9	5.7	3.7	5.5	3.5	5.3	3.3	5.8	3.6	7.1	4.6	8.5	5.7	9.9	6.8	11.0	7.8	11.9	8.5	12.4	8.9	12.7	9.2	12.7	9.3	12.5	9.2	12.0	8.9	11.4	8.6	11.1	8.3	10.9	7.9	8.3	6.3
NE	8.0	5.9	7.5	5.4	7.2	5.1	7.0	4.9	6.4	4.3	6.1	4.0	5.9	3.8	5.7	3.6	5.5	3.4	6.1	3.8	7.6	4.9	9.8	6.3	11.4	7.6	12.2	8.3	12.2	8.6	12.6	9.0	12.9	9.3	12.9	9.4	12.7	9.3	12.2	9.0	11.5	8.7	10.7	8.1	9.3	7.1	8.5	6.4
E	8.7	6.2	8.2	5.7	7.8	5.4	7.6	5.2	7.1	4.6	6.8	4.4	6.6	4.2	6.3	3.9	6.2	3.7	6.7	4.1	8.3	5.2	10.9	6.9	13.0	8.4	14.1	9.3	14.3	9.7	13.8	9.6	13.5	9.6	13.6	9.7	13.3	9.6	12.8	9.4	12.2	9.0	11.4	8.5	10.0	7.4	9.2	6.7
SE	8.6	6.2	8.1	5.7	7.8	5.4	7.6	5.2	7.0	4.6	6.7	4.3	6.6	4.1	6.3	3.9	6.1	3.7	6.6	4.0	8.1	5.1	10.4	6.6	12.5	8.1	14.1	9.3	14.8	9.9	14.8	10.1	14.3	10.0	13.5	9.7	13.3	9.6	12.8	9.3	12.1	9.0	11.3	8.5	9.9	7.4	9.2	6.7
S	8.6	6.2	8.2	5.7	7.8	5.4	7.6	5.2	7.0	4.6	6.8	4.4	6.6	4.2	6.3	3.9	6.2	3.7	6.5	4.0	7.9	5.0	9.4	6.1	11.1	7.4	12.8	8.6	14.1	9.6	14.9	10.2	15.2	10.5	14.7	10.3	14.3	10.1	13.3	9.6	12.2	9.0	11.4	8.5	10.0	7.4	9.2	6.7
SW	9.6	6.7	9.1	6.2	8.8	5.9	8.6	5.7	8.0	5.1	7.8	4.9	7.6	4.7	7.3	4.4	7.2	4.2	7.5	4.5	8.9	5.5	10.4	6.6	11.7	7.8	12.9	8.7	13.7	9.4	15.0	10.2	16.1	11.0	16.4	11.1	16.6	11.3	16.3	11.1	15.7	10.8	14.3	9.9	13.4	9.1	10.2	7.2
W	10.1	7.0	9.6	6.5	9.3	6.1	9.1	5.9	8.5	5.4	8.3	5.1	8.1	4.9	7.8	4.6	7.7	4.5	8.0	4.8	9.4	5.8	10.8	6.9	12.2	8.0	13.4	8.9	14.2	9.6	14.7	10.1	15.6	10.7	16.4	11.1	17.1	11.5	17.3	11.6	17.3	11.6	16.2	10.9	16.6	10.7	10.7	7.5
NW	9.3	6.5	8.8	6.0	8.5	5.7	8.2	5.5	7.7	4.9	7.4	4.7	7.2	4.5	6.9	4.2	6.8	4.1	7.2	4.3	8.5	5.3	10.0	6.4	11.4	7.6	12.5	8.5	13.3	9.2	13.9	9.7	14.1	9.9	14.3	10.1	14.9	10.4	15.2	10.6	15.4	10.6	14.8	10.2	15.5	10.2	9.8	7.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.2	6.6	9.2	6.5	8.9	6.4	8.9	6.3	8.8	6.3	8.8	6.2	8.8	6.2	8.7	6.2	8.7	6.1	8.7	6.1	8.6	6.1	8.6	6.1	8.7	6.1	8.8	6.2	8.9	6.3	9.1	6.4	9.2	6.5	9.3	6.6	9.3	6.6	9.3	6.6	9.3	6.7	9.3	6.7	9.3	6.6	9.2	6.6
NE	9.4	6.7	9.3	6.6	9.2	6.5	9.1	6.4	9.1	6.4	9.0	6.4	9.0	6.4	9.0	6.3	8.9	6.3	8.9	6.3	8.9	6.2	8.9	6.2	8.9	6.2	9.1	6.4	9.3	6.5	9.4	6.6	9.5	6.7	9.5	6.7	9.6	6.7	9.6	6.8	9.6	6.8	9.6	6.8	9.5	6.8	9.5	6.7
E	10.2	7.1	10.1	7.0	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.7	6.6	9.7	6.6	9.8	6.7	9.9	6.8	10.2	6.9	10.4	7.1	10.5	7.2	10.5	7.2	10.5	7.2	10.4	7.2	10.4	7.2	10.4	7.2	10.4	7.2	10.3	7.1
SE	10.2	7.1	10.1	7.0	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.7	6.6	9.7	6.6	9.8	6.7	9.9	6.8	10.1	6.9	10.3	7.1	10.5	7.2	10.6	7.2	10.6	7.2	10.5	7.2	10.4	7.2	10.4	7.2	10.4	7.2	10.3	7.1
S	10.2	7.1	10.1	7.0	10.0	6.9	9.9	6.9	9.9	6.8	9.9	6.8	9.8	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.7	6.6	9.7	6.6	9.7	6.7	9.9	6.7	10.0	6.9	10.2	7.0	10.3	7.1	10.5	7.2	10.5	7.2	10.6	7.3	10.5	7.3	10.5	7.2	10.4	7.2	10.3	7.1
SW	11.7	7.8	11.6	7.7	11.3	7.5	11.2	7.5	11.2	7.4	11.1	7.4	11.1	7.4	11.1	7.3	11.0	7.3	11.0	7.3	11.0	7.3	11.0	7.3	11.0	7.3	11.1	7.4	11.3	7.5	11.4	7.6	11.5	7.7	11.6	7.8	11.7	7.8	11.8	7.9	11.9	7.9	11.9	7.9	11.9	7.9	11.8	7.9
W	12.4	8.2	12.5	8.2	11.9	7.9	11.8	7.8	11.8	7.8	11.8	7.7	11.7	7.7	11.7	7.7	11.7	7.6	11.6	7.6	11.6	7.6	11.6	7.6	11.6	7.6	11.8	7.7	11.9	7.8	12.0	7.9	12.2	8.0	12.2	8.1	12.3	8.1	12.4	8.2	12.4	8.2	12.5	8.2	12.5	8.3	12.5	8.2
NW	11.3	7.6	11.3	7.6	10.8	7.3	10.7	7.3	10.7	7.2	10.7	7.2	10.6	7.2	10.6	7.1	10.6	7.1	10.5	7.1	10.5	7.0	10.5	7.0	10.5	7.0	10.7	7.1	10.8	7.2	10.9	7.4	11.0	7.4	11.1	7.5	11.2	7.6	11.2	7.6	11.2	7.6	11.3	7.6	11.3	7.6	11.3	7.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.5	6.8	8.8	6.4	8.6	6.2	8.5	6.1	8.4	6.0	8.3	5.9	8.2	5.7	8.1	5.7	8.0	5.6	7.9	5.5	7.9	5.5	8.0	5.6	8.4	5.9	8.8	6.2	9.3	6.5	9.6	6.8	9.8	7.0	10.0	7.1	10.1	7.2	10.1	7.2	10.0	7.2	9.9	7.1	9.7	7.0	9.6	7.0
NE	9.3	6.7	9.0	6.5	8.9	6.3	8.7	6.2	8.6	6.1	8.6	6.0	8.4	5.9	8.3	5.8	8.3	5.7	8.2	5.6	8.1	5.6	8.3	5.7	8.8	6.0	9.4	6.5	9.9	6.8	10.1	7.0	10.1	7.1	10.2	7.3	10.3	7.3	10.3	7.4	10.3	7.3	10.1	7.3	9.9	7.1	9.7	7.0
E	10.1	7.1	9.8	6.9	9.7	6.7	9.5	6.6	9.4	6.5	9.4	6.4	9.2	6.3	9.1	6.2	9.1	6.1	9.0	6.0	8.9	6.0	9.1	6.1	9.6	6.4	10.3	6.9	10.9	7.4	11.3	7.6	11.4	7.8	11.2	7.7	11.1	7.7	11.1	7.8	11.1	7.7	10.9	7.7	10.7	7.5	10.5	7.4
SE	10.1	7.1	9.8	6.9	9.7	6.7	9.5	6.6	9.4	6.5	9.4	6.4	9.2	6.2	9.1	6.2	9.1	6.1	9.0	6.0	8.9	6.0	9.1	6.1	9.5	6.4	10.2	6.8	10.8	7.3	11.3	7.6	11.5	7.8	11.5	7.9	11.3	7.8	11.1	7.7	11.0	7.7	10.9	7.6	10.7	7.5	10.5	7.4
S	10.1	7.1	9.8	6.9	9.7	6.7	9.5	6.6	9.4	6.5	9.4	6.4	9.2	6.2	9.1	6.2	9.1	6.1	9.0	6.0	8.9	6.0	9.0	6.1	9.4	6.4	9.9	6.7	10.4	7.1	10.9	7.4	11.3	7.7	11.5	7.9	11.6	8.0	11.5	7.9	11.3	7.9	11.0	7.7	10.7	7.5	10.5	7.4
SW	12.0	8.0	11.0	7.5	10.9	7.3	10.7	7.2	10.6	7.1	10.6	7.0	10.4	6.8	10.3	6.8	10.3	6.7	10.2	6.6	10.1	6.6	10.2	6.7	10.6	7.0	11.1	7.3	11.5	7.6	11.8	7.9	12.1	8.1	12.5	8.4	12.8	8.6	12.9	8.6	12.9	8.7	12.8	8.6	12.7	8.5	12.2	8.3
W	13.4	8.7	11.6	7.8	11.5	7.6	11.3	7.5	11.2	7.4	11.2	7.3	11.0	7.1	10.9	7.1	10.9	7.0	10.8	6.9	10.7	6.9	10.8	7.0	11.2	7.3	11.7	7.6	12.1	7.9	12.4	8.2	12.7	8.4	12.8	8.5	13.1	8.7	13.3	8.9	13.5	9.0	13.6	9.0	13.6	9.0	13.3	8.8
NW	12.3	8.2	10.6	7.2	10.4	7.1	10.3	6.9	10.2	6.9	10.1	6.8	9.9	6.6	9.9	6.5	9.8	6.5	9.7	6.4	9.7	6.4	9.8	6.4	10.2	6.7	10.6	7.1	11.0	7.4	11.4	7.7	11.6	7.9	11.8	8.0	11.9	8.1	11.9	8.1	12.1	8.2	12.2	8.3	12.2	8.3	12.0	8.2
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.1	6.5	9.1	6.5	8.9	6.4	8.9	6.3	8.9	6.3	8.8	6.3	8.8	6.3	8.8	6.2	8.7	6.2	8.7	6.2	8.7	6.2	8.7	6.1	8.7	6.2	8.8	6.2	8.9	6.3	9.1	6.4	9.1	6.5	9.2	6.5	9.2	6.6	9.3	6.6	9.3	6.6	9.3	6.6	9.2	6.6	9.2	6.6
NE	9.4	6.6	9.2	6.6	9.2	6.5	9.1	6.5	9.1	6.4	9.1	6.4	9.1	6.4	9.0	6.3	9.0	6.3	9.0	6.3	9.0	6.3	9.0	6.3	9.0	6.3	9.1	6.4	9.3	6.5	9.4	6.6	9.5	6.7	9.5	6.7	9.5	6.7	9.5	6.7	9.5	6.7	9.5	6.7	9.5	6.7	9.4	6.7
E	10.2	7.1	10.1	7.0	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	10.0	6.8	10.2	6.9	10.3	7.0	10.4	7.1	10.4	7.2	10.4	7.2	10.4	7.1	10.4	7.2	10.4	7.2	10.3	7.1	10.3	7.1
SE	10.2	7.1	10.1	7.0	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.9	6.8	10.1	6.9	10.3	7.0	10.4	7.1	10.5	7.2	10.5	7.2	10.4	7.2	10.4	7.2	10.4	7.1	10.3	7.1	10.3	7.1
S	10.2	7.1	10.1	7.0	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.9	6.8	10.0	6.9	10.2	7.0	10.3	7.1	10.4	7.1	10.5	7.2	10.5	7.2	10.5	7.2	10.4	7.2	10.3	7.1	10.3	7.1
SW	11.6	7.8	11.5	7.7	11.3	7.5	11.2	7.5	11.2	7.5	11.2	7.4	11.2	7.4	11.1	7.4	11.1	7.4	11.1	7.3	11.1	7.3	11.1	7.3	11.1	7.3	11.2	7.4	11.3	7.5	11.4	7.6	11.5	7.7	11.6	7.7	11.7	7.8	11.8	7.8	11.8	7.9	11.8	7.9	11.8	7.9	11.7	7.8
W	12.4	8.1	12.4	8.1	11.9	7.9	11.9	7.8	11.8	7.8	11.8	7.8	11.8	7.7	11.8	7.7	11.7	7.7	11.7	7.7	11.7	7.6	11.7	7.6	11.7	7.7	11.8	7.7	11.9	7.8	12.0	7.9	12.1	8.0	12.2	8.0	12.2	8.1	12.3	8.1	12.4	8.2	12.4	8.2	12.4	8.2	12.4	8.2
NW	11.2	7.6	11.3	7.6	10.8	7.3	10.8	7.3	10.7	7.2	10.7	7.2	10.7	7.2	10.6	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.7	7.2	10.8	7.3	10.9	7.4	11.0	7.4	11.1	7.5	11.1	7.5	11.1	7.5	11.2	7.5	11.2	7.6	11.2	7.6	11.2	7.6
	R2 - 12cm Concrete+2 cm plaster																																															
R	4.3	1.2	3.8	0.7	2.5	-0.6	2.0	-1.1	1.5	-1.6	0.9	-2.2	0.6	-2.5	1.8	-1.7	6.0	1.1	11.5	4.7	17.3	8.6	22.5	12.0	26.3	14.5	28.5	16.1	29.4	16.8	27.3	15.9	25.8	15.3	23.1	13.9	19.9	12.1	15.5	9.7	10.6	6.4	7.4	4.2	6.1	3.0	5.0	1.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ANTALYA (36.54)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	12.9	10.7	12.8	10.5	12.7	10.5	12.7	10.5	12.6	10.4	12.4	10.2	12.4	10.2	12.4	10.2	12.5	10.3	12.5	10.3	13.0	10.6	13.9	11.1	14.4	11.6	14.8	12.0	15.2	12.3	15.6	12.6	15.9	12.8	15.9	12.9	15.7	12.7	15.5	12.5	15.1	12.2	14.8	12.0	14.4	11.7	14.1	11.4
NE	14.3	11.4	14.2	11.2	14.1	11.2	14.1	11.2	14.0	11.1	13.9	10.9	13.8	10.9	13.8	10.9	13.9	11.0	13.9	11.0	15.0	11.5	16.4	12.4	17.6	13.2	18.0	13.6	17.8	13.6	17.3	13.5	17.3	13.5	17.3	13.6	17.1	13.4	16.9	13.2	16.5	13.0	16.0	12.6	15.4	12.2	14.7	11.7
E	15.6	12.0	15.4	11.8	15.3	11.8	15.3	11.8	15.2	11.7	15.1	11.5	15.1	11.5	15.0	11.5	15.1	11.6	15.1	11.6	16.2	12.2	17.9	13.2	19.5	14.2	20.3	14.7	20.3	14.8	19.7	14.6	19.0	14.4	18.6	14.2	18.3	14.0	18.1	13.8	17.7	13.6	17.3	13.3	16.6	12.8	16.0	12.3
SE	15.6	12.1	15.5	11.9	15.4	11.8	15.4	11.8	15.3	11.7	15.2	11.6	15.1	11.6	15.1	11.5	15.2	11.6	15.2	11.6	15.8	12.0	17.2	12.8	18.6	13.7	19.7	14.5	20.1	14.8	20.0	14.8	19.7	14.7	19.1	14.4	18.4	14.0	18.2	13.9	17.8	13.6	17.3	13.3	16.7	12.8	16.0	12.4
S	13.9	11.2	13.7	11.0	13.7	11.0	13.7	11.0	13.6	10.9	13.4	10.7	13.4	10.7	13.4	10.7	13.4	10.7	13.5	10.7	13.7	10.9	14.4	11.4	15.2	12.0	16.0	12.6	16.9	13.2	17.6	13.6	17.9	13.8	17.9	13.9	17.6	13.6	17.1	13.3	16.3	12.8	15.6	12.4	15.0	12.0	14.3	11.5
SW	15.1	11.8	14.9	11.6	14.8	11.6	14.8	11.6	14.7	11.4	14.6	11.3	14.6	11.3	14.5	11.2	14.6	11.3	14.6	11.3	14.9	11.5	15.6	12.0	16.4	12.6	16.9	13.0	17.4	13.4	17.7	13.7	18.4	14.1	19.1	14.5	19.4	14.5	19.5	14.6	19.1	14.3	18.3	13.8	17.3	13.1	16.4	12.5
W	15.7	12.1	15.5	11.9	15.4	11.8	15.4	11.8	15.3	11.7	15.2	11.6	15.1	11.6	15.1	11.5	15.2	11.6	15.2	11.6	15.5	11.8	16.2	12.3	16.9	12.9	17.5	13.3	18.0	13.7	18.3	14.0	18.6	14.2	19.1	14.4	19.8	14.7	20.3	14.9	20.3	14.8	19.7	14.5	18.9	13.9	18.1	13.4
NW	14.5	11.5	14.3	11.3	14.3	11.3	14.3	11.3	14.2	11.2	14.0	11.0	14.0	11.0	14.0	11.0	14.1	11.0	14.1	11.1	14.3	11.2	15.1	11.8	15.8	12.3	16.3	12.8	16.8	13.1	17.2	13.4	17.4	13.6	17.5	13.6	17.6	13.6	18.1	13.8	18.2	13.8	18.0	13.6	17.4	13.2	16.9	12.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	14.0	11.4	13.6	11.1	13.5	11.1	13.5	11.1	13.5	11.1	13.5	11.0	13.4	11.0	13.4	11.0	13.4	11.0	13.5	11.0	13.5	11.0	13.6	11.1	13.9	11.3	14.1	11.4	14.2	11.5	14.3	11.7	14.5	11.7	14.5	11.8	14.6	11.8	14.5	11.8	14.4	11.7	14.3	11.6	14.2	11.6	14.1	11.5
NE	15.3	12.0	15.2	11.9	15.1	11.9	15.1	11.8	15.1	11.8	15.1	11.8	15.0	11.8	15.0	11.8	15.0	11.7	15.0	11.8	15.0	11.8	15.4	12.0	15.8	12.2	16.2	12.5	16.4	12.6	16.3	12.6	16.1	12.6	16.1	12.6	16.1	12.6	16.1	12.5	16.0	12.5	15.9	12.4	15.7	12.3	15.5	12.2
E	16.7	12.7	16.5	12.6	16.5	12.5	16.5	12.5	16.5	12.5	16.4	12.5	16.4	12.4	16.4	12.4	16.4	12.4	16.4	12.5	16.4	12.5	16.7	12.6	17.3	13.0	17.8	13.3	18.1	13.5	18.0	13.5	17.9	13.4	17.6	13.3	17.5	13.3	17.4	13.2	17.3	13.2	17.2	13.1	17.1	13.0	16.9	12.8
SE	16.7	12.7	16.6	12.6	16.5	12.6	16.5	12.5	16.5	12.5	16.4	12.5	16.4	12.5	16.4	12.4	16.4	12.4	16.4	12.5	16.4	12.5	16.6	12.6	17.1	12.9	17.5	13.2	17.9	13.4	18.0	13.5	18.0	13.5	17.9	13.5	17.7	13.4	17.4	13.2	17.4	13.2	17.2	13.1	17.1	13.0	16.9	12.9
S	14.8	11.8	14.7	11.7	14.6	11.6	14.6	11.6	14.6	11.6	14.6	11.6	14.5	11.5	14.5	11.5	14.5	11.5	14.5	11.5	14.5	11.5	14.6	11.6	14.8	11.8	15.1	11.9	15.3	12.1	15.6	12.3	15.8	12.4	16.0	12.5	16.0	12.5	15.9	12.4	15.7	12.4	15.4	12.2	15.2	12.1	15.0	11.9
SW	16.4	12.6	16.0	12.3	15.9	12.3	15.9	12.3	15.9	12.3	15.9	12.2	15.8	12.2	15.8	12.2	15.8	12.2	15.8	12.2	15.8	12.2	15.9	12.2	16.2	12.4	16.4	12.6	16.6	12.7	16.7	12.9	16.8	12.9	17.1	13.1	17.3	13.2	17.4	13.2	17.4	13.2	17.3	13.1	17.0	13.0	16.7	12.8
W	17.4	13.1	16.6	12.6	16.6	12.6	16.5	12.6	16.5	12.6	16.5	12.5	16.5	12.5	16.5	12.5	16.4	12.5	16.5	12.5	16.5	12.5	16.6	12.5	16.8	12.7	17.0	12.9	17.2	13.0	17.4	13.2	17.5	13.3	17.6	13.3	17.7	13.4	17.9	13.5	18.1	13.6	18.1	13.5	17.9	13.4	17.7	13.2
NW	16.1	12.4	15.4	12.0	15.3	12.0	15.3	11.9	15.3	11.9	15.3	11.9	15.2	11.9	15.2	11.9	15.2	11.8	15.2	11.9	15.2	11.9	15.3	11.9	15.5	12.1	15.8	12.3	16.0	12.4	16.1	12.5	16.2	12.6	16.3	12.7	16.3	12.7	16.4	12.7	16.5	12.8	16.6	12.8	16.5	12.7	16.3	12.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	14.0	11.4	13.5	11.1	13.4	11.0	13.4	11.0	13.4	11.0	13.3	10.9	13.3	10.9	13.3	10.8	13.3	10.8	13.3	10.9	13.3	10.9	13.5	11.0	13.9	11.3	14.1	11.5	14.3	11.6	14.5	11.8	14.6	11.9	14.8	12.0	14.8	12.0	14.7	11.9	14.6	11.9	14.4	11.7	14.3	11.6	14.1	11.5
NE	15.2	12.0	15.0	11.8	14.9	11.8	14.9	11.7	14.9	11.7	14.9	11.7	14.8	11.6	14.8	11.6	14.8	11.6	14.8	11.6	14.8	11.6	15.3	11.9	15.9	12.3	16.4	12.6	16.6	12.8	16.5	12.8	16.3	12.7	16.3	12.7	16.3	12.8	16.2	12.7	16.1	12.6	16.0	12.5	15.8	12.4	15.5	12.2
E	16.5	12.6	16.4	12.5	16.3	12.4	16.3	12.4	16.3	12.4	16.2	12.4	16.2	12.3	16.1	12.3	16.1	12.3	16.2	12.3	16.2	12.3	16.7	12.6	17.4	13.0	18.1	13.4	18.4	13.7	18.4	13.7	18.2	13.6	17.9	13.5	17.7	13.4	17.6	13.4	17.5	13.3	17.3	13.2	17.1	13.0	16.8	12.8
SE	16.6	12.7	16.4	12.5	16.3	12.4	16.3	12.4	16.3	12.4	16.3	12.4	16.2	12.3	16.2	12.3	16.2	12.3	16.2	12.3	16.2	12.3	16.5	12.5	17.1	12.8	17.7	13.3	18.2	13.6	18.4	13.7	18.3	13.7	18.2	13.7	17.9	13.5	17.6	13.4	17.5	13.3	17.3	13.2	17.1	13.1	16.9	12.9
S	14.7	11.7	14.5	11.6	14.5	11.5	14.4	11.5	14.4	11.5	14.4	11.4	14.3	11.4	14.3	11.4	14.3	11.4	14.3	11.4	14.3	11.4	14.5	11.5	14.8	11.7	15.1	11.9	15.5	12.2	15.9	12.5	16.1	12.6	16.3	12.7	16.3	12.8	16.1	12.6	15.9	12.5	15.6	12.3	15.3	12.1	15.0	11.9
SW	16.4	12.6	15.8	12.2	15.8	12.2	15.7	12.1	15.7	12.1	15.7	12.1	15.6	12.0	15.6	12.0	15.6	12.0	15.6	12.0	15.6	12.0	15.7	12.1	16.1	12.3	16.4	12.6	16.6	12.8	16.8	12.9	17.0	13.1	17.3	13.2	17.6	13.4	17.7	13.4	17.8	13.4	17.6	13.3	17.2	13.1	16.8	12.8
W	17.5	13.1	16.5	12.5	16.4	12.5	16.4	12.4	16.4	12.4	16.3	12.4	16.2	12.3	16.2	12.3	16.2	12.3	16.3	12.3	16.3	12.4	16.4	12.4	16.7	12.7	17.0	12.9	17.3	13.1	17.5	13.3	17.6	13.4	17.7	13.5	18.0	13.6	18.2	13.7	18.5	13.8	18.5	13.8	18.2	13.6	17.9	13.4
NW	16.3	12.5	15.2	11.9	15.1	11.9	15.1	11.8	15.1	11.8	15.1	11.8	15.0	11.7	15.0	11.7	15.0	11.7	15.0	11.7	15.0	11.7	15.1	11.8	15.5	12.0	15.8	12.3	16.0	12.5	16.2	12.6	16.4	12.8	16.5	12.8	16.5	12.9	16.6	12.9	16.8	12.9	16.9	12.9	16.7	12.8	16.5	12.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	14.0	11.4	13.4	11.0	13.3	10.9	13.3	10.9	13.3	10.9	13.2	10.8	13.1	10.8	13.1	10.7	13.1	10.7	13.2	10.8	13.2	10.8	13.5	10.9	13.9	11.2	14.2	11.5	14.4	11.7	14.6	11.9	14.8	12.0	14.9	12.1	15.0	12.1	14.8	12.0	14.7	12.0	14.5	11.8	14.4	11.7	14.2	11.5
NE	15.1	11.9	14.9	11.8	14.8	11.7	14.8	11.6	14.8	11.6	14.7	11.6	14.7	11.5	14.7	11.5	14.6	11.5	14.7	11.5	14.7	11.5	15.3	11.8	16.0	12.3	16.6	12.7	16.9	12.9	16.7	12.9	16.5	12.8	16.4	12.9	16.5	12.9	16.4	12.8	16.2	12.7	16.0	12.6	15.8	12.4	15.5	12.2
E	16.5	12.6	16.3	12.4	16.2	12.3	16.1	12.3	16.1	12.3	16.1	12.3	16.0	12.2	16.0	12.2	16.0	12.2	16.0	12.2	16.0	12.2	16.6	12.5	17.5	13.0	18.3	13.5	18.7	13.9	18.7	13.9	18.4	13.8	18.0	13.6	17.8	13.5	17.7	13.5	17.6	13.4	17.4	13.2	17.1	13.1	16.8	12.8
SE	16.5	12.6	16.3	12.4	16.2	12.4	16.2	12.3	16.2	12.3	16.1	12.3	16.0	12.2	16.0	12.2	16.0	12.2	16.0	12.2	16.1	12.2	16.4	12.4	17.1	12.8	17.9	13.3	18.4	13.7	18.6	13.9	18.6	13.9	18.4	13.8	18.1	13.7	17.7	13.5	17.6	13.4	17.4	13.3	17.2	13.1	16.8	12.9
S	14.7	11.7	14.4	11.5	14.3	11.4	14.3	11.4	14.3	11.4	14.3	11.4	14.2	11.3	14.2	11.3	14.2	11.2	14.2	11.3	14.2	11.3	14.3	11.4	14.7	11.7	15.1	12.0	15.5	12.3	16.0	12.6	16.3	12.8	16.5	12.9	16.6	12.9	16.4	12.8	16.1	12.6	15.7	12.4	15.3	12.2	15.0	11.9
SW	16.4	12.6	15.7	12.2	15.6	12.1	15.6	12.0	15.6	12.0	15.5	12.0	15.5	11.9	15.5	11.9	15.4	11.9	15.5	11.9	15.5	11.9	15.6	12.0	16.0	12.3	16.4	12.6	16.7	12.8	16.9	13.0	17.1	13.2	17.5	13.4	17.8	13.6	18.0	13.6	18.0	13.6	17.8	13.5	17.4	13.2	16.9	12.9
W	17.6	13.2	16.3	12.5	16.2	12.4	16.2	12.4	16.2	12.4	16.2	12.3	16.1	12.2	16.1	12.2	16.1	12.2	16.1	12.2	16.1	12.2	16.2	12.3	16.6	12.6	17.0	12.9	17.3	13.1	17.5	13.3	17.7	13.5	17.9	13.6	18.1	13.7	18.5	13.8	18.7	14.0	18.7	13.9	18.4	13.7	18.0	13.4
NW	16.4	12.5	15.1	11.9	15.0	11.8	15.0	11.7	15.0	11.7	14.9	11.7	14.9	11.6	14.9	11.6	14.8	11.6	14.9	11.6	14.9	11.6	15.0	11.7	15.4	12.0	15.8	12.3	16.1	12.5	16.3	12.7	16.5	12.9	16.6	13.0	16.7	13.0	16.7	13.0	17.0	13.1	17.1	13.1	16.9	13.0	16.6	12.7
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	19.0	11.9	18.9	11.8	18.9	11.8	18.9	11.8	18.9	11.8	18.8	11.7	18.8	11.7	18.8	11.7	18.9	11.7	18.9	11.8	19.0	11.8	19.4	12.1	19.9	12.4	20.4	12.7	20.7	12.9	21.0	13.0	21.1	13.1	21.1	13.1	20.9	13.0	20.7	12.9	20.4	12.7	20.0	12.5	19.6	12.2	19.2	12.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ANTALYA (36.54)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	12.0	10.0	11.9	9.9	11.9	9.9	11.7	9.7	11.5	9.5	11.5	9.5	11.4	9.4	11.5	9.6	11.6	9.6	12.5	10.1	13.8	11.0	14.7	11.8	15.3	12.4	16.1	13.0	16.7	13.4	17.1	13.7	17.2	13.8	16.8	13.5	16.5	13.3	15.8	12.8	15.3	12.4	14.8	11.9	14.2	11.4	12.3	10.3
NE	13.3	10.6	13.2	10.6	13.2	10.6	13.0	10.4	12.8	10.1	12.7	10.1	12.7	10.1	12.8	10.2	12.8	10.2	14.6	11.1	17.0	12.6	18.9	13.9	19.6	14.5	19.3	14.6	18.5	14.3	18.4	14.4	18.5	14.5	18.1	14.2	17.7	13.9	17.1	13.5	16.3	12.9	15.3	12.2	14.2	11.4	13.6	10.9
E	14.4	11.2	14.3	11.1	14.3	11.1	14.1	10.9	13.9	10.7	13.8	10.7	13.8	10.6	13.9	10.7	13.9	10.8	15.8	11.7	18.5	13.4	21.1	15.0	22.5	16.0	22.4	16.1	21.4	15.8	20.2	15.3	19.6	15.0	19.2	14.7	18.8	14.5	18.2	14.0	17.4	13.5	16.4	12.8	15.3	12.0	14.7	11.5
SE	14.5	11.2	14.4	11.2	14.4	11.2	14.2	11.0	14.0	10.7	13.9	10.7	13.9	10.7	14.0	10.8	14.0	10.8	15.1	11.4	17.3	12.8	19.7	14.3	21.5	15.5	22.2	16.0	22.0	16.1	21.4	15.9	20.4	15.4	19.3	14.8	18.9	14.5	18.3	14.1	17.6	13.6	16.5	12.8	15.4	12.0	14.8	11.5
S	12.9	10.4	12.8	10.4	12.8	10.4	12.6	10.2	12.4	9.9	12.3	9.9	12.3	9.8	12.4	10.0	12.4	10.0	12.8	10.2	14.1	11.2	15.2	12.1	16.6	13.0	18.2	14.0	19.2	14.7	19.8	15.1	19.8	15.1	19.2	14.7	18.4	14.2	17.1	13.5	15.9	12.7	14.9	12.0	13.8	11.2	13.2	10.7
SW	13.9	11.0	13.8	10.9	13.8	10.9	13.7	10.7	13.4	10.5	13.4	10.4	13.3	10.4	13.5	10.5	13.5	10.5	13.9	10.8	15.1	11.7	16.3	12.6	17.2	13.3	18.0	14.0	18.6	14.4	19.8	15.1	20.9	15.7	21.4	15.8	21.5	15.8	20.9	15.4	19.5	14.5	17.9	13.5	16.4	12.5	14.2	11.3
W	14.4	11.2	14.3	11.1	14.3	11.1	14.2	11.0	13.9	10.7	13.9	10.7	13.8	10.6	14.0	10.8	14.0	10.8	14.4	11.0	15.6	11.9	16.8	12.9	17.7	13.6	18.5	14.2	19.1	14.6	19.5	15.0	20.4	15.4	21.5	15.8	22.3	16.2	22.3	16.1	21.3	15.4	20.0	14.5	18.7	13.7	14.7	11.5
NW	13.4	10.7	13.3	10.6	13.3	10.6	13.2	10.5	12.9	10.2	12.9	10.2	12.8	10.1	13.0	10.3	13.0	10.3	13.4	10.5	14.6	11.4	15.8	12.4	16.7	13.1	17.5	13.7	18.1	14.1	18.5	14.5	18.6	14.5	18.7	14.5	19.6	14.8	19.8	14.8	19.4	14.5	18.5	13.8	17.6	13.1	13.7	11.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	14.0	11.4	13.9	11.3	13.8	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.8	11.2	13.9	11.3	14.0	11.4	14.0	11.4	14.1	11.5	14.2	11.5	14.2	11.6	14.2	11.6	14.2	11.5	14.2	11.5	14.1	11.5	14.1	11.4
NE	15.5	12.2	15.4	12.1	15.4	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.5	12.1	15.7	12.2	15.9	12.3	15.9	12.4	15.9	12.4	15.8	12.4	15.8	12.4	15.8	12.4	15.8	12.3	15.8	12.3	15.7	12.3	15.6	12.2
E	16.9	12.9	16.8	12.8	16.8	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.9	12.8	17.1	12.9	17.4	13.1	17.5	13.2	17.5	13.2	17.4	13.1	17.3	13.1	17.2	13.1	17.2	13.0	17.2	13.0	17.1	13.0	17.0	12.9
SE	16.9	12.9	16.8	12.8	16.8	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.8	12.7	17.0	12.9	17.2	13.0	17.4	13.1	17.5	13.2	17.5	13.2	17.4	13.2	17.3	13.1	17.2	13.1	17.2	13.0	17.1	13.0	17.0	12.9
S	15.0	11.9	14.9	11.8	14.9	11.8	14.8	11.8	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.9	11.8	15.1	11.9	15.2	12.0	15.3	12.1	15.4	12.2	15.5	12.2	15.5	12.2	15.4	12.2	15.4	12.1	15.2	12.0	15.1	12.0
SW	16.6	12.7	16.4	12.6	16.2	12.5	16.2	12.4	16.2	12.4	16.2	12.4	16.2	12.4	16.1	12.4	16.1	12.4	16.1	12.4	16.1	12.4	16.1	12.4	16.2	12.4	16.3	12.5	16.4	12.6	16.5	12.7	16.6	12.7	16.6	12.8	16.7	12.8	16.8	12.9	16.9	12.9	16.9	12.9	16.8	12.9	16.7	12.8
W	17.4	13.1	17.2	13.0	16.9	12.8	16.8	12.8	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.9	12.8	17.1	12.9	17.1	13.0	17.2	13.0	17.3	13.1	17.3	13.1	17.4	13.2	17.5	13.2	17.6	13.2	17.6	13.2	17.5	13.2
NW	16.0	12.4	15.9	12.3	15.6	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.7	12.2	15.8	12.3	15.9	12.3	15.9	12.4	16.0	12.4	16.0	12.5	16.0	12.5	16.1	12.5	16.1	12.5	16.2	12.5	16.1	12.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	14.0	11.4	13.4	11.0	13.4	10.9	13.3	10.9	13.3	10.9	13.3	10.9	13.2	10.8	13.2	10.8	13.2	10.8	13.2	10.8	13.2	10.8	13.5	11.0	13.9	11.2	14.1	11.5	14.3	11.6	14.6	11.8	14.7	11.9	14.9	12.0	14.9	12.1	14.8	12.0	14.7	11.9	14.5	11.8	14.3	11.7	14.2	11.5
NE	15.2	11.9	15.0	11.8	14.9	11.7	14.9	11.7	14.9	11.7	14.8	11.6	14.7	11.6	14.7	11.5	14.7	11.5	14.7	11.6	14.8	11.6	15.3	11.9	16.0	12.3	16.5	12.7	16.8	12.9	16.7	12.9	16.4	12.8	16.4	12.8	16.4	12.8	16.3	12.7	16.2	12.7	16.0	12.5	15.8	12.4	15.5	12.2
E	16.5	12.6	16.3	12.5	16.2	12.4	16.2	12.3	16.2	12.3	16.1	12.3	16.1	12.2	16.1	12.2	16.0	12.2	16.1	12.2	16.1	12.2	16.6	12.5	17.4	13.0	18.2	13.5	18.6	13.8	18.6	13.8	18.3	13.7	17.9	13.6	17.8	13.5	17.6	13.4	17.5	13.3	17.3	13.2	17.1	13.1	16.8	12.8
SE	16.5	12.6	16.3	12.5	16.2	12.4	16.2	12.4	16.2	12.4	16.2	12.3	16.1	12.2	16.1	12.2	16.1	12.2	16.1	12.3	16.1	12.3	16.4	12.4	17.1	12.8	17.8	13.3	18.3	13.6	18.5	13.8	18.5	13.8	18.3	13.8	18.0	13.6	17.7	13.4	17.6	13.4	17.4	13.2	17.2	13.1	16.8	12.9
S	14.7	11.7	14.5	11.6	14.4	11.5	14.4	11.4	14.4	11.4	14.3	11.4	14.2	11.3	14.2	11.3	14.2	11.3	14.3	11.3	14.3	11.3	14.4	11.4	14.7	11.7	15.1	11.9	15.5	12.2	16.0	12.5	16.3	12.7	16.4	12.8	16.4	12.9	16.3	12.7	16.0	12.6	15.6	12.4	15.3	12.1	15.0	11.9
SW	16.4	12.6	15.8	12.2	15.7	12.1	15.7	12.1	15.7	12.1	15.6	12.0	15.5	12.0	15.5	11.9	15.5	11.9	15.5	12.0	15.6	12.0	15.7	12.1	16.0	12.3	16.4	12.6	16.7	12.8	16.9	13.0	17.1	13.1	17.4	13.3	17.7	13.5	17.9	13.5	17.9	13.5	17.7	13.4	17.3	13.2	16.9	12.9
W	17.6	13.1	16.4	12.5	16.3	12.4	16.3	12.4	16.3	12.4	16.2	12.3	16.2	12.3	16.1	12.3	16.1	12.2	16.2	12.3	16.2	12.3	16.3	12.4	16.7	12.6	17.0	12.9	17.3	13.1	17.5	13.3	17.7	13.4	17.8	13.5	18.1	13.7	18.4	13.8	18.6	13.9	18.6	13.9	18.3	13.7	17.9	13.4
NW	16.3	12.5	15.2	11.9	15.1	11.8	15.1	11.8	15.1	11.8	15.0	11.7	14.9	11.7	14.9	11.6	14.9	11.6	14.9	11.7	15.0	11.7	15.1	11.8	15.4	12.0	15.8	12.3	16.1	12.5	16.3	12.7	16.5	12.8	16.6	12.9	16.6	12.9	16.6	12.9	16.9	13.0	17.0	13.0	16.8	12.9	16.6	12.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	14.0	11.4	13.9	11.3	13.8	11.3	13.8	11.2	13.8	11.2	13.8	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.7	11.2	13.8	11.2	13.9	11.3	14.0	11.4	14.0	11.4	14.1	11.5	14.1	11.5	14.2	11.5	14.2	11.5	14.1	11.5	14.1	11.5	14.1	11.5	14.0	11.4
NE	15.5	12.2	15.5	12.1	15.4	12.1	15.4	12.0	15.4	12.0	15.4	12.0	15.4	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.5	12.1	15.7	12.2	15.8	12.3	15.9	12.3	15.8	12.3	15.8	12.3	15.8	12.3	15.8	12.3	15.8	12.3	15.7	12.3	15.7	12.3	15.6	12.2
E	16.9	12.9	16.9	12.8	16.8	12.8	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.7	12.7	16.9	12.8	17.1	12.9	17.3	13.0	17.4	13.1	17.4	13.1	17.3	13.1	17.2	13.1	17.2	13.0	17.2	13.0	17.1	13.0	17.1	13.0	17.0	12.9
SE	17.0	12.9	16.9	12.8	16.8	12.8	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.7	16.7	12.7	16.7	12.7	16.8	12.7	16.8	12.7	16.8	12.8	17.0	12.9	17.2	13.0	17.3	13.1	17.4	13.1	17.4	13.1	17.3	13.1	17.3	13.1	17.2	13.0	17.1	13.0	17.1	13.0	17.0	12.9
S	15.0	11.9	14.9	11.8	14.9	11.8	14.9	11.8	14.9	11.8	14.9	11.8	14.8	11.8	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.8	11.7	14.9	11.8	15.0	11.8	15.1	11.9	15.2	12.0	15.3	12.1	15.4	12.1	15.4	12.1	15.4	12.1	15.4	12.1	15.3	12.1	15.2	12.0	15.1	12.0
SW	16.5	12.7	16.4	12.6	16.2	12.5	16.2	12.5	16.2	12.5	16.2	12.5	16.2	12.4	16.2	12.4	16.2	12.4	16.2	12.4	16.2	12.4	16.2	12.4	16.2	12.4	16.3	12.5	16.4	12.6	16.5	12.6	16.5	12.7	16.6	12.7	16.7	12.8	16.8	12.8	16.8	12.8	16.8	12.8	16.8	12.8	16.7	12.7
W	17.3	13.0	17.2	13.0	16.9	12.8	16.9	12.8	16.9	12.8	16.9	12.8	16.9	12.8	16.8	12.7	16.8	12.7	16.8	12.7	16.8	12.8	16.8	12.8	16.9	12.8	17.0	12.8	17.1	12.9	17.1	13.0	17.2	13.0	17.2	13.1	17.3	13.1	17.3	13.1	17.4	13.1	17.5	13.2	17.5	13.2	17.4	13.1
NW	16.0	12.4	15.9	12.3	15.6	12.2	15.6	12.1	15.6	12.1	15.6	12.1	15.6	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.6	12.1	15.6	12.1	15.6	12.1	15.7	12.2	15.8	12.3	15.8	12.3	15.9	12.4	16.0	12.4	16.0	12.4	16.0	12.4	16.0	12.4	16.1	12.5	16.1	12.5	16.1	12.4
	R2 - 12cm Concrete+2 cm plaster																																															
R	10.9	7.0	10.5	6.6	10.0	6.1	9.9	6.1	9.8	5.9	10.1	6.2	10.2	6.3	11.7	7.1	16.5	10.2	22.3	13.7	28.0	17.1	32.2	19.7	34.6	21.2	35.9	22.1	35.8	22.1	34.3	21.1	31.9	19.8	28.0	17.6	23.3	14.9	18.6	12.1	14.1	9.4	11.7	7.8	11.0	7.2	10.9	7.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ARTVIN (41.11)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.7	3.8	5.6	3.7	5.6	3.6	5.5	3.6	5.4	3.5	5.3	3.4	5.3	3.4	5.3	3.4	5.3	3.4	5.3	3.3	5.5	3.5	6.1	3.9	6.7	4.4	7.3	4.8	7.7	5.1	8.1	5.5	8.5	5.8	8.6	5.9	8.5	5.8	8.1	5.5	7.8	5.2	7.3	4.9	6.8	4.5	6.1	4.1
NE	6.6	4.3	6.6	4.2	6.5	4.1	6.4	4.0	6.3	4.0	6.3	3.9	6.2	3.9	6.2	3.9	6.2	3.8	6.2	3.8	6.4	4.0	7.2	4.5	8.8	5.4	9.5	5.9	9.5	6.0	9.1	6.0	9.4	6.2	9.5	6.4	9.4	6.3	9.0	5.9	8.7	5.7	8.2	5.4	7.6	4.9	7.0	4.5
E	7.9	4.9	7.8	4.8	7.7	4.7	7.6	4.7	7.6	4.6	7.5	4.5	7.5	4.5	7.5	4.5	7.4	4.5	7.4	4.4	7.6	4.6	8.5	5.1	10.6	6.3	11.8	7.0	12.1	7.3	11.7	7.3	11.1	7.1	10.7	7.0	10.6	6.9	10.2	6.5	9.9	6.3	9.5	6.0	8.8	5.6	8.2	5.1
SE	7.8	4.9	7.7	4.8	7.6	4.7	7.6	4.6	7.5	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.4	7.3	4.4	7.6	4.5	8.3	5.0	10.0	6.0	11.4	6.8	12.0	7.3	12.2	7.5	12.1	7.6	11.4	7.3	10.6	6.9	10.2	6.5	9.8	6.3	9.4	6.0	8.8	5.5	8.1	5.1
S	7.9	4.9	7.8	4.8	7.7	4.7	7.6	4.7	7.6	4.6	7.5	4.5	7.5	4.5	7.5	4.5	7.4	4.5	7.4	4.4	7.6	4.6	8.2	5.0	8.9	5.4	9.9	6.1	10.8	6.7	11.6	7.2	12.2	7.7	12.3	7.7	12.0	7.6	11.1	7.0	10.3	6.5	9.5	6.0	8.8	5.6	8.2	5.1
SW	8.1	5.0	8.1	4.9	8.0	4.9	7.9	4.8	7.8	4.7	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.9	4.7	8.5	5.1	9.1	5.6	9.7	6.0	10.1	6.3	10.5	6.7	11.7	7.4	12.4	7.8	12.9	8.0	12.5	7.7	11.9	7.3	10.9	6.7	9.4	5.9	8.5	5.3
W	7.8	4.9	7.8	4.8	7.7	4.7	7.6	4.6	7.5	4.6	7.5	4.5	7.5	4.5	7.4	4.5	7.4	4.4	7.4	4.4	7.6	4.5	8.2	5.0	8.9	5.4	9.4	5.8	9.8	6.2	10.2	6.5	10.6	6.8	11.2	7.2	12.1	7.6	12.2	7.5	12.0	7.4	11.1	6.8	9.4	5.8	8.3	5.2
NW	6.7	4.3	6.6	4.2	6.5	4.1	6.4	4.1	6.4	4.0	6.3	3.9	6.3	3.9	6.3	3.9	6.2	3.9	6.2	3.8	6.4	4.0	7.0	4.4	7.7	4.8	8.2	5.2	8.6	5.6	9.1	5.9	9.4	6.3	9.5	6.4	9.5	6.3	9.8	6.3	9.9	6.3	9.4	6.0	8.1	5.2	7.1	4.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	6.4	4.3	6.3	4.2	6.3	4.2	6.2	4.1	6.2	4.1	6.2	4.1	6.2	4.1	6.2	4.1	6.2	4.0	6.2	4.0	6.1	4.0	6.2	4.1	6.4	4.2	6.6	4.3	6.8	4.5	6.9	4.6	7.1	4.7	7.2	4.8	7.2	4.8	7.2	4.8	7.0	4.7	6.9	4.6	6.8	4.5	6.6	4.4
NE	7.4	4.8	7.3	4.7	7.3	4.7	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.5	7.1	4.5	7.2	4.6	7.5	4.7	8.0	5.0	8.2	5.2	8.2	5.2	8.1	5.2	8.2	5.3	8.2	5.4	8.2	5.3	8.1	5.2	8.0	5.1	7.8	5.0	7.6	4.9
E	8.8	5.4	8.7	5.4	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.3	8.9	5.4	9.5	5.8	9.9	6.1	10.0	6.1	9.9	6.1	9.7	6.1	9.6	6.0	9.6	6.0	9.4	5.9	9.3	5.8	9.2	5.7	9.0	5.6
SE	8.8	5.4	8.7	5.4	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.3	8.8	5.4	9.4	5.7	9.8	6.0	10.0	6.1	10.1	6.2	10.0	6.2	9.8	6.1	9.5	6.0	9.4	5.9	9.3	5.8	9.2	5.7	9.0	5.6
S	8.8	5.4	8.7	5.4	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.3	8.8	5.4	9.0	5.5	9.3	5.7	9.6	5.9	9.9	6.1	10.1	6.3	10.1	6.3	10.0	6.2	9.7	6.0	9.5	5.9	9.2	5.7	9.0	5.6
SW	9.1	5.6	9.0	5.5	8.9	5.5	8.9	5.5	8.9	5.4	8.9	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.4	9.1	5.5	9.3	5.7	9.5	5.8	9.6	5.9	9.7	6.0	10.1	6.3	10.4	6.4	10.5	6.5	10.4	6.4	10.2	6.3	9.9	6.1	9.4	5.8
W	8.8	5.4	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.7	5.4	9.0	5.5	9.1	5.7	9.3	5.8	9.4	5.9	9.5	6.0	9.7	6.1	10.0	6.2	10.0	6.2	10.0	6.1	9.7	6.0	9.1	5.7
NW	7.5	4.8	7.3	4.7	7.3	4.7	7.3	4.6	7.3	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.5	7.2	4.6	7.4	4.7	7.7	4.9	7.8	5.0	8.0	5.1	8.1	5.2	8.2	5.3	8.3	5.4	8.2	5.4	8.3	5.4	8.4	5.3	8.2	5.2	7.8	5.0
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	6.4	4.2	6.2	4.1	6.2	4.1	6.1	4.0	6.1	4.0	6.1	4.0	6.0	3.9	6.0	3.9	6.0	3.9	6.0	3.9	6.0	3.9	6.1	4.0	6.4	4.2	6.6	4.4	6.9	4.5	7.1	4.7	7.2	4.8	7.4	5.0	7.4	5.0	7.4	5.0	7.2	4.8	7.1	4.7	6.9	4.6	6.7	4.4
NE	7.3	4.7	7.2	4.6	7.2	4.6	7.1	4.5	7.1	4.5	7.1	4.5	7.0	4.4	7.0	4.4	7.0	4.4	7.0	4.4	7.0	4.4	7.1	4.5	7.4	4.7	8.2	5.1	8.5	5.3	8.4	5.4	8.3	5.3	8.4	5.5	8.4	5.5	8.4	5.5	8.2	5.3	8.1	5.2	7.9	5.1	7.6	4.9
E	8.7	5.4	8.5	5.3	8.5	5.3	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.4	5.1	8.4	5.1	8.3	5.1	8.3	5.1	8.4	5.2	8.8	5.4	9.7	5.9	10.2	6.2	10.4	6.3	10.2	6.3	10.0	6.3	9.8	6.2	9.7	6.2	9.6	6.0	9.4	5.9	9.2	5.8	8.9	5.6
SE	8.7	5.4	8.5	5.3	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.4	5.1	8.7	5.3	9.5	5.8	10.1	6.1	10.4	6.3	10.4	6.4	10.4	6.5	10.1	6.3	9.7	6.2	9.5	6.0	9.4	5.9	9.2	5.8	8.9	5.6
S	8.7	5.4	8.5	5.3	8.5	5.3	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.3	5.1	8.4	5.1	8.7	5.3	9.0	5.5	9.4	5.8	9.8	6.1	10.2	6.3	10.4	6.5	10.5	6.5	10.3	6.5	10.0	6.2	9.6	6.0	9.2	5.8	9.0	5.6
SW	9.0	5.6	8.8	5.4	8.8	5.4	8.7	5.4	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.3	8.6	5.2	8.6	5.2	8.7	5.3	9.0	5.5	9.3	5.7	9.5	5.8	9.7	6.0	9.9	6.1	10.4	6.5	10.7	6.6	10.9	6.7	10.7	6.6	10.5	6.4	10.0	6.2	9.4	5.8
W	8.7	5.4	8.5	5.3	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.4	5.1	8.7	5.3	8.9	5.5	9.2	5.7	9.4	5.8	9.5	6.0	9.7	6.1	10.0	6.3	10.3	6.5	10.4	6.4	10.3	6.3	9.9	6.1	9.2	5.7
NW	7.4	4.8	7.2	4.6	7.2	4.6	7.1	4.6	7.1	4.5	7.1	4.5	7.1	4.5	7.0	4.5	7.0	4.5	7.0	4.4	7.0	4.4	7.1	4.5	7.4	4.7	7.7	4.9	7.9	5.0	8.1	5.2	8.3	5.3	8.4	5.5	8.5	5.5	8.5	5.5	8.6	5.5	8.6	5.5	8.4	5.4	7.9	5.0
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	6.3	4.2	6.1	4.1	6.1	4.0	6.0	4.0	6.0	3.9	6.0	3.9	5.9	3.9	5.9	3.9	5.9	3.9	5.9	3.8	5.9	3.8	6.0	3.9	6.3	4.1	6.7	4.4	6.9	4.6	7.2	4.7	7.4	4.9	7.6	5.1	7.6	5.2	7.6	5.1	7.3	4.9	7.2	4.8	6.9	4.6	6.7	4.4
NE	7.3	4.7	7.1	4.6	7.1	4.5	7.0	4.5	7.0	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.3	6.9	4.3	7.0	4.4	7.4	4.7	8.3	5.2	8.6	5.4	8.6	5.5	8.4	5.4	8.5	5.6	8.6	5.6	8.6	5.6	8.3	5.4	8.2	5.3	7.9	5.1	7.6	4.9
E	8.6	5.4	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.1	8.8	5.3	9.8	5.9	10.5	6.3	10.6	6.5	10.5	6.5	10.1	6.4	9.9	6.3	9.9	6.3	9.7	6.1	9.5	6.0	9.3	5.8	8.9	5.6
SE	8.6	5.3	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.0	8.7	5.3	9.6	5.8	10.3	6.2	10.6	6.5	10.7	6.6	10.6	6.6	10.3	6.5	9.9	6.3	9.6	6.1	9.5	6.0	9.2	5.8	8.9	5.6
S	8.6	5.4	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.1	8.6	5.3	9.0	5.5	9.5	5.8	10.0	6.2	10.4	6.4	10.7	6.7	10.7	6.7	10.6	6.6	10.1	6.3	9.7	6.1	9.3	5.8	8.9	5.6
SW	8.9	5.5	8.7	5.4	8.7	5.3	8.6	5.3	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.1	8.5	5.1	8.6	5.2	8.9	5.4	9.2	5.6	9.5	5.9	9.8	6.0	10.0	6.2	10.6	6.6	11.0	6.8	11.2	6.9	11.0	6.8	10.7	6.6	10.2	6.3	9.4	5.8
W	8.6	5.4	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.0	8.6	5.2	8.9	5.5	9.2	5.7	9.4	5.9	9.7	6.1	9.8	6.2	10.2	6.4	10.6	6.6	10.7	6.6	10.6	6.5	10.1	6.2	9.2	5.7
NW	7.4	4.7	7.1	4.6	7.1	4.5	7.0	4.5	7.0	4.5	7.0	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.3	7.0	4.4	7.3	4.6	7.7	4.9	7.9	5.1	8.2	5.3	8.4	5.4	8.6	5.6	8.6	5.7	8.6	5.6	8.8	5.6	8.8	5.6	8.6	5.5	7.9	5.1
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.4	4.8	11.4	4.8	11.3	4.7	11.3	4.7	11.3	4.7	11.3	4.7	11.3	4.7	11.3	4.7	11.3	4.6	11.2	4.6	11.3	4.7	11.6	4.9	12.1	5.1	12.6	5.4	12.9	5.6	13.2	5.8	13.4	6.0	13.4	6.0	13.3	5.9	13.0	5.7	12.7	5.5	12.3	5.3	11.8	5.0	11.5	4.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ARTVIN (41.11)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	5.1	3.4	4.9	3.2	4.8	3.1	4.7	3.0	4.6	2.9	4.6	2.8	4.5	2.8	4.5	2.8	4.4	2.7	4.8	3.0	5.8	3.6	6.9	4.4	7.7	5.1	8.5	5.6	9.1	6.2	9.7	6.7	9.9	6.9	9.8	6.8	9.1	6.2	8.5	5.8	7.8	5.3	6.9	4.6	5.8	3.9	5.2	3.5
NE	5.9	3.8	5.7	3.6	5.6	3.5	5.5	3.4	5.4	3.3	5.4	3.3	5.3	3.2	5.3	3.2	5.2	3.1	5.6	3.4	6.9	4.2	9.6	5.8	10.8	6.6	10.7	6.7	10.1	6.7	10.5	7.1	10.7	7.3	10.6	7.2	9.9	6.6	9.3	6.2	8.6	5.7	7.6	5.0	6.5	4.3	6.0	3.9
E	7.0	4.3	6.8	4.2	6.7	4.1	6.6	4.0	6.5	3.8	6.5	3.8	6.4	3.8	6.4	3.7	6.3	3.7	6.7	3.9	8.1	4.8	11.6	6.7	13.5	7.9	14.0	8.4	13.5	8.4	12.5	8.1	11.8	7.9	11.7	7.8	11.0	7.2	10.5	6.8	9.7	6.3	8.7	5.5	7.6	4.9	7.1	4.4
SE	6.9	4.3	6.7	4.1	6.6	4.0	6.5	3.9	6.4	3.8	6.4	3.8	6.4	3.7	6.3	3.7	6.2	3.6	6.6	3.9	7.9	4.7	10.7	6.3	12.8	7.6	14.0	8.4	14.3	8.8	14.0	8.9	12.9	8.4	11.6	7.7	10.9	7.1	10.4	6.7	9.6	6.2	8.6	5.5	7.5	4.8	7.0	4.4
S	7.0	4.3	6.8	4.2	6.7	4.1	6.6	4.0	6.5	3.8	6.5	3.8	6.5	3.8	6.4	3.7	6.3	3.7	6.6	3.9	7.7	4.6	8.8	5.3	10.4	6.4	12.0	7.4	13.3	8.3	14.3	9.0	14.4	9.1	13.9	8.9	12.5	7.9	11.1	7.1	9.7	6.3	8.7	5.5	7.6	4.9	7.1	4.4
SW	7.2	4.4	7.1	4.3	7.0	4.2	6.9	4.1	6.7	3.9	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.8	6.9	4.0	7.9	4.7	9.0	5.4	9.9	6.1	10.6	6.7	11.3	7.3	13.1	8.4	14.4	9.2	15.2	9.5	14.6	9.0	13.6	8.3	11.9	7.3	9.5	5.9	8.0	5.0	7.3	4.5
W	7.0	4.3	6.8	4.1	6.7	4.0	6.6	3.9	6.5	3.8	6.4	3.8	6.4	3.8	6.4	3.7	6.3	3.7	6.6	3.9	7.7	4.6	8.7	5.3	9.6	6.0	10.3	6.6	11.0	7.1	11.6	7.7	12.6	8.3	14.0	8.9	14.3	8.8	13.9	8.5	12.4	7.6	9.7	6.0	7.8	4.9	7.1	4.4
NW	5.9	3.8	5.7	3.6	5.6	3.5	5.5	3.4	5.4	3.3	5.4	3.3	5.4	3.2	5.3	3.2	5.3	3.1	5.6	3.4	6.6	4.0	7.7	4.8	8.6	5.5	9.3	6.0	10.0	6.6	10.5	7.1	10.7	7.3	10.7	7.3	11.2	7.3	11.4	7.2	10.6	6.7	8.4	5.4	6.7	4.4	6.0	3.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.6	4.4	6.5	4.3	6.4	4.3	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.5	4.3	6.6	4.3	6.7	4.4	6.7	4.5	6.8	4.5	6.9	4.6	6.9	4.6	6.9	4.6	6.8	4.5	6.7	4.5	6.7	4.4
NE	7.6	4.9	7.5	4.8	7.5	4.8	7.4	4.8	7.4	4.8	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.6	4.8	7.8	5.0	7.9	5.0	7.9	5.1	7.9	5.0	7.9	5.1	7.9	5.1	7.9	5.1	7.8	5.0	7.8	5.0	7.7	5.0
E	9.0	5.6	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	9.0	5.5	9.3	5.7	9.5	5.8	9.5	5.9	9.5	5.9	9.4	5.8	9.3	5.8	9.3	5.8	9.2	5.7	9.2	5.7	9.1	5.7
SE	9.0	5.6	8.9	5.5	8.9	5.5	8.8	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.5	9.2	5.7	9.4	5.8	9.5	5.9	9.5	5.9	9.5	5.9	9.4	5.9	9.3	5.8	9.2	5.7	9.2	5.7	9.1	5.7
S	9.0	5.6	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.5	9.0	5.6	9.2	5.7	9.3	5.8	9.5	5.9	9.6	5.9	9.6	5.9	9.5	5.9	9.4	5.8	9.3	5.7	9.1	5.7
SW	9.4	5.8	9.2	5.7	9.2	5.6	9.2	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.2	5.6	9.3	5.7	9.4	5.8	9.5	5.8	9.5	5.9	9.7	6.0	9.8	6.1	9.9	6.1	9.9	6.1	9.8	6.0	9.6	5.9
W	9.1	5.6	8.9	5.5	8.8	5.5	8.8	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.5	9.0	5.5	9.1	5.6	9.1	5.7	9.2	5.7	9.3	5.8	9.4	5.8	9.5	5.9	9.5	5.9	9.5	5.9	9.3	5.8
NW	7.7	4.9	7.6	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.5	4.8	7.7	4.9	7.7	4.9	7.8	5.0	7.9	5.1	7.9	5.1	7.9	5.1	7.9	5.1	8.0	5.1	8.0	5.1	7.9	5.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																																
N	6.3	4.2	6.2	4.1	6.1	4.1	6.1	4.0	6.0	4.0	6.0	3.9	6.0	3.9	6.0	3.9	6.0	3.9	5.9	3.9	5.9	3.9	6.0	3.9	6.3	4.1	6.6	4.4	6.9	4.6	7.1	4.7	7.3	4.9	7.5	5.0	7.5	5.1	7.5	5.1	7.3	4.9	7.1	4.8	6.9	4.6	6.7	4.4
NE	7.3	4.7	7.1	4.6	7.1	4.5	7.1	4.5	7.0	4.5	7.0	4.4	7.0	4.4	7.0	4.4	6.9	4.4	6.9	4.4	6.9	4.4	7.0	4.4	7.4	4.7	8.2	5.1	8.6	5.4	8.5	5.4	8.3	5.4	8.5	5.5	8.5	5.6	8.5	5.6	8.3	5.4	8.1	5.3	7.9	5.1	7.6	4.9
E	8.6	5.4	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.4	5.1	8.8	5.4	9.8	5.9	10.4	6.3	10.5	6.4	10.4	6.4	10.1	6.3	9.9	6.3	9.8	6.2	9.6	6.1	9.5	5.9	9.2	5.8	8.9	5.6
SE	8.6	5.4	8.4	5.2	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.3	5.1	8.7	5.3	9.5	5.8	10.2	6.2	10.5	6.4	10.6	6.5	10.5	6.6	10.2	6.4	9.8	6.2	9.6	6.0	9.4	5.9	9.2	5.8	8.9	5.6
S	8.6	5.4	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.3	5.1	8.7	5.3	9.0	5.5	9.5	5.8	9.9	6.1	10.3	6.4	10.6	6.6	10.6	6.6	10.5	6.6	10.1	6.3	9.7	6.0	9.3	5.8	8.9	5.6
SW	8.9	5.5	8.8	5.4	8.7	5.4	8.7	5.3	8.6	5.3	8.6	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.6	5.2	8.9	5.4	9.3	5.7	9.5	5.9	9.7	6.0	9.9	6.2	10.5	6.5	10.9	6.8	11.1	6.9	10.9	6.7	10.6	6.5	10.1	6.2	9.4	5.8
W	8.7	5.4	8.4	5.2	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.1	8.6	5.3	8.9	5.5	9.2	5.7	9.4	5.9	9.6	6.0	9.8	6.2	10.1	6.4	10.5	6.6	10.6	6.5	10.5	6.4	10.0	6.2	9.2	5.7
NW	7.4	4.7	7.2	4.6	7.1	4.6	7.1	4.5	7.1	4.5	7.0	4.5	7.0	4.4	7.0	4.4	7.0	4.4	7.0	4.4	6.9	4.4	7.0	4.4	7.3	4.6	7.7	4.9	7.9	5.1	8.1	5.2	8.3	5.4	8.5	5.6	8.6	5.6	8.6	5.6	8.7	5.6	8.7	5.6	8.5	5.4	7.9	5.0
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.6	4.4	6.5	4.3	6.5	4.3	6.4	4.3	6.4	4.3	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.4	4.2	6.5	4.3	6.6	4.3	6.7	4.4	6.7	4.4	6.8	4.5	6.8	4.5	6.8	4.5	6.8	4.5	6.8	4.5	6.7	4.5	6.7	4.4
NE	7.6	4.9	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.5	4.8	7.6	4.8	7.8	4.9	7.9	5.0	7.9	5.0	7.8	5.0	7.8	5.1	7.9	5.1	7.8	5.1	7.8	5.0	7.8	5.0	7.7	4.9
E	9.0	5.6	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.5	8.8	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.5	9.0	5.5	9.2	5.7	9.4	5.8	9.4	5.8	9.4	5.8	9.3	5.8	9.3	5.8	9.3	5.8	9.2	5.7	9.2	5.7	9.1	5.6
SE	9.0	5.6	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.5	9.0	5.5	9.2	5.6	9.3	5.7	9.4	5.8	9.5	5.8	9.4	5.8	9.4	5.8	9.2	5.8	9.2	5.7	9.2	5.7	9.1	5.6
S	9.0	5.6	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.4	8.8	5.4	8.9	5.5	8.9	5.5	9.0	5.6	9.2	5.7	9.3	5.7	9.4	5.8	9.5	5.9	9.5	5.9	9.4	5.9	9.3	5.8	9.2	5.7	9.1	5.6
SW	9.4	5.8	9.2	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.1	5.6	9.1	5.6	9.1	5.6	9.2	5.6	9.2	5.7	9.3	5.7	9.4	5.8	9.5	5.8	9.5	5.9	9.7	6.0	9.8	6.0	9.8	6.0	9.8	6.0	9.7	5.9	9.6	5.9
W	9.1	5.6	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.5	8.8	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.5	9.0	5.6	9.1	5.6	9.1	5.7	9.2	5.7	9.2	5.7	9.3	5.8	9.4	5.8	9.4	5.8	9.4	5.8	9.3	5.7
NW	7.7	4.9	7.6	4.9	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.6	4.8	7.7	4.9	7.7	4.9	7.8	5.0	7.8	5.0	7.9	5.1	7.9	5.1	7.9	5.1	7.9	5.1	7.9	5.1	7.9	5.0
	R2 - 12cm Concrete+2 cm plaster																																															
R	3.9	0.3	3.6	0.1	3.3	-0.2	3.3	-0.2	3.3	-0.3	3.2	-0.4	3.1	-0.5	4.0	0.1	7.4	2.1	13.0	5.3	18.5	8.6	23.0	11.3	26.4	13.5	28.8	15.2	28.7	15.3	27.5	14.7	23.7	12.2	19.6	9.9	14.9	7.3	9.8	4.3	6.1	2.1	4.7	1.0	4.4	0.8	4.1	0.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :AYDIN (37.51)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.5	8.5	10.3	8.3	10.2	8.1	10.0	8.0	9.8	7.8	9.6	7.6	9.5	7.5	9.5	7.4	9.4	7.4	9.3	7.3	9.5	7.4	10.4	8.0	11.1	8.5	11.6	9.0	12.1	9.4	12.5	9.7	12.9	10.1	13.1	10.3	13.2	10.4	13.1	10.4	12.7	10.1	12.4	9.9	12.0	9.5	11.1	8.9
NE	11.5	9.0	11.3	8.8	11.2	8.6	11.0	8.5	10.8	8.3	10.6	8.1	10.6	8.0	10.5	7.9	10.4	7.9	10.4	7.8	10.5	7.9	11.7	8.7	13.4	9.6	14.2	10.3	14.2	10.4	13.8	10.4	13.9	10.6	14.2	10.8	14.2	10.9	14.1	10.9	13.8	10.6	13.3	10.3	12.7	9.8	12.0	9.3
E	12.6	9.6	12.4	9.3	12.3	9.2	12.1	9.0	11.9	8.8	11.7	8.6	11.6	8.6	11.6	8.5	11.5	8.4	11.4	8.4	11.6	8.5	12.8	9.2	14.9	10.4	16.2	11.3	16.4	11.5	16.1	11.5	15.5	11.4	15.3	11.4	15.3	11.5	15.2	11.5	14.9	11.2	14.4	10.8	13.8	10.4	13.1	9.9
SE	12.6	9.6	12.4	9.3	12.3	9.2	12.1	9.0	11.9	8.8	11.7	8.6	11.7	8.6	11.6	8.5	11.5	8.4	11.5	8.4	11.6	8.5	12.6	9.1	14.3	10.1	15.6	11.0	16.2	11.4	16.4	11.7	16.2	11.7	15.8	11.7	15.3	11.5	15.2	11.5	14.9	11.2	14.4	10.8	13.8	10.4	13.1	9.9
S	12.0	9.2	11.7	9.0	11.6	8.9	11.5	8.7	11.3	8.5	11.1	8.3	11.0	8.3	10.9	8.2	10.8	8.1	10.8	8.0	10.9	8.1	11.7	8.7	12.4	9.2	13.3	9.8	14.2	10.4	15.0	11.0	15.6	11.4	15.9	11.7	15.8	11.7	15.3	11.5	14.5	11.0	13.7	10.5	13.1	10.1	12.4	9.5
SW	13.1	9.8	12.8	9.5	12.7	9.4	12.5	9.2	12.4	9.1	12.2	8.9	12.1	8.8	12.0	8.7	11.9	8.6	11.9	8.6	12.0	8.7	12.8	9.2	13.5	9.7	14.1	10.2	14.6	10.6	15.1	11.0	15.9	11.6	17.0	12.2	17.7	12.7	17.9	12.8	17.4	12.5	16.4	11.9	15.2	11.1	13.7	10.2
W	13.3	9.9	13.1	9.7	13.0	9.5	12.8	9.4	12.6	9.2	12.4	9.0	12.4	8.9	12.3	8.8	12.2	8.8	12.2	8.7	12.3	8.8	13.1	9.4	13.7	9.8	14.4	10.4	14.9	10.8	15.3	11.1	15.7	11.5	16.5	12.0	17.6	12.6	18.3	13.0	18.3	12.9	17.5	12.4	16.2	11.6	14.2	10.4
NW	12.1	9.3	11.8	9.0	11.7	8.9	11.5	8.7	11.4	8.6	11.2	8.4	11.1	8.3	11.0	8.2	10.9	8.1	10.9	8.1	11.0	8.2	11.8	8.7	12.5	9.2	13.1	9.7	13.6	10.1	14.1	10.5	14.4	10.8	14.7	11.1	15.1	11.4	15.8	11.8	16.1	11.8	15.7	11.5	14.7	10.9	12.9	9.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	11.1	8.8	10.9	8.7	10.8	8.6	10.8	8.5	10.7	8.5	10.7	8.4	10.6	8.4	10.6	8.3	10.6	8.3	10.5	8.3	10.5	8.3	10.6	8.3	10.8	8.5	11.1	8.7	11.2	8.8	11.4	8.9	11.5	9.1	11.7	9.2	11.7	9.2	11.8	9.3	11.7	9.3	11.6	9.2	11.5	9.1	11.4	9.0
NE	12.2	9.3	12.0	9.2	11.9	9.1	11.9	9.1	11.8	9.0	11.8	9.0	11.7	8.9	11.7	8.9	11.7	8.9	11.7	8.8	11.6	8.8	11.7	8.9	12.1	9.1	12.6	9.4	12.9	9.6	12.9	9.7	12.8	9.7	12.8	9.7	12.9	9.8	12.9	9.8	12.9	9.8	12.7	9.7	12.6	9.6	12.4	9.5
E	13.4	9.9	13.2	9.8	13.2	9.7	13.1	9.7	13.1	9.7	13.0	9.6	12.9	9.5	12.9	9.5	12.9	9.5	12.9	9.5	12.9	9.4	12.9	9.5	13.3	9.7	14.0	10.1	14.4	10.4	14.5	10.5	14.4	10.5	14.2	10.4	14.1	10.4	14.1	10.5	14.1	10.4	14.0	10.4	13.8	10.2	13.6	10.1
SE	13.4	9.9	13.2	9.8	13.2	9.7	13.1	9.7	13.1	9.7	13.0	9.6	12.9	9.5	12.9	9.5	12.9	9.5	12.9	9.5	12.9	9.4	12.9	9.5	13.2	9.7	13.8	10.0	14.2	10.3	14.4	10.4	14.5	10.5	14.4	10.5	14.3	10.5	14.1	10.5	14.1	10.4	14.0	10.4	13.8	10.2	13.6	10.1
S	12.7	9.6	12.5	9.5	12.4	9.4	12.4	9.3	12.4	9.3	12.3	9.2	12.2	9.2	12.2	9.2	12.2	9.1	12.2	9.1	12.1	9.1	12.2	9.1	12.4	9.3	12.7	9.4	12.9	9.7	13.2	9.9	13.5	10.0	13.7	10.2	13.8	10.3	13.7	10.3	13.6	10.2	13.3	10.0	13.1	9.9	12.9	9.7
SW	13.9	10.2	13.7	10.1	13.6	10.0	13.6	9.9	13.6	9.9	13.5	9.8	13.4	9.8	13.4	9.8	13.4	9.7	13.4	9.7	13.3	9.7	13.4	9.7	13.6	9.9	13.9	10.0	14.1	10.2	14.2	10.3	14.4	10.5	14.6	10.7	15.0	10.9	15.2	11.0	15.3	11.0	15.1	10.9	14.8	10.7	14.4	10.5
W	14.3	10.4	14.0	10.2	13.9	10.1	13.9	10.1	13.9	10.1	13.8	10.0	13.7	9.9	13.7	9.9	13.7	9.9	13.7	9.8	13.6	9.8	13.7	9.9	13.9	10.0	14.2	10.2	14.4	10.4	14.5	10.5	14.7	10.6	14.8	10.7	15.0	10.9	15.4	11.1	15.6	11.2	15.6	11.2	15.4	11.0	14.9	10.8
NW	12.9	9.7	12.6	9.5	12.5	9.4	12.5	9.4	12.5	9.3	12.4	9.3	12.3	9.2	12.3	9.2	12.3	9.2	12.3	9.2	12.2	9.1	12.3	9.2	12.5	9.3	12.8	9.5	13.0	9.7	13.1	9.8	13.3	9.9	13.4	10.0	13.5	10.1	13.6	10.2	13.8	10.3	13.9	10.3	13.8	10.2	13.5	10.0
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	11.1	8.8	10.8	8.6	10.7	8.5	10.7	8.5	10.6	8.4	10.5	8.3	10.4	8.2	10.4	8.2	10.4	8.2	10.3	8.1	10.3	8.1	10.4	8.1	10.8	8.4	11.1	8.6	11.3	8.8	11.5	9.0	11.7	9.2	11.9	9.3	12.0	9.4	12.0	9.5	12.0	9.5	11.8	9.3	11.7	9.2	11.5	9.1
NE	12.1	9.3	11.9	9.2	11.8	9.1	11.8	9.0	11.7	8.9	11.6	8.9	11.5	8.8	11.5	8.8	11.5	8.7	11.4	8.7	11.4	8.7	11.5	8.7	12.0	9.0	12.7	9.5	13.1	9.7	13.1	9.8	12.9	9.8	13.0	9.9	13.1	10.0	13.1	10.0	13.1	10.0	12.9	9.9	12.7	9.7	12.4	9.5
E	13.3	9.9	13.1	9.8	13.0	9.7	13.0	9.6	12.9	9.5	12.8	9.5	12.7	9.4	12.7	9.4	12.7	9.3	12.6	9.3	12.6	9.3	12.7	9.3	13.2	9.6	14.1	10.2	14.7	10.5	14.8	10.6	14.7	10.6	14.4	10.6	14.3	10.6	14.3	10.6	14.3	10.6	14.1	10.5	13.9	10.3	13.6	10.2
SE	13.3	9.9	13.1	9.8	13.0	9.7	13.0	9.6	12.9	9.5	12.8	9.5	12.7	9.4	12.7	9.4	12.7	9.3	12.6	9.3	12.6	9.3	12.7	9.3	13.1	9.6	13.9	10.0	14.4	10.4	14.7	10.6	14.8	10.7	14.7	10.7	14.5	10.7	14.3	10.6	14.3	10.6	14.1	10.5	13.9	10.3	13.6	10.2
S	12.6	9.6	12.4	9.4	12.3	9.3	12.3	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.0	9.0	12.0	9.0	11.9	8.9	11.9	8.9	12.0	8.9	12.3	9.2	12.6	9.4	13.0	9.7	13.4	10.0	13.8	10.2	14.0	10.4	14.1	10.5	14.1	10.5	13.9	10.4	13.5	10.2	13.2	10.0	12.9	9.8
SW	13.9	10.2	13.6	10.0	13.5	9.9	13.4	9.9	13.4	9.8	13.3	9.7	13.2	9.6	13.2	9.6	13.1	9.6	13.1	9.5	13.1	9.5	13.2	9.5	13.5	9.8	13.8	10.0	14.1	10.2	14.3	10.4	14.5	10.6	14.9	10.8	15.3	11.1	15.6	11.3	15.7	11.3	15.5	11.2	15.1	10.9	14.5	10.6
W	14.3	10.4	13.9	10.2	13.8	10.1	13.7	10.0	13.7	9.9	13.6	9.9	13.5	9.8	13.5	9.7	13.4	9.7	13.4	9.7	13.4	9.7	13.4	9.7	13.8	9.9	14.1	10.1	14.4	10.4	14.6	10.5	14.8	10.7	14.9	10.8	15.3	11.1	15.8	11.4	16.1	11.5	16.1	11.5	15.7	11.3	15.2	10.9
NW	12.9	9.7	12.5	9.5	12.4	9.4	12.4	9.3	12.3	9.2	12.2	9.2	12.1	9.1	12.1	9.1	12.1	9.0	12.0	9.0	12.0	9.0	12.1	9.0	12.4	9.2	12.7	9.4	13.0	9.7	13.2	9.9	13.4	10.0	13.6	10.2	13.7	10.3	13.8	10.4	14.2	10.6	14.3	10.6	14.1	10.4	13.7	10.2
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	11.1	8.8	10.8	8.6	10.7	8.5	10.6	8.4	10.5	8.3	10.4	8.2	10.3	8.1	10.3	8.1	10.2	8.1	10.2	8.0	10.2	8.0	10.3	8.0	10.7	8.3	11.1	8.6	11.3	8.9	11.6	9.1	11.8	9.3	12.0	9.4	12.2	9.6	12.2	9.6	12.1	9.6	11.9	9.5	11.8	9.3	11.6	9.1
NE	12.1	9.3	11.9	9.2	11.7	9.0	11.7	9.0	11.6	8.9	11.5	8.8	11.4	8.7	11.4	8.6	11.3	8.6	11.3	8.6	11.3	8.5	11.4	8.6	12.0	9.0	12.8	9.5	13.3	9.8	13.3	9.9	13.1	9.9	13.1	10.0	13.2	10.1	13.3	10.2	13.2	10.2	13.0	10.0	12.8	9.8	12.5	9.6
E	13.3	9.9	13.1	9.7	12.9	9.6	12.9	9.6	12.8	9.5	12.7	9.4	12.6	9.3	12.5	9.2	12.5	9.2	12.5	9.1	12.4	9.1	12.5	9.2	13.2	9.6	14.3	10.2	14.9	10.6	15.0	10.8	14.9	10.8	14.6	10.7	14.4	10.7	14.5	10.8	14.4	10.7	14.2	10.6	14.0	10.4	13.7	10.2
SE	13.3	9.9	13.1	9.7	12.9	9.6	12.9	9.6	12.8	9.5	12.7	9.4	12.6	9.3	12.5	9.2	12.5	9.2	12.5	9.1	12.4	9.1	12.5	9.2	13.1	9.5	13.9	10.0	14.6	10.5	14.9	10.7	15.0	10.9	14.9	10.9	14.7	10.8	14.5	10.8	14.4	10.8	14.2	10.6	14.0	10.4	13.7	10.2
S	12.6	9.6	12.4	9.4	12.2	9.3	12.2	9.2	12.1	9.1	12.0	9.0	11.9	8.9	11.9	8.9	11.8	8.8	11.8	8.8	11.7	8.8	11.8	8.8	12.2	9.1	12.6	9.4	13.1	9.7	13.5	10.0	14.0	10.3	14.2	10.5	14.4	10.7	14.3	10.7	14.1	10.6	13.7	10.3	13.3	10.1	13.0	9.8
SW	13.8	10.2	13.5	10.0	13.4	9.9	13.3	9.8	13.3	9.7	13.2	9.6	13.1	9.5	13.0	9.5	13.0	9.4	12.9	9.4	12.9	9.4	13.0	9.4	13.4	9.7	13.7	9.9	14.1	10.2	14.3	10.4	14.6	10.6	15.0	10.9	15.6	11.3	15.9	11.5	16.0	11.6	15.8	11.4	15.3	11.1	14.6	10.7
W	14.3	10.4	13.8	10.1	13.7	10.0	13.6	9.9	13.5	9.8	13.5	9.8	13.3	9.7	13.3	9.6	13.3	9.6	13.2	9.5	13.2	9.5	13.3	9.5	13.7	9.8	14.0	10.1	14.4	10.4	14.6	10.6	14.9	10.8	15.0	10.9	15.5	11.2	16.0	11.6	16.4	11.8	16.4	11.7	16.0	11.4	15.3	11.0
NW	12.9	9.7	12.5	9.4	12.3	9.3	12.3	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.0	8.9	11.9	8.9	11.9	8.9	11.9	8.8	11.9	8.9	12.3	9.2	12.7	9.4	13.0	9.7	13.3	9.9	13.5	10.1	13.7	10.3	13.8	10.4	14.0	10.6	14.4	10.8	14.6	10.8	14.3	10.6	13.8	10.3
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	16.8	9.6	16.7	9.6	16.7	9.5	16.6	9.5	16.6	9.4	16.5	9.4	16.5	9.4	16.5	9.3	16.4	9.3	16.4	9.3	16.5	9.3	16.9	9.6	17.4	9.9	17.9	10.2	18.3	10.4	18.6	10.6	18.8	10.8	18.9	10.8	18.8	10.8	18.6	10.8	18.3	10.5	17.8	10.3	17.4	10.0	17.0	9.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :AYDIN (37.51)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																							
	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	9.8	7.9	9.6	7.7	9.3	7.5	9.0	7.2	8.7	6.9	8.6	6.7	8.4	6.6	8.3	6.5	8.2	6.4	8.5	6.5	9.9	7.5	11.0	8.3
NE	10.7	8.4	10.5	8.2	10.2	7.9	9.9	7.6	9.6	7.3	9.5	7.2	9.3	7.1	9.2	6.9	9.1	6.9	9.5	7.0	11.3	8.2	14.1	9.9
E	11.6	8.9	11.4	8.7	11.2	8.4	10.9	8.1	10.6	7.8	10.4	7.7	10.3	7.6	10.2	7.4	10.1	7.4	10.4	7.5	12.4	8.8	15.8	10.7
SE	11.6	8.9	11.4	8.7	11.2	8.4	10.9	8.1	10.6	7.8	10.4	7.7	10.3	7.6	10.2	7.4	10.1	7.4	10.4	7.5	12.1	8.6	14.8	10.2
S	11.1	8.6	10.9	8.4	10.6	8.1	10.3	7.8	10.0	7.5	9.9	7.4	9.7	7.3	9.6	7.1	9.5	7.1	9.7	7.2	11.1	8.1	12.2	8.9
SW	12.0	9.1	11.8	8.9	11.6	8.6	11.3	8.3	10.9	8.0	10.8	7.9	10.7	7.8	10.6	7.6	10.5	7.6	10.7	7.7	12.0	8.6	13.1	9.4
W	12.3	9.2	12.1	9.0	11.8	8.7	11.5	8.5	11.2	8.1	11.1	8.0	10.9	7.9	10.8	7.7	10.7	7.7	10.9	7.8	12.3	8.7	13.4	9.5
NW	11.2	8.6	10.9	8.4	10.7	8.2	10.4	7.9	10.1	7.6	9.9	7.4	9.8	7.3	9.7	7.2	9.6	7.1	9.8	7.2	11.1	8.1	12.2	8.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	11.2	8.9	11.1	8.8	11.0	8.7	11.0	8.7	10.9	8.6	10.9	8.6	10.9	8.6	10.8	8.5	10.8	8.5	10.8	8.5	10.8	8.5	10.8	8.5
NE	12.3	9.4	12.2	9.3	12.1	9.3	12.1	9.2	12.1	9.2	12.1	9.2	12.0	9.2	12.0	9.1	12.0	9.1	12.0	9.1	12.0	9.1	12.0	9.1
E	13.6	10.0	13.5	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7
SE	13.6	10.0	13.5	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7
S	12.8	9.7	12.7	9.6	12.7	9.5	12.6	9.5	12.6	9.5	12.6	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.3	12.5	9.3
SW	14.2	10.4	14.0	10.2	13.9	10.1	13.8	10.1	13.8	10.1	13.8	10.1	13.8	10.0	13.7	10.0	13.7	10.0	13.7	10.0	13.7	10.0	13.7	10.0
W	14.6	10.6	14.3	10.4	14.2	10.3	14.2	10.3	14.1	10.2	14.1	10.2	14.1	10.2	14.0	10.2	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1
NW	13.2	9.8	12.9	9.7	12.8	9.6	12.7	9.5	12.7	9.5	12.7	9.5	12.7	9.5	12.6	9.4	12.6	9.4	12.6	9.4	12.6	9.4	12.6	9.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	11.1	8.8	10.8	8.6	10.7	8.5	10.6	8.4	10.6	8.4	10.5	8.3	10.4	8.2	10.3	8.1	10.3	8.1	10.3	8.1	10.2	8.0	10.3	8.1
NE	12.1	9.3	11.9	9.2	11.8	9.0	11.7	9.0	11.6	8.9	11.6	8.8	11.5	8.7	11.4	8.7	11.4	8.7	11.3	8.6	11.3	8.6	11.4	8.6
E	13.3	9.9	13.1	9.8	13.0	9.6	12.9	9.6	12.8	9.5	12.7	9.4	12.6	9.3	12.6	9.3	12.6	9.2	12.5	9.2	12.5	9.2	12.6	9.2
SE	13.3	9.9	13.1	9.8	13.0	9.6	12.9	9.6	12.8	9.5	12.7	9.4	12.6	9.3	12.6	9.3	12.6	9.2	12.5	9.2	12.5	9.2	12.6	9.2
S	12.6	9.6	12.4	9.4	12.3	9.3	12.2	9.2	12.1	9.2	12.1	9.1	12.0	9.0	11.9	8.9	11.9	8.9	11.8	8.9	11.8	8.8	11.9	8.9
SW	13.9	10.2	13.6	10.0	13.4	9.9	13.4	9.8	13.3	9.7	13.2	9.7	13.1	9.6	13.1	9.5	13.0	9.5	13.0	9.4	13.0	9.4	13.0	9.5
W	14.3	10.4	13.9	10.1	13.7	10.0	13.7	10.0	13.6	9.9	13.5	9.8	13.4	9.7	13.4	9.7	13.3	9.6	13.3	9.6	13.3	9.6	13.3	9.6
NW	12.9	9.7	12.5	9.5	12.4	9.3	12.3	9.3	12.2	9.2	12.2	9.1	12.1	9.0	12.0	9.0	12.0	8.9	11.9	8.9	11.9	8.9	12.0	8.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	11.2	8.9	11.1	8.8	11.0	8.7	11.0	8.7	10.9	8.6	10.9	8.6	10.9	8.6	10.8	8.5	10.8	8.5	10.8	8.5	10.8	8.5	10.8	8.5
NE	12.3	9.4	12.2	9.3	12.1	9.3	12.1	9.2	12.1	9.2	12.1	9.2	12.0	9.2	12.0	9.1	12.0	9.1	12.0	9.1	12.0	9.1	12.0	9.1
E	13.6	10.0	13.5	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7
SE	13.6	10.0	13.5	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7
S	12.8	9.7	12.7	9.6	12.7	9.5	12.6	9.5	12.6	9.5	12.6	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.3	12.5	9.3
SW	14.2	10.4	14.0	10.2	13.9	10.1	13.8	10.1	13.8	10.1	13.8	10.1	13.8	10.0	13.7	10.0	13.7	10.0	13.7	10.0	13.7	10.0	13.7	10.0
W	14.6	10.6	14.3	10.4	14.2	10.3	14.2	10.3	14.1	10.2	14.1	10.2	14.1	10.2	14.0	10.2	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1
NW	13.2	9.8	12.9	9.7	12.8	9.6	12.7	9.5	12.7	9.5	12.7	9.5	12.7	9.5	12.6	9.4	12.6	9.4	12.6	9.4	12.6	9.4	12.6	9.4
	R2 - 12cm Concrete+2 cm plaster																							
R	8.7	4.9	8.1	4.3	7.4	3.6	7.2	3.3	6.9	3.1	6.6	2.8	6.5	2.6	7.2	3.0	11.5	5.7	17.3	9.1	23.3	12.8	28.0	15.7

	Hours																							
	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	11.9	9.1	12.7	9.8	13.4	10.4	14.0	10.9	14.5	11.4	14.6	11.5	14.4	11.5	13.8	11.0	13.3	10.6	12.7	10.0	11.1	9.0	10.2	8.4
NE	15.4	10.9	15.4	11.1	14.9	11.1	14.9	11.4	15.4	11.8	15.5	12.0	15.3	12.0	14.7	11.5	13.9	10.9	13.0	10.2	11.8	9.3	11.1	8.8
E	17.9	12.1	18.3	12.5	17.8	12.6	16.8	12.3	16.4	12.3	16.4	12.5	16.3	12.5	15.7	12.0	14.9	11.4	13.9	10.7	12.7	9.8	12.1	9.3
SE	17.0	11.6	18.0	12.4	18.3	12.8	18.0	12.9	17.2	12.7	16.5	12.5	16.3	12.5	15.7	12.0	14.9	11.4	13.9	10.7	12.8	9.8	12.1	9.3
S	13.6	10.0	15.2	11.0	16.5	11.9	17.4	12.6	17.9	13.1	17.7	13.1	17.0	12.8	15.6	11.9	14.3	11.1	13.4	10.4	12.2	9.5	11.5	9.0
SW	14.2	10.3	15.0	10.9	15.7	11.5	17.1	12.5	18.8	13.6	20.0	14.3	20.4	14.5	19.6	14.0	18.0	12.9	15.9	11.7	13.5	10.2	12.4	9.5
W	14.4	10.4	15.2	11.0	16.0	11.6	16.6	12.2	17.9	13.1	19.7	14.1	20.9	14.7	20.9	14.6	19.6	13.7	17.4	12.4	14.1	10.5	12.7	9.6
NW	13.3	9.8	14.1	10.5	14.8	11.1	15.4	11.6	15.9	12.1	16.5	12.5	17.7	13.2	18.1	13.2	17.5	12.7	15.9	11.7	12.9	9.9	11.6	9.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	10.8	8.5	11.0	8.6	11.1	8.7	11.2	8.8	11.2	8.8	11.3	8.9	11.4	8.9	11.4	9.0	11.4	9.0	11.4	9.0	11.3	9.0	11.3	8.9
NE	12.0	9.1	12.2	9.2	12.4	9.4	12.6	9.5	12.6	9.5	12.5	9.5	12.5	9.5	12.6	9.6	12.6	9.6	12.5	9.6	12.5	9.5	12.4	9.5
E	13.2	9.7	13.4	9.8	13.7	10.0	13.9	10.2	14.0	10.2	13.9	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.7	10.2	13.7	10.1
SE	13.2	9.7	13.4	9.8	13.6	10.0	13.9	10.1	14.0	10.2	14.0	10.2	14.0	10.2	13.9	10.2	13.8	10.2	13.8	10.2	13.7	10.2	13.7	10.1
S	12.5	9.3	12.6	9.4	12.7	9.5	12.9	9.6	13.0	9.7	13.1	9.8	13.2	9.9	13.3	9.9	13.3	9.9	13.2	9.9	13.0	9.8	12.9	9.7
SW	13.7	10.0	13.8	10.1	13.9	10.1	14.0	10.2	14.1	10.3	14.2	10.3	14.3	10.4	14.5	10.5	14.6	10.6	14.6	10.6	14.6	10.6	14.4	10.5
W	14.0	10.1	14.1	10.2	14.3	10.3	14.4	10.4	14.4	10.4	14.5	10.5	14.6	10.5	14.7	10.6	14.9	10.7	15.0	10.8	15.0	10.8	14.9	10.7
NW	12.6	9.4	12.7	9.5	12.8	9.6	12.9	9.7	13.0	9.7	13.1	9.8	13.1	9.8	13.2	9.9	13.2	9.9	13.4	10.0	13.4	10.0	13.3	9.9
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	10.7	8.4	11.1	8.6	11.3	8.8	11.6	9.0	11.8	9.2	12.0	9.4	12.1	9.5	12.1	9.6	12.1	9.5	11.9	9.4	11.7	9.3	11.5	9.1
NE	12.0	9.0	12.8	9.5	13.2	9.8	13.2	9.8	13.0	9.8	13.0	9.9	13.2	10.1	13.2	10.1	13.2	10.1	13.0	10.0	12.8	9.8	12.5	9.6
E	13.2	9.6	14.2	10.2	14.8	10.6	14.9	10.7	14.8	10.7	14.5	10.6	14.4	10.7	14.4	10.7	14.4	10.7	14.2	10.6	13.9	10.4	13.6	10.2
SE	13.1	9.6	13.9	10.0	14.5	10.5	14.8	10.7	14.9	10.8	14.8	10.8	14.6	10.8	14.4	10.7	14.4	10.7	14.2	10.6	13.9	10.4	13.6	10.2
S	12.3	9.1	12.6	9.4	13.0	9.7	13.5	10.0	13.9	10.3	14.1	10.5	14.3	10.6	14.2	10.6	14.0	10.5	13.6	10.3	13.2	10.0	13.0	9.8
SW	13.4	9.7	13.8	10.0	14.1	10.2	14.3	10.4	14.5	10.6	15.0	10.9	15.5	11.2	15.8	11.4	15.9	11.5	15.7	11.3	15.2	11.0	14.6	10.6
W	13.7	9.9	14.1	10.1	14.4	10.4	14.6	10.6	14.8	10.7	15.0	10.9	15.4	11.2	15.9	11.5	16.3	11.7	16.3	11.6	15.9	11.4	15.3	11.0
NW	12.4	9.2	12.7	9.4	13.0	9.7	13.3	9.9	13.5	10.1	13.6	10.2	13.8	10.4	14.0	10.5	14.3	10.7	14.4	10.7	14.2	10.5	13.8	10.2
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	10.8	8.5	11.0	8.6	11.1	8.7	11.2	8.8	11.2	8.8	11.3	8.9	11.4	8.9	11.4	9.0	11.4	9.0	11.4	9.0	11.3	9.0	11.3	8.9
NE	12.0	9.1	12.2	9.2	12.4	9.4	12.6	9.5	12.6	9.5	12.5	9.5	12.5	9.5	12.6	9.6	12.6	9.6	12.5	9.6	12.5	9.5	12.4	9.5
E	13.2	9.7	13.4	9.8	13.7	10.0	13.9	10.2	14.0	10.2	13.9	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.8	10.2	13.7	10.2	13.7	10.1
SE	13.2	9.7	13.4	9.8	13.6	10.0	13.9	10.1	14.0	10.2	14.0	10.2	14.0	10.2	13.9	10.2	13.8	10.2	13.8	10.2	13.7	10.2	13.7	10.1
S	12.5	9.3	12.6	9.4	12.7	9.5	12.9	9.6	13.0	9.7	13.1	9.8	13.2	9.9	13.3	9.9	13.3	9.9	13.2	9.9	13.0	9.8	12.9	9.7
SW	13.7	10.0	13.8	10.1	13.9	10.1	14.0	10.2	14.1	10.3	14.2	10.3	14.3	10.4	14.5	10.5	14.6	10.6	14.6	10.6	14.6	10.6	14.4	10.5
W	14.0	10.1	14.1	10.2	14.3	10.3	14.4	10.4	14.4	10.4	14.5	10.5	14.6	10.5	14.7	10.6	14.9	10.7	15.0	10.8	15.0	10.8	14.9	10.7
NW	12.6	9.4	12.7	9.5	12.8	9.6	12.9	9.7	13.0	9.7	13.1	9.8	13.1	9.8	13.2	9.9	13.2	9.9	13.4	10.0	13.4	10.0	13.3	9.9
	R2 - 12cm Concrete+2 cm plaster																							
R	31.6	18.1	33.8	19.6	34.9	20.7	34.5	20.7	32.2	19.6	28.0	17.2	22.7	14.2	17.5	11.1	12.7	8.1	10.6	6.7	9.7	5.9	9.3	5.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BALIKESIR (39.39)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.8	6.7	8.5	6.4	8.2	6.1	8.0	5.9	7.9	5.8	7.6	5.5	7.4	5.4	7.3	5.2	7.2	5.1	7.1	5.0	7.4	5.2	8.3	5.8	9.0	6.4	9.7	7.0	10.3	7.5	10.9	8.0	11.3	8.4	11.5	8.6	11.6	8.7	11.5	8.6	11.2	8.5	10.7	8.1	10.2	7.7	9.4	7.2
NE	9.8	7.2	9.5	6.9	9.3	6.7	9.1	6.5	8.9	6.3	8.6	6.0	8.5	5.9	8.3	5.7	8.2	5.6	8.1	5.5	8.6	5.8	9.9	6.6	11.3	7.6	12.1	8.2	12.2	8.4	12.1	8.6	12.4	8.9	12.6	9.1	12.6	9.2	12.5	9.1	12.2	9.0	11.7	8.6	11.0	8.1	10.3	7.6
E	10.9	7.7	10.6	7.4	10.4	7.2	10.2	7.0	10.0	6.9	9.7	6.6	9.6	6.4	9.4	6.3	9.3	6.2	9.2	6.1	9.7	6.3	11.2	7.2	13.0	8.4	14.0	9.2	14.4	9.5	14.3	9.7	13.9	9.7	13.7	9.7	13.7	9.8	13.6	9.7	13.3	9.5	12.8	9.1	12.1	8.6	11.4	8.2
SE	10.9	7.7	10.6	7.4	10.4	7.2	10.2	7.0	10.0	6.9	9.7	6.6	9.6	6.4	9.4	6.3	9.3	6.2	9.2	6.1	9.6	6.3	10.8	7.0	12.4	8.1	13.6	8.9	14.4	9.5	14.7	9.9	14.6	10.0	14.2	9.9	13.7	9.8	13.6	9.7	13.3	9.5	12.8	9.1	12.1	8.6	11.4	8.2
S	10.2	7.4	9.9	7.1	9.7	6.9	9.5	6.7	9.4	6.5	9.1	6.2	8.9	6.1	8.7	5.9	8.6	5.8	8.6	5.8	8.8	5.9	9.6	6.4	10.4	7.1	11.5	7.9	12.5	8.6	13.5	9.3	14.0	9.7	14.1	9.9	14.0	9.9	13.6	9.7	12.9	9.3	12.1	8.8	11.4	8.3	10.7	7.8
SW	10.7	7.6	10.4	7.3	10.1	7.1	9.9	6.9	9.8	6.8	9.5	6.5	9.3	6.3	9.2	6.2	9.1	6.0	9.0	6.0	9.3	6.1	10.0	6.7	10.8	7.3	11.6	7.9	12.2	8.4	12.8	9.0	13.8	9.6	14.5	10.1	14.9	10.4	15.0	10.4	14.7	10.2	13.6	9.5	12.5	8.8	11.4	8.1
W	10.7	7.6	10.4	7.3	10.1	7.1	9.9	6.9	9.8	6.8	9.5	6.5	9.3	6.3	9.2	6.2	9.1	6.0	9.0	6.0	9.3	6.1	10.0	6.7	10.8	7.3	11.6	7.9	12.2	8.4	12.8	9.0	13.2	9.4	13.8	9.7	14.6	10.2	15.0	10.4	15.1	10.4	14.0	9.7	12.9	9.0	11.6	8.2
NW	9.7	7.2	9.4	6.9	9.2	6.6	9.0	6.4	8.9	6.3	8.5	6.0	8.4	5.8	8.2	5.7	8.1	5.6	8.1	5.5	8.3	5.7	9.1	6.2	9.9	6.8	10.6	7.4	11.2	8.0	11.9	8.5	12.3	8.9	12.5	9.1	12.7	9.2	13.1	9.5	13.3	9.5	12.7	9.1	11.8	8.5	10.6	7.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.3	6.9	9.1	6.7	9.0	6.6	8.9	6.6	8.8	6.5	8.8	6.5	8.7	6.4	8.6	6.3	8.6	6.3	8.5	6.2	8.5	6.2	8.6	6.3	8.9	6.5	9.1	6.6	9.4	6.8	9.5	7.0	9.7	7.2	9.9	7.3	10.0	7.4	10.0	7.4	9.9	7.4	9.8	7.3	9.7	7.2	9.5	7.1
NE	10.4	7.5	10.2	7.3	10.1	7.2	10.0	7.1	10.0	7.1	9.9	7.0	9.8	6.9	9.8	6.9	9.7	6.8	9.7	6.8	9.7	6.8	9.8	6.9	10.2	7.1	10.7	7.4	10.9	7.6	11.0	7.7	11.0	7.8	11.0	7.9	11.1	7.9	11.1	8.0	11.1	7.9	11.0	7.9	10.8	7.8	10.6	7.6
E	11.6	8.1	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.7	11.2	7.7	11.1	7.6	11.0	7.5	11.0	7.5	10.9	7.4	10.9	7.4	11.0	7.5	11.5	7.8	12.1	8.1	12.4	8.4	12.6	8.5	12.5	8.6	12.4	8.6	12.3	8.5	12.3	8.6	12.3	8.6	12.2	8.5	12.0	8.4	11.8	8.2
SE	11.6	8.1	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.7	11.2	7.7	11.1	7.6	11.0	7.5	11.0	7.5	10.9	7.4	10.9	7.4	11.0	7.5	11.4	7.7	11.9	8.0	12.3	8.3	12.5	8.5	12.7	8.6	12.6	8.7	12.5	8.6	12.3	8.6	12.3	8.6	12.2	8.5	12.0	8.4	11.8	8.2
S	10.9	7.7	10.7	7.6	10.6	7.5	10.5	7.4	10.4	7.3	10.4	7.3	10.3	7.2	10.3	7.1	10.2	7.1	10.2	7.0	10.2	7.0	10.2	7.1	10.5	7.2	10.7	7.4	11.1	7.7	11.4	7.9	11.7	8.2	11.9	8.3	11.9	8.4	11.9	8.4	11.8	8.3	11.6	8.2	11.3	8.0	11.1	7.8
SW	11.4	8.0	11.2	7.8	11.1	7.7	11.0	7.6	10.9	7.6	10.9	7.5	10.8	7.4	10.8	7.4	10.7	7.3	10.7	7.3	10.6	7.3	10.7	7.3	11.0	7.5	11.2	7.7	11.5	7.9	11.7	8.1	11.9	8.2	12.2	8.4	12.4	8.6	12.6	8.7	12.6	8.7	12.5	8.6	12.1	8.4	11.8	8.2
W	11.5	8.0	11.2	7.8	11.1	7.7	11.0	7.6	10.9	7.6	10.9	7.5	10.8	7.4	10.8	7.4	10.7	7.3	10.7	7.3	10.6	7.3	10.7	7.3	11.0	7.5	11.2	7.7	11.5	7.9	11.7	8.1	11.9	8.2	12.0	8.4	12.2	8.5	12.4	8.6	12.6	8.7	12.6	8.7	12.3	8.5	11.9	8.3
NW	10.4	7.5	10.1	7.3	10.0	7.2	9.9	7.1	9.9	7.0	9.8	7.0	9.7	6.9	9.7	6.8	9.6	6.8	9.6	6.8	9.6	6.7	9.7	6.8	9.9	7.0	10.2	7.2	10.4	7.4	10.6	7.5	10.8	7.7	10.9	7.8	11.0	7.9	11.1	7.9	11.2	8.0	11.3	8.0	11.1	7.9	10.8	7.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.3	6.9	9.0	6.7	8.9	6.6	8.8	6.5	8.7	6.4	8.6	6.4	8.5	6.2	8.4	6.2	8.4	6.1	8.3	6.0	8.3	6.0	8.4	6.1	8.8	6.4	9.1	6.6	9.4	6.9	9.7	7.1	9.9	7.3	10.1	7.5	10.2	7.6	10.3	7.6	10.2	7.6	10.1	7.5	9.8	7.3	9.6	7.2
NE	10.4	7.5	10.1	7.3	10.0	7.2	9.9	7.1	9.8	7.0	9.8	6.9	9.6	6.8	9.6	6.7	9.5	6.7	9.5	6.6	9.4	6.6	9.6	6.7	10.2	7.0	10.8	7.5	11.1	7.7	11.2	7.8	11.1	7.9	11.3	8.1	11.4	8.1	11.4	8.2	11.3	8.1	11.2	8.1	11.0	7.9	10.7	7.7
E	11.6	8.1	11.3	7.9	11.2	7.8	11.1	7.7	11.0	7.6	11.0	7.5	10.8	7.4	10.8	7.3	10.7	7.3	10.7	7.2	10.6	7.2	10.8	7.3	11.5	7.7	12.2	8.2	12.7	8.5	12.9	8.7	12.8	8.8	12.6	8.7	12.6	8.7	12.6	8.8	12.5	8.7	12.4	8.7	12.2	8.5	11.9	8.3
SE	11.6	8.1	11.3	7.9	11.2	7.8	11.1	7.7	11.0	7.6	11.0	7.5	10.8	7.4	10.8	7.3	10.7	7.3	10.7	7.2	10.6	7.2	10.8	7.3	11.3	7.6	12.0	8.0	12.5	8.4	12.9	8.7	13.0	8.9	13.0	8.9	12.8	8.8	12.6	8.8	12.5	8.7	12.4	8.7	12.1	8.5	11.9	8.3
S	10.8	7.7	10.6	7.5	10.5	7.4	10.4	7.3	10.3	7.2	10.2	7.2	10.1	7.0	10.0	7.0	10.0	6.9	9.9	6.8	9.9	6.8	10.0	6.9	10.3	7.1	10.7	7.4	11.1	7.7	11.6	8.0	12.0	8.4	12.2	8.5	12.3	8.6	12.2	8.6	12.1	8.5	11.8	8.4	11.4	8.1	11.1	7.9
SW	11.4	8.0	11.1	7.8	11.0	7.6	10.9	7.5	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.5	7.1	10.4	7.1	10.4	7.1	10.5	7.1	10.8	7.4	11.2	7.6	11.5	7.9	11.8	8.1	12.0	8.4	12.4	8.6	12.8	8.8	13.0	9.0	13.0	9.0	12.9	8.9	12.4	8.6	11.9	8.3
W	11.5	8.0	11.1	7.8	11.0	7.6	10.9	7.5	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.4	7.1	10.4	7.1	10.5	7.1	10.8	7.4	11.2	7.6	11.5	7.9	11.8	8.1	12.0	8.4	12.2	8.5	12.5	8.7	12.8	8.9	13.0	9.0	13.0	9.0	12.6	8.7	12.1	8.4
NW	10.4	7.5	10.1	7.3	9.9	7.1	9.8	7.0	9.7	6.9	9.7	6.9	9.5	6.7	9.5	6.7	9.4	6.6	9.4	6.6	9.3	6.5	9.4	6.6	9.8	6.8	10.1	7.1	10.5	7.4	10.7	7.6	11.0	7.8	11.2	8.0	11.3	8.1	11.4	8.2	11.5	8.3	11.6	8.3	11.3	8.1	11.0	7.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.3	7.0	9.0	6.7	8.8	6.6	8.7	6.4	8.6	6.3	8.5	6.3	8.4	6.1	8.3	6.0	8.2	6.0	8.1	5.9	8.1	5.9	8.3	6.0	8.7	6.3	9.1	6.6	9.4	6.9	9.8	7.1	10.1	7.4	10.3	7.6	10.4	7.7	10.5	7.8	10.4	7.7	10.2	7.7	10.0	7.4	9.7	7.2
NE	10.4	7.5	10.1	7.3	9.9	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.4	6.6	9.3	6.5	9.3	6.5	9.2	6.4	9.5	6.6	10.1	7.0	10.9	7.5	11.3	7.8	11.3	7.9	11.3	8.0	11.4	8.2	11.5	8.3	11.6	8.3	11.5	8.3	11.3	8.2	11.1	8.0	10.7	7.7
E	11.5	8.1	11.3	7.9	11.1	7.7	11.0	7.6	10.9	7.5	10.8	7.4	10.7	7.3	10.6	7.2	10.5	7.1	10.4	7.0	10.4	7.0	10.6	7.1	11.4	7.6	12.4	8.2	12.9	8.6	13.1	8.8	13.1	8.9	12.8	8.9	12.7	8.9	12.8	8.9	12.7	8.9	12.5	8.8	12.2	8.6	11.9	8.3
SE	11.5	8.1	11.3	7.9	11.1	7.7	11.0	7.6	10.9	7.5	10.8	7.4	10.7	7.3	10.6	7.2	10.5	7.1	10.4	7.0	10.4	7.0	10.6	7.1	11.2	7.5	12.0	8.0	12.7	8.5	13.1	8.8	13.3	9.0	13.2	9.1	13.0	9.0	12.8	8.9	12.7	8.9	12.5	8.8	12.2	8.6	11.9	8.3
S	10.8	7.7	10.6	7.5	10.4	7.4	10.3	7.2	10.2	7.1	10.1	7.1	9.9	6.9	9.9	6.8	9.8	6.7	9.7	6.7	9.7	6.6	9.8	6.7	10.2	7.0	10.6	7.3	11.2	7.8	11.7	8.1	12.2	8.5	12.5	8.7	12.6	8.8	12.5	8.8	12.3	8.7	12.0	8.5	11.5	8.2	11.2	8.0
SW	11.4	8.0	11.0	7.8	10.9	7.6	10.7	7.5	10.6	7.4	10.6	7.3	10.4	7.1	10.3	7.1	10.3	7.0	10.2	6.9	10.2	6.9	10.3	7.0	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.5	12.7	8.8	13.0	9.0	13.3	9.2	13.3	9.2	13.1	9.1	12.5	8.7	12.0	8.4
W	11.5	8.1	11.0	7.8	10.9	7.6	10.7	7.5	10.6	7.4	10.6	7.3	10.4	7.1	10.3	7.1	10.3	7.0	10.2	6.9	10.2	6.9	10.3	7.0	10.7	7.2	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.5	12.4	8.6	12.7	8.9	13.1	9.1	13.3	9.2	13.3	9.2	12.8	8.9	12.2	8.5
NW	10.5	7.5	10.0	7.2	9.8	7.1	9.7	7.0	9.6	6.9	9.6	6.8	9.4	6.6	9.3	6.5	9.2	6.5	9.2	6.4	9.1	6.4	9.3	6.5	9.7	6.7	10.1	7.1	10.5	7.4	10.8	7.7	11.1	7.9	11.3	8.1	11.4	8.2	11.6	8.3	11.8	8.4	11.9	8.5	11.5	8.2	11.1	7.9
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.6	7.0	13.5	7.0	13.4	6.9	13.3	6.8	13.3	6.8	13.2	6.7	13.2	6.7	13.1	6.6	13.1	6.6	13.1	6.6	13.2	6.6	13.6	6.9	14.1	7.2	14.5	7.5	14.9	7.7	15.3	8.0	15.4	8.1	15.5	8.1	15.4	8.1	15.2	8.0	14.9	7.9	14.5	7.6	14.1	7.4	13.8	7.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BALIKESIR (39.39)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	8.0	6.1	7.6	5.7	7.3	5.4	7.1	5.2	6.6	4.7	6.3	4.4	6.1	4.2	5.9	4.0	5.8	3.9	6.3	4.2	7.7	5.2	8.8	6.1	10.0	7.1	11.0	7.9	12.0	8.8	12.7	9.4	13.0	9.8	13.2	9.9	12.9	9.8	12.4	9.5	11.6	8.9	10.8	8.2	9.5	7.4	8.5	6.6
NE	8.9	6.6	8.5	6.2	8.2	5.9	8.0	5.7	7.5	5.2	7.2	4.9	7.0	4.7	6.8	4.5	6.7	4.4	7.4	4.8	9.6	6.1	12.0	7.7	13.1	8.7	13.3	9.1	13.2	9.4	13.6	9.9	14.0	10.2	14.1	10.4	13.8	10.3	13.4	10.0	12.5	9.3	11.4	8.5	10.3	7.8	9.4	7.1
E	9.9	7.1	9.5	6.7	9.2	6.4	9.0	6.2	8.5	5.6	8.2	5.4	8.0	5.1	7.8	5.0	7.7	4.8	8.4	5.3	10.8	6.7	13.8	8.6	15.5	9.9	16.2	10.5	16.1	10.9	15.3	10.8	15.0	10.7	15.1	10.9	14.8	10.8	14.3	10.5	13.4	9.8	12.4	9.0	11.2	8.2	10.4	7.6
SE	9.9	7.1	9.5	6.7	9.2	6.4	9.0	6.2	8.5	5.6	8.2	5.4	8.0	5.1	7.8	5.0	7.7	4.8	8.2	5.2	10.2	6.4	12.8	8.1	14.9	9.5	16.1	10.5	16.7	11.2	16.5	11.3	15.8	11.1	15.1	10.9	14.8	10.8	14.3	10.5	13.4	9.8	12.4	9.0	11.2	8.2	10.4	7.6
S	9.3	6.8	8.9	6.4	8.6	6.1	8.4	5.9	7.9	5.3	7.6	5.1	7.4	4.8	7.2	4.7	7.1	4.5	7.5	4.8	8.7	5.7	10.0	6.7	11.8	8.0	13.6	9.2	15.1	10.4	16.0	11.1	16.2	11.3	16.0	11.3	15.3	11.0	14.2	10.4	12.8	9.5	11.8	8.7	10.6	7.9	9.8	7.3
SW	9.7	7.0	9.3	6.6	9.0	6.3	8.8	6.1	8.3	5.5	8.0	5.3	7.8	5.0	7.6	4.9	7.5	4.7	7.9	5.0	9.1	5.9	10.4	6.9	11.7	8.0	12.7	8.8	13.7	9.7	15.3	10.7	16.5	11.5	17.2	12.0	17.3	12.0	16.8	11.7	14.9	10.6	13.1	9.4	11.3	8.3	10.2	7.5
W	9.7	7.0	9.3	6.6	9.0	6.2	8.8	6.1	8.3	5.5	8.0	5.3	7.8	5.0	7.6	4.9	7.5	4.7	7.9	5.0	9.1	5.9	10.4	6.9	11.7	8.0	12.7	8.8	13.7	9.7	14.4	10.3	15.4	10.9	16.7	11.7	17.4	12.0	17.4	12.0	15.7	11.0	13.8	9.8	11.7	8.4	10.2	7.5
NW	8.8	6.5	8.4	6.1	8.1	5.8	7.9	5.6	7.4	5.1	7.2	4.9	6.9	4.6	6.7	4.4	6.6	4.3	7.0	4.6	8.2	5.5	9.6	6.5	10.8	7.5	11.8	8.4	12.8	9.2	13.6	9.9	13.9	10.2	14.2	10.5	15.0	10.8	15.3	11.0	14.2	10.2	12.7	9.2	10.8	8.0	9.3	7.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.9	9.2	6.8	9.1	6.8	9.1	6.7	9.0	6.7	9.0	6.6	9.0	6.6	8.9	6.6	8.9	6.6	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.5	9.1	6.6	9.2	6.7	9.3	6.8	9.4	6.9	9.5	7.0	9.5	7.0	9.6	7.1	9.6	7.1	9.6	7.1	9.5	7.0	9.4	7.0
NE	10.5	7.5	10.4	7.4	10.3	7.4	10.3	7.3	10.2	7.3	10.2	7.2	10.2	7.2	10.1	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.3	7.3	10.6	7.4	10.7	7.5	10.7	7.5	10.7	7.6	10.7	7.6	10.8	7.7	10.8	7.7	10.7	7.7	10.7	7.6	10.6	7.6
E	11.7	8.1	11.6	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.4	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.3	7.7	11.3	7.7	11.3	7.7	11.4	7.8	11.6	7.9	11.9	8.1	12.1	8.2	12.1	8.3	12.1	8.3	12.0	8.3	12.0	8.3	12.0	8.3	12.0	8.3	11.9	8.3	11.9	8.2
SE	11.7	8.1	11.6	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.4	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.3	7.7	11.3	7.7	11.3	7.7	11.4	7.7	11.5	7.9	11.8	8.0	12.0	8.2	12.1	8.3	12.2	8.3	12.1	8.3	12.1	8.3	12.0	8.3	12.0	8.3	11.9	8.3	11.9	8.2
S	11.0	7.7	10.9	7.7	10.8	7.6	10.7	7.5	10.7	7.5	10.7	7.5	10.7	7.5	10.6	7.4	10.6	7.4	10.6	7.4	10.5	7.3	10.5	7.3	10.6	7.4	10.7	7.4	10.8	7.5	11.0	7.7	11.2	7.8	11.3	7.9	11.4	8.0	11.4	8.0	11.4	8.0	11.3	7.9	11.2	7.9	11.1	7.8
SW	11.6	8.0	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.6	11.1	7.6	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.1	11.8	8.2	11.9	8.2	12.0	8.3	12.0	8.3	11.9	8.3	11.8	8.1
W	11.6	8.1	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.6	11.1	7.6	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.1	11.7	8.1	11.8	8.2	11.9	8.2	12.0	8.3	12.0	8.3	11.8	8.2
NW	10.5	7.5	10.4	7.4	10.2	7.3	10.2	7.3	10.1	7.2	10.1	7.2	10.1	7.2	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.0	10.0	7.1	10.1	7.2	10.2	7.3	10.4	7.3	10.5	7.4	10.6	7.5	10.6	7.6	10.7	7.6	10.7	7.6	10.8	7.7	10.8	7.7	10.7	7.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.3	7.0	9.0	6.7	8.8	6.6	8.7	6.5	8.6	6.4	8.6	6.3	8.4	6.2	8.3	6.1	8.3	6.0	8.2	6.0	8.2	5.9	8.3	6.0	8.7	6.3	9.1	6.6	9.4	6.9	9.7	7.1	10.0	7.4	10.2	7.6	10.3	7.7	10.4	7.7	10.3	7.7	10.2	7.6	9.9	7.4	9.7	7.2
NE	10.4	7.5	10.1	7.3	10.0	7.1	9.8	7.0	9.8	6.9	9.7	6.9	9.5	6.7	9.5	6.6	9.4	6.6	9.3	6.5	9.3	6.5	9.5	6.6	10.2	7.0	10.9	7.5	11.2	7.8	11.3	7.9	11.2	8.0	11.4	8.1	11.5	8.2	11.5	8.3	11.4	8.2	11.3	8.2	11.0	8.0	10.7	7.7
E	11.6	8.1	11.3	7.9	11.2	7.7	11.0	7.6	10.9	7.5	10.9	7.5	10.7	7.3	10.7	7.2	10.6	7.2	10.5	7.1	10.5	7.1	10.7	7.2	11.4	7.6	12.3	8.2	12.8	8.6	13.0	8.8	13.0	8.9	12.8	8.8	12.7	8.8	12.7	8.9	12.6	8.8	12.5	8.7	12.2	8.5	11.9	8.3
SE	11.6	8.1	11.3	7.9	11.2	7.7	11.0	7.6	10.9	7.5	10.9	7.5	10.7	7.3	10.7	7.2	10.6	7.2	10.5	7.1	10.5	7.1	10.7	7.2	11.2	7.5	12.0	8.0	12.6	8.5	13.0	8.7	13.2	8.9	13.1	9.0	12.9	8.9	12.7	8.9	12.6	8.8	12.5	8.7	12.2	8.5	11.9	8.3
S	10.8	7.7	10.6	7.5	10.4	7.4	10.3	7.3	10.2	7.2	10.2	7.1	10.0	7.0	9.9	6.9	9.9	6.8	9.8	6.8	9.8	6.7	9.9	6.8	10.3	7.1	10.6	7.4	11.2	7.7	11.7	8.1	12.1	8.4	12.4	8.6	12.5	8.7	12.4	8.7	12.2	8.6	11.9	8.5	11.5	8.2	11.2	8.0
SW	11.4	8.0	11.1	7.8	10.9	7.6	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.4	7.0	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.4	12.6	8.7	12.9	9.0	13.1	9.1	13.2	9.1	13.0	9.0	12.5	8.7	11.9	8.3
W	11.5	8.1	11.1	7.8	10.9	7.6	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.3	7.0	10.3	7.0	10.2	7.0	10.4	7.0	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.4	12.3	8.6	12.6	8.8	13.0	9.0	13.2	9.1	13.2	9.1	12.7	8.8	12.1	8.4
NW	10.4	7.5	10.0	7.2	9.9	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.4	6.6	9.3	6.5	9.3	6.5	9.2	6.4	9.3	6.5	9.7	6.8	10.1	7.1	10.5	7.4	10.8	7.6	11.1	7.9	11.3	8.1	11.4	8.2	11.5	8.3	11.7	8.4	11.8	8.4	11.5	8.2	11.0	7.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.9	9.2	6.8	9.1	6.8	9.1	6.7	9.1	6.7	9.0	6.7	9.0	6.7	9.0	6.6	9.0	6.6	9.0	6.6	8.9	6.6	8.9	6.6	9.0	6.6	9.1	6.7	9.2	6.7	9.3	6.8	9.3	6.9	9.4	6.9	9.5	7.0	9.5	7.0	9.5	7.0	9.5	7.0	9.5	7.0	9.4	6.9
NE	10.5	7.5	10.4	7.4	10.3	7.4	10.3	7.3	10.3	7.3	10.2	7.3	10.2	7.2	10.2	7.2	10.2	7.2	10.1	7.2	10.1	7.2	10.1	7.1	10.2	7.2	10.3	7.3	10.5	7.4	10.6	7.5	10.6	7.5	10.6	7.5	10.7	7.6	10.7	7.6	10.7	7.6	10.7	7.6	10.6	7.6	10.6	7.5
E	11.7	8.1	11.7	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.5	7.9	11.5	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.6	7.9	11.8	8.1	12.0	8.2	12.0	8.2	12.0	8.2	12.0	8.2	11.9	8.2	11.9	8.2	11.9	8.2	11.9	8.2	11.8	8.2
SE	11.7	8.1	11.6	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.5	7.9	11.5	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.6	7.9	11.8	8.0	11.9	8.1	12.0	8.2	12.1	8.3	12.1	8.3	12.0	8.3	11.9	8.2	11.9	8.2	11.9	8.2	11.8	8.2
S	11.0	7.7	10.9	7.7	10.8	7.6	10.8	7.6	10.7	7.5	10.7	7.5	10.7	7.5	10.7	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.7	7.5	10.8	7.6	11.0	7.7	11.1	7.8	11.2	7.8	11.3	7.9	11.3	7.9	11.3	7.9	11.2	7.9	11.2	7.8	11.1	7.8
SW	11.6	8.0	11.4	7.9	11.3	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.7	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.0	11.7	8.1	11.8	8.2	11.9	8.2	11.9	8.2	11.8	8.2	11.7	8.1
W	11.6	8.0	11.4	7.9	11.3	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.7	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.0	11.7	8.1	11.7	8.1	11.8	8.2	11.9	8.2	11.9	8.2	11.8	8.1
NW	10.5	7.5	10.3	7.4	10.2	7.3	10.2	7.3	10.2	7.2	10.1	7.2	10.1	7.2	10.1	7.2	10.1	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.1	7.1	10.2	7.2	10.3	7.3	10.4	7.3	10.4	7.4	10.5	7.5	10.6	7.5	10.6	7.6	10.6	7.6	10.7	7.6	10.7	7.6	10.6	7.6
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.8	2.3	5.4	1.9	4.3	0.8	3.8	0.3	3.3	-0.2	2.9	-0.6	2.7	-0.9	4.0	-0.1	8.3	2.6	14.1	6.3	19.8	10.0	24.6	13.1	28.4	15.8	30.4	17.3	30.5	17.7	29.6	17.5	27.5	16.5	24.5	14.8	19.3	11.8	14.8	9.0	10.7	6.5	8.4	4.8	7.3	3.8	6.5	2.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: BARTIN (41.38)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.4	3.3	5.2	3.1	5.0	2.9	4.9	2.8	4.8	2.7	4.4	2.3	4.3	2.2	4.2	2.1	4.2	2.1	4.1	2.0	4.4	2.2	5.1	2.7	5.9	3.3	6.7	4.0	7.4	4.6	8.0	5.0	8.3	5.3	8.3	5.4	8.4	5.4	8.0	5.1	7.6	4.8	7.1	4.5	6.7	4.2	6.1	3.7
NE	5.9	3.5	5.7	3.4	5.5	3.1	5.4	3.0	5.4	3.0	4.9	2.5	4.8	2.5	4.8	2.4	4.7	2.4	4.7	2.3	5.0	2.5	5.8	3.0	7.2	3.9	8.2	4.7	8.5	5.1	8.5	5.3	8.8	5.6	8.9	5.6	8.9	5.7	8.5	5.4	8.1	5.1	7.6	4.8	7.1	4.4	6.3	3.9
E	6.8	4.0	6.6	3.8	6.4	3.6	6.3	3.5	6.2	3.4	5.7	2.9	5.7	2.9	5.6	2.8	5.6	2.8	5.5	2.7	5.8	2.9	6.7	3.5	8.4	4.5	9.8	5.5	10.3	6.0	10.3	6.2	10.0	6.2	9.7	6.1	9.8	6.1	9.3	5.8	9.0	5.5	8.5	5.2	7.9	4.8	7.2	4.3
SE	6.8	4.0	6.6	3.8	6.3	3.5	6.2	3.5	6.2	3.4	5.7	2.9	5.6	2.9	5.6	2.8	5.5	2.8	5.5	2.7	5.7	2.9	6.5	3.4	8.0	4.4	9.5	5.4	10.3	6.0	10.7	6.4	10.6	6.5	10.2	6.3	9.7	6.1	9.3	5.8	8.9	5.5	8.5	5.2	7.9	4.8	7.2	4.3
S	6.8	4.0	6.6	3.8	6.3	3.6	6.3	3.5	6.2	3.4	5.7	2.9	5.7	2.9	5.6	2.8	5.6	2.8	5.5	2.7	5.7	2.9	6.4	3.3	7.2	4.0	8.4	4.8	9.4	5.6	10.3	6.2	10.7	6.5	10.8	6.6	10.6	6.6	9.9	6.1	9.2	5.7	8.5	5.2	7.9	4.8	7.2	4.3
SW	7.3	4.2	7.1	4.0	6.8	3.8	6.8	3.7	6.7	3.6	6.2	3.2	6.2	3.1	6.1	3.1	6.1	3.0	6.0	3.0	6.2	3.1	6.9	3.6	7.7	4.2	8.6	4.9	9.3	5.5	9.8	6.0	10.7	6.5	11.2	6.8	11.6	7.0	11.2	6.7	10.8	6.4	10.2	6.1	9.1	5.4	8.1	4.7
W	7.3	4.2	7.1	4.1	6.9	3.8	6.8	3.7	6.7	3.7	6.3	3.2	6.2	3.1	6.1	3.1	6.1	3.0	6.0	3.0	6.2	3.1	6.9	3.6	7.8	4.2	8.6	4.9	9.3	5.5	9.9	6.0	10.2	6.2	10.6	6.5	11.2	6.9	11.2	6.7	11.1	6.6	10.7	6.3	9.6	5.7	8.6	5.0
NW	6.4	3.8	6.2	3.6	6.0	3.4	5.9	3.3	5.8	3.2	5.4	2.7	5.3	2.7	5.2	2.6	5.2	2.6	5.1	2.5	5.3	2.7	6.0	3.1	6.9	3.8	7.7	4.5	8.4	5.1	9.0	5.5	9.3	5.8	9.3	5.9	9.4	5.9	9.5	5.9	9.5	5.8	9.3	5.6	8.5	5.1	7.6	4.5
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.3	6.9	9.1	6.7	9.0	6.6	8.9	6.6	8.8	6.5	8.8	6.5	8.7	6.4	8.6	6.3	8.6	6.3	8.5	6.2	8.5	6.2	8.6	6.3	8.9	6.5	9.1	6.6	9.4	6.8	9.5	7.0	9.7	7.2	9.9	7.3	10.0	7.4	10.0	7.4	9.9	7.4	9.8	7.3	9.7	7.2	9.5	7.1
NE	10.4	7.5	10.2	7.3	10.1	7.2	10.0	7.1	10.0	7.1	9.9	7.0	9.8	6.9	9.8	6.9	9.7	6.8	9.7	6.8	9.7	6.8	9.8	6.9	10.2	7.1	10.7	7.4	10.9	7.6	11.0	7.7	11.0	7.8	11.0	7.9	11.1	7.9	11.1	8.0	11.1	7.9	11.0	7.9	10.8	7.8	10.6	7.6
E	11.6	8.1	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.7	11.2	7.7	11.1	7.6	11.0	7.5	11.0	7.5	10.9	7.4	10.9	7.4	11.0	7.5	11.5	7.8	12.1	8.1	12.4	8.4	12.6	8.5	12.5	8.6	12.4	8.6	12.3	8.5	12.3	8.6	12.3	8.6	12.2	8.5	12.0	8.4	11.8	8.2
SE	11.6	8.1	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.7	11.2	7.7	11.1	7.6	11.0	7.5	11.0	7.5	10.9	7.4	10.9	7.4	11.0	7.5	11.4	7.7	11.9	8.0	12.3	8.3	12.5	8.5	12.7	8.6	12.6	8.7	12.5	8.6	12.3	8.6	12.3	8.6	12.2	8.5	12.0	8.4	11.8	8.2
S	10.9	7.7	10.7	7.6	10.6	7.5	10.5	7.4	10.4	7.3	10.4	7.3	10.3	7.2	10.3	7.1	10.2	7.1	10.2	7.0	10.2	7.0	10.2	7.1	10.5	7.2	10.7	7.4	11.1	7.7	11.4	7.9	11.7	8.2	11.9	8.3	11.9	8.4	11.9	8.4	11.8	8.3	11.6	8.2	11.3	8.0	11.1	7.8
SW	11.4	8.0	11.2	7.8	11.1	7.7	11.0	7.6	10.9	7.6	10.9	7.5	10.8	7.4	10.8	7.4	10.7	7.3	10.7	7.3	10.6	7.3	10.7	7.3	11.0	7.5	11.2	7.7	11.5	7.9	11.7	8.1	11.9	8.2	12.2	8.4	12.4	8.6	12.6	8.7	12.6	8.7	12.5	8.6	12.1	8.4	11.8	8.2
W	11.5	8.0	11.2	7.8	11.1	7.7	11.0	7.6	10.9	7.6	10.9	7.5	10.8	7.4	10.8	7.4	10.7	7.3	10.7	7.3	10.6	7.3	10.7	7.3	11.0	7.5	11.2	7.7	11.5	7.9	11.7	8.1	11.9	8.2	12.0	8.4	12.2	8.5	12.4	8.6	12.6	8.7	12.6	8.7	12.3	8.5	11.9	8.3
NW	10.4	7.5	10.1	7.3	10.0	7.2	9.9	7.1	9.9	7.0	9.8	7.0	9.7	6.9	9.7	6.8	9.6	6.8	9.6	6.8	9.6	6.7	9.7	6.8	9.9	7.0	10.2	7.2	10.4	7.4	10.6	7.5	10.8	7.7	10.9	7.8	11.0	7.9	11.1	7.9	11.2	8.0	11.3	8.0	11.1	7.9	10.8	7.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.3	6.9	9.0	6.7	8.9	6.6	8.8	6.5	8.7	6.4	8.6	6.4	8.5	6.2	8.4	6.2	8.4	6.1	8.3	6.0	8.3	6.0	8.4	6.1	8.8	6.4	9.1	6.6	9.4	6.9	9.7	7.1	9.9	7.3	10.1	7.5	10.2	7.6	10.3	7.6	10.2	7.6	10.1	7.5	9.8	7.3	9.6	7.2
NE	10.4	7.5	10.1	7.3	10.0	7.2	9.9	7.1	9.8	7.0	9.8	6.9	9.6	6.8	9.6	6.7	9.5	6.7	9.5	6.6	9.4	6.6	9.6	6.7	10.2	7.0	10.8	7.5	11.1	7.7	11.2	7.8	11.1	7.9	11.3	8.1	11.4	8.1	11.4	8.2	11.3	8.1	11.2	8.1	11.0	7.9	10.7	7.7
E	11.6	8.1	11.3	7.9	11.2	7.8	11.1	7.7	11.0	7.6	11.0	7.5	10.8	7.4	10.8	7.3	10.7	7.3	10.7	7.2	10.6	7.2	10.8	7.3	11.5	7.7	12.2	8.2	12.7	8.5	12.9	8.7	12.8	8.8	12.6	8.7	12.6	8.7	12.6	8.8	12.5	8.7	12.4	8.7	12.2	8.5	11.9	8.3
SE	11.6	8.1	11.3	7.9	11.2	7.8	11.1	7.7	11.0	7.6	11.0	7.5	10.8	7.4	10.8	7.3	10.7	7.3	10.7	7.2	10.6	7.2	10.8	7.3	11.3	7.6	12.0	8.0	12.5	8.4	12.9	8.7	13.0	8.9	13.0	8.9	12.8	8.8	12.6	8.8	12.5	8.7	12.4	8.7	12.1	8.5	11.9	8.3
S	10.8	7.7	10.6	7.5	10.5	7.4	10.4	7.3	10.3	7.2	10.2	7.2	10.1	7.0	10.0	7.0	10.0	6.9	9.9	6.8	9.9	6.8	10.0	6.9	10.3	7.1	10.7	7.4	11.1	7.7	11.6	8.0	12.0	8.4	12.2	8.5	12.3	8.6	12.2	8.6	12.1	8.5	11.8	8.4	11.4	8.1	11.1	7.9
SW	11.4	8.0	11.1	7.8	11.0	7.6	10.9	7.5	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.5	7.1	10.4	7.1	10.4	7.1	10.5	7.1	10.8	7.4	11.2	7.6	11.5	7.9	11.8	8.1	12.0	8.4	12.4	8.6	12.8	8.8	13.0	9.0	13.0	9.0	12.9	8.9	12.4	8.6	11.9	8.3
W	11.5	8.0	11.1	7.8	11.0	7.6	10.9	7.5	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.4	7.1	10.4	7.1	10.5	7.1	10.8	7.4	11.2	7.6	11.5	7.9	11.8	8.1	12.0	8.4	12.2	8.5	12.5	8.7	12.8	8.9	13.0	9.0	13.0	9.0	12.6	8.7	12.1	8.4
NW	10.4	7.5	10.1	7.3	9.9	7.1	9.8	7.0	9.7	6.9	9.7	6.9	9.5	6.7	9.5	6.7	9.4	6.6	9.4	6.6	9.3	6.5	9.4	6.6	9.8	6.8	10.1	7.1	10.5	7.4	10.7	7.6	11.0	7.8	11.2	8.0	11.3	8.1	11.4	8.2	11.5	8.3	11.6	8.3	11.3	8.1	11.0	7.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.3	7.0	9.0	6.7	8.8	6.6	8.7	6.4	8.6	6.3	8.5	6.3	8.4	6.1	8.3	6.0	8.2	6.0	8.1	5.9	8.1	5.9	8.3	6.0	8.7	6.3	9.1	6.6	9.4	6.9	9.8	7.1	10.1	7.4	10.3	7.6	10.4	7.7	10.5	7.8	10.4	7.7	10.2	7.7	10.0	7.4	9.7	7.2
NE	10.4	7.5	10.1	7.3	9.9	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.4	6.6	9.3	6.5	9.3	6.5	9.2	6.4	9.5	6.6	10.1	7.0	10.9	7.5	11.3	7.8	11.3	7.9	11.3	8.0	11.4	8.2	11.5	8.3	11.6	8.3	11.5	8.3	11.3	8.2	11.1	8.0	10.7	7.7
E	11.5	8.1	11.3	7.9	11.1	7.7	11.0	7.6	10.9	7.5	10.8	7.4	10.7	7.3	10.6	7.2	10.5	7.1	10.4	7.0	10.4	7.0	10.6	7.1	11.4	7.6	12.4	8.2	12.9	8.6	13.1	8.8	13.1	8.9	12.8	8.9	12.7	8.9	12.8	8.9	12.7	8.9	12.5	8.8	12.2	8.6	11.9	8.3
SE	11.5	8.1	11.3	7.9	11.1	7.7	11.0	7.6	10.9	7.5	10.8	7.4	10.7	7.3	10.6	7.2	10.5	7.1	10.4	7.0	10.4	7.0	10.6	7.1	11.2	7.5	12.0	8.0	12.7	8.5	13.1	8.8	13.3	9.0	13.2	9.1	13.0	9.0	12.8	8.9	12.7	8.9	12.5	8.8	12.2	8.6	11.9	8.3
S	10.8	7.7	10.6	7.5	10.4	7.4	10.3	7.2	10.2	7.1	10.1	7.1	9.9	6.9	9.9	6.8	9.8	6.7	9.7	6.7	9.7	6.6	9.8	6.7	10.2	7.0	10.6	7.3	11.2	7.8	11.7	8.1	12.2	8.5	12.5	8.7	12.6	8.8	12.5	8.8	12.3	8.7	12.0	8.5	11.5	8.2	11.2	8.0
SW	11.4	8.0	11.0	7.8	10.9	7.6	10.7	7.5	10.6	7.4	10.6	7.3	10.4	7.1	10.3	7.1	10.3	7.0	10.2	6.9	10.2	6.9	10.3	7.0	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.5	12.7	8.8	13.0	9.0	13.3	9.2	13.3	9.2	13.1	9.1	12.5	8.7	12.0	8.4
W	11.5	8.1	11.0	7.8	10.9	7.6	10.7	7.5	10.6	7.4	10.6	7.3	10.4	7.1	10.3	7.1	10.3	7.0	10.2	6.9	10.2	6.9	10.3	7.0	10.7	7.2	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.5	12.4	8.6	12.7	8.9	13.1	9.1	13.3	9.2	13.3	9.2	12.8	8.9	12.2	8.5
NW	10.5	7.5	10.0	7.2	9.8	7.1	9.7	7.0	9.6	6.9	9.6	6.8	9.4	6.6	9.3	6.5	9.2	6.5	9.2	6.4	9.1	6.4	9.3	6.5	9.7	6.7	10.1	7.1	10.5	7.4	10.8	7.7	11.1	7.9	11.3	8.1	11.4	8.2	11.6	8.3	11.8	8.4	11.9	8.5	11.5	8.2	11.1	7.9
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	9.2	3.2	9.1	3.2	9.1	3.1	9.0	3.1	9.0	3.0	8.9	2.9	8.9	2.9	8.8	2.9	8.8	2.9	8.8	2.8	8.9	2.9	9.2	3.1	9.7	3.4	10.2	3.7	10.6	4.0	10.8	4.2	11.0	4.3	11.0	4.3	10.9	4.3	10.7	4.1	10.4	4.0	10.1	3.8	9.7	3.6	9.4	3.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: BARTIN (41.38)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	8.0	6.1	7.6	5.7	7.3	5.4	7.1	5.2	6.6	4.7	6.3	4.4	6.1	4.2	5.9	4.0	5.8	3.9	6.3	4.2	7.7	5.2	8.8	6.1	10.0	7.1	11.0	7.9	12.0	8.8	12.7	9.4	13.0	9.8	13.2	9.9	12.9	9.8	12.4	9.5	11.6	8.9	10.8	8.2	9.5	7.4	8.5	6.6
NE	8.9	6.6	8.5	6.2	8.2	5.9	8.0	5.7	7.5	5.2	7.2	4.9	7.0	4.7	6.8	4.5	6.7	4.4	7.4	4.8	9.6	6.1	12.0	7.7	13.1	8.7	13.3	9.1	13.2	9.4	13.6	9.9	14.0	10.2	14.1	10.4	13.8	10.3	13.4	10.0	12.5	9.3	11.4	8.5	10.3	7.8	9.4	7.1
E	9.9	7.1	9.5	6.7	9.2	6.4	9.0	6.2	8.5	5.6	8.2	5.4	8.0	5.1	7.8	5.0	7.7	4.8	8.4	5.3	10.8	6.7	13.8	8.6	15.5	9.9	16.2	10.5	16.1	10.9	15.3	10.8	15.0	10.7	15.1	10.9	14.8	10.8	14.3	10.5	13.4	9.8	12.4	9.0	11.2	8.2	10.4	7.6
SE	9.9	7.1	9.5	6.7	9.2	6.4	9.0	6.2	8.5	5.6	8.2	5.4	8.0	5.1	7.8	5.0	7.7	4.8	8.2	5.2	10.2	6.4	12.8	8.1	14.9	9.5	16.1	10.5	16.7	11.2	16.5	11.3	15.8	11.1	15.1	10.9	14.8	10.8	14.3	10.5	13.4	9.8	12.4	9.0	11.2	8.2	10.4	7.6
S	9.3	6.8	8.9	6.4	8.6	6.1	8.4	5.9	7.9	5.3	7.6	5.1	7.4	4.8	7.2	4.7	7.1	4.5	7.5	4.8	8.7	5.7	10.0	6.7	11.8	8.0	13.6	9.2	15.1	10.4	16.0	11.1	16.2	11.3	16.0	11.3	15.3	11.0	14.2	10.4	12.8	9.5	11.8	8.7	10.6	7.9	9.8	7.3
SW	9.7	7.0	9.3	6.6	9.0	6.3	8.8	6.1	8.3	5.5	8.0	5.3	7.8	5.0	7.6	4.9	7.5	4.7	7.9	5.0	9.1	5.9	10.4	6.9	11.7	8.0	12.7	8.8	13.7	9.7	15.3	10.7	16.5	11.5	17.2	12.0	17.3	12.0	16.8	11.7	14.9	10.6	13.1	9.4	11.3	8.3	10.2	7.5
W	9.7	7.0	9.3	6.6	9.0	6.2	8.8	6.1	8.3	5.5	8.0	5.3	7.8	5.0	7.6	4.9	7.5	4.7	7.9	5.0	9.1	5.9	10.4	6.9	11.7	8.0	12.7	8.8	13.7	9.7	14.4	10.3	15.4	10.9	16.7	11.7	17.4	12.0	17.4	12.0	15.7	11.0	13.8	9.8	11.7	8.4	10.2	7.5
NW	8.8	6.5	8.4	6.1	8.1	5.8	7.9	5.6	7.4	5.1	7.2	4.9	6.9	4.6	6.7	4.4	6.6	4.3	7.0	4.6	8.2	5.5	9.6	6.5	10.8	7.5	11.8	8.4	12.8	9.2	13.6	9.9	13.9	10.2	14.2	10.5	15.0	10.8	15.3	11.0	14.2	10.2	12.7	9.2	10.8	8.0	9.3	7.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.9	9.2	6.8	9.1	6.8	9.1	6.7	9.0	6.7	9.0	6.6	9.0	6.6	8.9	6.6	8.9	6.6	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.5	9.1	6.6	9.2	6.7	9.3	6.8	9.4	6.9	9.5	7.0	9.5	7.0	9.6	7.1	9.6	7.1	9.6	7.1	9.5	7.0	9.4	7.0
NE	10.5	7.5	10.4	7.4	10.3	7.4	10.3	7.3	10.2	7.3	10.2	7.2	10.2	7.2	10.1	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.3	7.3	10.6	7.4	10.7	7.5	10.7	7.5	10.7	7.6	10.7	7.6	10.8	7.7	10.8	7.7	10.7	7.7	10.7	7.6	10.6	7.6
E	11.7	8.1	11.6	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.4	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.3	7.7	11.3	7.7	11.3	7.7	11.4	7.8	11.6	7.9	11.9	8.1	12.1	8.2	12.1	8.3	12.1	8.3	12.0	8.3	12.0	8.3	12.0	8.3	12.0	8.3	11.9	8.3	11.9	8.2
SE	11.7	8.1	11.6	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.4	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.3	7.7	11.3	7.7	11.3	7.7	11.4	7.7	11.5	7.9	11.8	8.0	12.0	8.2	12.1	8.3	12.2	8.3	12.1	8.3	12.1	8.3	12.0	8.3	12.0	8.3	11.9	8.3	11.9	8.2
S	11.0	7.7	10.9	7.7	10.8	7.6	10.7	7.5	10.7	7.5	10.7	7.5	10.7	7.5	10.6	7.4	10.6	7.4	10.6	7.4	10.5	7.3	10.5	7.3	10.6	7.4	10.7	7.4	10.8	7.5	11.0	7.7	11.2	7.8	11.3	7.9	11.4	8.0	11.4	8.0	11.4	8.0	11.3	7.9	11.2	7.9	11.1	7.8
SW	11.6	8.0	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.6	11.1	7.6	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.1	11.8	8.2	11.9	8.2	12.0	8.3	12.0	8.3	11.9	8.3	11.8	8.1
W	11.6	8.1	11.4	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.6	11.1	7.6	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.1	11.7	8.1	11.8	8.2	11.9	8.2	12.0	8.3	12.0	8.3	11.8	8.2
NW	10.5	7.5	10.4	7.4	10.2	7.3	10.2	7.3	10.1	7.2	10.1	7.2	10.1	7.2	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.0	10.0	7.1	10.1	7.2	10.2	7.3	10.4	7.3	10.5	7.4	10.6	7.5	10.6	7.6	10.7	7.6	10.7	7.6	10.8	7.7	10.8	7.7	10.7	7.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.3	7.0	9.0	6.7	8.8	6.6	8.7	6.5	8.6	6.4	8.6	6.3	8.4	6.2	8.3	6.1	8.3	6.0	8.2	6.0	8.2	5.9	8.3	6.0	8.7	6.3	9.1	6.6	9.4	6.9	9.7	7.1	10.0	7.4	10.2	7.6	10.3	7.7	10.4	7.7	10.3	7.7	10.2	7.6	9.9	7.4	9.7	7.2
NE	10.4	7.5	10.1	7.3	10.0	7.1	9.8	7.0	9.8	6.9	9.7	6.9	9.5	6.7	9.5	6.6	9.4	6.6	9.3	6.5	9.3	6.5	9.5	6.6	10.2	7.0	10.9	7.5	11.2	7.8	11.3	7.9	11.2	8.0	11.4	8.1	11.5	8.2	11.5	8.3	11.4	8.2	11.3	8.2	11.0	8.0	10.7	7.7
E	11.6	8.1	11.3	7.9	11.2	7.7	11.0	7.6	10.9	7.5	10.9	7.5	10.7	7.3	10.7	7.2	10.6	7.2	10.5	7.1	10.5	7.1	10.7	7.2	11.4	7.6	12.3	8.2	12.8	8.6	13.0	8.8	13.0	8.9	12.8	8.8	12.7	8.8	12.7	8.9	12.6	8.8	12.5	8.7	12.2	8.5	11.9	8.3
SE	11.6	8.1	11.3	7.9	11.2	7.7	11.0	7.6	10.9	7.5	10.9	7.5	10.7	7.3	10.7	7.2	10.6	7.2	10.5	7.1	10.5	7.1	10.7	7.2	11.2	7.5	12.0	8.0	12.6	8.5	13.0	8.7	13.2	8.9	13.1	9.0	12.9	8.9	12.7	8.9	12.6	8.8	12.5	8.7	12.2	8.5	11.9	8.3
S	10.8	7.7	10.6	7.5	10.4	7.4	10.3	7.3	10.2	7.2	10.2	7.1	10.0	7.0	9.9	6.9	9.9	6.8	9.8	6.8	9.8	6.7	9.9	6.8	10.3	7.1	10.6	7.4	11.2	7.7	11.7	8.1	12.1	8.4	12.4	8.6	12.5	8.7	12.4	8.7	12.2	8.6	11.9	8.5	11.5	8.2	11.2	8.0
SW	11.4	8.0	11.1	7.8	10.9	7.6	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.4	7.0	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.4	12.6	8.7	12.9	9.0	13.1	9.1	13.2	9.1	13.0	9.0	12.5	8.7	11.9	8.3
W	11.5	8.1	11.1	7.8	10.9	7.6	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.3	7.0	10.3	7.0	10.2	7.0	10.4	7.0	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.2	12.1	8.4	12.3	8.6	12.6	8.8	13.0	9.0	13.2	9.1	13.2	9.1	12.7	8.8	12.1	8.4
NW	10.4	7.5	10.0	7.2	9.9	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.4	6.6	9.3	6.5	9.3	6.5	9.2	6.4	9.3	6.5	9.7	6.8	10.1	7.1	10.5	7.4	10.8	7.6	11.1	7.9	11.3	8.1	11.4	8.2	11.5	8.3	11.7	8.4	11.8	8.4	11.5	8.2	11.0	7.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.9	9.2	6.8	9.1	6.8	9.1	6.7	9.1	6.7	9.0	6.7	9.0	6.7	9.0	6.6	9.0	6.6	9.0	6.6	8.9	6.6	8.9	6.6	9.0	6.6	9.1	6.7	9.2	6.7	9.3	6.8	9.3	6.9	9.4	6.9	9.5	7.0	9.5	7.0	9.5	7.0	9.5	7.0	9.5	7.0	9.4	6.9
NE	10.5	7.5	10.4	7.4	10.3	7.4	10.3	7.3	10.3	7.3	10.2	7.3	10.2	7.2	10.2	7.2	10.2	7.2	10.1	7.2	10.1	7.2	10.1	7.1	10.2	7.2	10.3	7.3	10.5	7.4	10.6	7.5	10.6	7.5	10.6	7.5	10.7	7.6	10.7	7.6	10.7	7.6	10.7	7.6	10.6	7.6	10.6	7.5
E	11.7	8.1	11.7	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.5	7.9	11.5	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.6	7.9	11.8	8.1	12.0	8.2	12.0	8.2	12.0	8.2	12.0	8.2	11.9	8.2	11.9	8.2	11.9	8.2	11.9	8.2	11.8	8.2
SE	11.7	8.1	11.6	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.5	7.9	11.5	7.9	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.4	7.8	11.6	7.9	11.8	8.0	11.9	8.1	12.0	8.2	12.1	8.3	12.1	8.3	12.0	8.3	11.9	8.2	11.9	8.2	11.9	8.2	11.8	8.2
S	11.0	7.7	10.9	7.7	10.8	7.6	10.8	7.6	10.7	7.5	10.7	7.5	10.7	7.5	10.7	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.7	7.5	10.8	7.6	11.0	7.7	11.1	7.8	11.2	7.8	11.3	7.9	11.3	7.9	11.3	7.9	11.2	7.9	11.2	7.8	11.1	7.8
SW	11.6	8.0	11.4	7.9	11.3	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.7	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.0	11.7	8.1	11.8	8.2	11.9	8.2	11.9	8.2	11.8	8.2	11.7	8.1
W	11.6	8.0	11.4	7.9	11.3	7.9	11.3	7.8	11.3	7.8	11.2	7.8	11.2	7.7	11.2	7.7	11.2	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.7	11.2	7.7	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.0	11.7	8.1	11.7	8.1	11.8	8.2	11.9	8.2	11.9	8.2	11.8	8.1
NW	10.5	7.5	10.3	7.4	10.2	7.3	10.2	7.3	10.2	7.2	10.1	7.2	10.1	7.2	10.1	7.2	10.1	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.1	7.1	10.2	7.2	10.3	7.3	10.4	7.3	10.4	7.4	10.5	7.5	10.6	7.5	10.6	7.6	10.6	7.6	10.7	7.6	10.7	7.6	10.6	7.6
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.8	2.3	5.4	1.9	4.3	0.8	3.8	0.3	3.3	-0.2	2.9	-0.6	2.7	-0.9	4.0	-0.1	8.3	2.6	14.1	6.3	19.8	10.0	24.6	13.1	28.4	15.8	30.4	17.3	30.5	17.7	29.6	17.5	27.5	16.5	24.5	14.8	19.3	11.8	14.8	9.0	10.7	6.5	8.4	4.8	7.3	3.8	6.5	2.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: BATMAN (39.50)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	13.7	11.4	13.5	11.2	13.2	11.0	13.0	10.8	12.9	10.7	12.5	10.3	12.4	10.2	12.3	10.1	12.1	9.9	12.1	9.9	12.2	9.9	13.0	10.5	13.9	11.2	14.5	11.7	15.3	12.3	15.9	12.8	16.3	13.1	16.5	13.3	16.5	13.3	16.3	13.3	16.0	13.1	15.6	12.9	15.2	12.5	14.5	12.0
NE	13.9	11.5	13.7	11.4	13.4	11.1	13.3	10.9	13.2	10.8	12.8	10.4	12.7	10.3	12.5	10.2	12.4	10.0	12.3	10.0	12.5	10.1	13.3	10.7	14.4	11.4	15.2	12.0	15.9	12.6	16.3	13.0	16.5	13.3	16.7	13.4	16.7	13.5	16.6	13.4	16.3	13.3	15.8	13.0	15.2	12.6	14.4	12.0
E	14.2	11.7	14.0	11.5	13.7	11.3	13.6	11.1	13.5	11.0	13.1	10.6	13.0	10.5	12.8	10.3	12.7	10.2	12.6	10.2	12.8	10.3	13.7	10.8	14.8	11.6	15.7	12.3	16.5	12.9	17.0	13.3	17.1	13.6	17.0	13.6	17.0	13.6	16.9	13.6	16.6	13.4	16.2	13.2	15.5	12.7	14.7	12.1
SE	14.2	11.7	14.0	11.5	13.8	11.3	13.6	11.1	13.5	11.0	13.1	10.6	13.0	10.5	12.8	10.3	12.7	10.2	12.6	10.2	12.8	10.2	13.6	10.8	14.6	11.5	15.5	12.2	16.4	12.8	17.0	13.3	17.3	13.6	17.3	13.7	17.0	13.6	16.9	13.6	16.6	13.4	16.2	13.2	15.5	12.7	14.7	12.1
S	13.9	11.6	13.8	11.4	13.5	11.1	13.3	10.9	13.2	10.9	12.8	10.5	12.7	10.4	12.6	10.2	12.4	10.1	12.4	10.0	12.5	10.1	13.2	10.6	14.1	11.3	14.8	11.8	15.7	12.5	16.4	13.1	16.9	13.5	17.2	13.7	17.1	13.7	16.9	13.6	16.5	13.4	15.9	13.0	15.3	12.6	14.5	12.0
SW	14.6	11.9	14.4	11.7	14.2	11.5	14.0	11.3	13.9	11.2	13.5	10.8	13.4	10.7	13.2	10.5	13.1	10.4	13.1	10.4	13.1	10.4	13.9	10.9	14.8	11.6	15.5	12.2	16.3	12.8	16.9	13.3	17.3	13.6	17.7	13.9	17.9	14.1	18.0	14.1	17.8	14.0	17.5	13.8	16.7	13.3	15.7	12.6
W	15.0	12.1	14.7	11.9	14.5	11.6	14.3	11.4	14.2	11.4	13.8	10.9	13.7	10.9	13.5	10.7	13.4	10.6	13.4	10.5	13.4	10.6	14.2	11.1	15.1	11.8	15.8	12.3	16.6	12.9	17.2	13.4	17.6	13.8	17.8	14.0	18.1	14.2	18.2	14.3	18.3	14.3	18.1	14.1	17.6	13.8	16.5	13.0
NW	14.5	11.8	14.3	11.6	14.0	11.4	13.8	11.2	13.7	11.1	13.3	10.7	13.2	10.6	13.1	10.4	12.9	10.3	12.9	10.3	13.0	10.3	13.7	10.8	14.6	11.5	15.3	12.1	16.1	12.7	16.7	13.2	17.1	13.5	17.3	13.7	17.3	13.7	17.4	13.8	17.4	13.8	17.3	13.7	16.9	13.4	15.9	12.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	14.2	11.7	14.0	11.5	13.9	11.5	13.8	11.4	13.8	11.3	13.8	11.3	13.6	11.2	13.6	11.1	13.5	11.1	13.5	11.0	13.5	11.0	13.5	11.0	13.8	11.2	14.1	11.4	14.3	11.6	14.5	11.8	14.7	12.0	14.8	12.1	14.9	12.1	14.9	12.1	14.8	12.1	14.7	12.1	14.6	12.0	14.5	11.9
NE	14.4	11.8	14.2	11.6	14.2	11.6	14.1	11.5	14.0	11.5	14.0	11.4	13.9	11.3	13.9	11.3	13.8	11.2	13.8	11.2	13.8	11.2	13.8	11.2	14.1	11.4	14.4	11.6	14.7	11.8	14.9	12.0	15.0	12.1	15.1	12.2	15.2	12.3	15.2	12.3	15.1	12.3	15.0	12.2	14.9	12.1	14.7	12.0
E	14.8	12.0	14.6	11.8	14.5	11.8	14.4	11.7	14.4	11.6	14.4	11.6	14.2	11.5	14.2	11.4	14.1	11.4	14.1	11.3	14.1	11.3	14.2	11.4	14.4	11.5	14.8	11.8	15.1	12.0	15.3	12.2	15.5	12.3	15.5	12.4	15.5	12.4	15.5	12.4	15.4	12.4	15.4	12.4	15.2	12.3	15.0	12.1
SE	14.8	12.0	14.6	11.8	14.5	11.8	14.4	11.7	14.4	11.6	14.4	11.6	14.2	11.5	14.2	11.4	14.1	11.4	14.1	11.3	14.1	11.3	14.1	11.3	14.4	11.5	14.7	11.8	15.0	12.0	15.3	12.2	15.5	12.3	15.6	12.4	15.6	12.5	15.5	12.4	15.4	12.4	15.4	12.4	15.2	12.3	15.0	12.2
S	14.5	11.8	14.3	11.7	14.3	11.6	14.2	11.5	14.1	11.5	14.1	11.5	14.0	11.3	13.9	11.3	13.9	11.2	13.8	11.2	13.8	11.2	13.8	11.2	14.1	11.4	14.4	11.6	14.6	11.8	14.9	12.0	15.1	12.2	15.3	12.3	15.4	12.4	15.3	12.4	15.3	12.3	15.1	12.3	14.9	12.2	14.7	12.0
SW	15.4	12.3	15.1	12.1	15.0	12.0	14.9	11.9	14.9	11.9	14.8	11.8	14.7	11.7	14.7	11.7	14.6	11.6	14.6	11.6	14.6	11.6	14.6	11.6	14.8	11.7	15.1	12.0	15.3	12.1	15.6	12.3	15.8	12.5	15.9	12.6	16.1	12.7	16.1	12.8	16.1	12.8	16.1	12.7	16.0	12.7	15.7	12.5
W	15.9	12.5	15.4	12.2	15.3	12.2	15.2	12.1	15.2	12.0	15.2	12.0	15.0	11.9	15.0	11.8	14.9	11.8	14.9	11.7	14.9	11.7	14.9	11.7	15.1	11.9	15.4	12.1	15.7	12.3	15.9	12.5	16.1	12.7	16.2	12.8	16.3	12.8	16.4	12.9	16.5	12.9	16.5	12.9	16.4	12.9	16.3	12.8
NW	15.3	12.2	14.9	12.0	14.8	11.9	14.7	11.8	14.7	11.8	14.6	11.7	14.5	11.6	14.5	11.6	14.4	11.5	14.4	11.5	14.4	11.5	14.4	11.5	14.6	11.6	14.9	11.9	15.1	12.0	15.4	12.2	15.6	12.4	15.7	12.5	15.8	12.6	15.8	12.6	15.8	12.6	15.8	12.6	15.8	12.6	15.6	12.5
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	14.3	11.7	13.9	11.5	13.8	11.4	13.7	11.3	13.6	11.2	13.6	11.2	13.4	11.0	13.4	11.0	13.3	10.9	13.3	10.9	13.2	10.8	13.3	10.9	13.6	11.1	14.0	11.4	14.3	11.6	14.6	11.9	14.9	12.1	15.1	12.2	15.2	12.3	15.1	12.3	15.1	12.3	15.0	12.3	14.8	12.1	14.6	12.0
NE	14.4	11.8	14.2	11.6	14.1	11.6	14.0	11.4	13.9	11.4	13.9	11.3	13.7	11.1	13.7	11.1	13.6	11.0	13.5	11.0	13.5	11.0	13.6	11.0	14.0	11.3	14.4	11.6	14.8	11.8	15.1	12.1	15.3	12.3	15.3	12.4	15.4	12.5	15.4	12.5	15.4	12.5	15.2	12.4	15.0	12.3	14.8	12.1
E	14.7	12.0	14.5	11.8	14.4	11.7	14.3	11.6	14.2	11.5	14.2	11.5	14.0	11.3	14.0	11.3	13.9	11.2	13.9	11.2	13.8	11.1	13.9	11.2	14.3	11.4	14.8	11.8	15.2	12.0	15.5	12.3	15.7	12.5	15.8	12.6	15.8	12.6	15.7	12.6	15.7	12.6	15.6	12.6	15.4	12.4	15.1	12.2
SE	14.8	12.0	14.5	11.8	14.4	11.7	14.3	11.6	14.3	11.5	14.2	11.5	14.0	11.3	14.0	11.3	13.9	11.2	13.9	11.2	13.8	11.1	13.9	11.2	14.2	11.4	14.7	11.7	15.1	12.0	15.5	12.3	15.7	12.5	15.9	12.6	15.9	12.7	15.8	12.6	15.7	12.6	15.6	12.6	15.4	12.4	15.1	12.2
S	14.5	11.8	14.3	11.7	14.2	11.6	14.1	11.5	14.0	11.4	13.9	11.4	13.8	11.2	13.7	11.1	13.7	11.1	13.6	11.0	13.6	11.0	13.6	11.0	13.9	11.2	14.3	11.5	14.6	11.8	15.0	12.1	15.3	12.3	15.6	12.5	15.7	12.6	15.6	12.6	15.5	12.6	15.4	12.5	15.1	12.3	14.8	12.1
SW	15.4	12.3	15.0	12.0	14.9	12.0	14.8	11.8	14.7	11.8	14.7	11.7	14.5	11.5	14.5	11.5	14.4	11.4	14.3	11.4	14.3	11.4	14.3	11.4	14.7	11.6	15.1	11.9	15.4	12.1	15.7	12.4	16.0	12.6	16.1	12.8	16.3	12.9	16.4	13.0	16.4	13.0	16.4	13.0	16.2	12.9	15.9	12.7
W	16.0	12.6	15.4	12.2	15.2	12.1	15.1	12.0	15.0	11.9	15.0	11.9	14.8	11.7	14.8	11.7	14.7	11.6	14.7	11.5	14.6	11.5	14.7	11.5	15.0	11.8	15.4	12.1	15.7	12.3	16.0	12.6	16.3	12.8	16.5	12.9	16.6	13.0	16.7	13.1	16.8	13.2	16.8	13.2	16.7	13.1	16.5	12.9
NW	15.4	12.3	14.8	11.9	14.7	11.9	14.6	11.7	14.5	11.7	14.5	11.6	14.3	11.5	14.3	11.4	14.2	11.3	14.1	11.3	14.1	11.3	14.1	11.3	14.5	11.5	14.9	11.8	15.2	12.0	15.5	12.3	15.8	12.5	15.9	12.7	16.0	12.8	16.0	12.8	16.1	12.8	16.1	12.8	16.0	12.8	15.8	12.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	14.3	11.8	13.9	11.5	13.8	11.4	13.6	11.3	13.5	11.2	13.5	11.1	13.3	10.9	13.2	10.9	13.2	10.8	13.1	10.7	13.1	10.7	13.1	10.7	13.5	11.0	14.0	11.4	14.3	11.6	14.7	11.9	15.0	12.2	15.3	12.4	15.4	12.5	15.3	12.5	15.3	12.5	15.1	12.4	14.9	12.3	14.7	12.1
NE	14.4	11.8	14.1	11.6	14.0	11.5	13.9	11.4	13.8	11.3	13.8	11.3	13.6	11.0	13.5	11.0	13.4	10.9	13.4	10.8	13.3	10.8	13.4	10.9	13.9	11.2	14.4	11.6	14.8	11.9	15.2	12.2	15.4	12.4	15.5	12.5	15.6	12.6	15.6	12.6	15.5	12.6	15.4	12.5	15.2	12.4	14.8	12.1
E	14.7	12.0	14.5	11.8	14.4	11.7	14.2	11.6	14.1	11.5	14.1	11.4	13.9	11.2	13.8	11.2	13.8	11.1	13.7	11.0	13.7	11.0	13.8	11.0	14.2	11.3	14.8	11.7	15.3	12.1	15.7	12.4	15.9	12.6	16.0	12.8	16.0	12.8	15.9	12.8	15.9	12.8	15.7	12.7	15.5	12.6	15.2	12.3
SE	14.7	12.0	14.5	11.8	14.4	11.7	14.2	11.6	14.1	11.5	14.1	11.4	13.9	11.2	13.8	11.2	13.8	11.1	13.7	11.0	13.7	11.0	13.7	11.0	14.1	11.3	14.7	11.7	15.2	12.0	15.6	12.4	15.9	12.6	16.1	12.8	16.1	12.8	16.0	12.8	15.9	12.8	15.7	12.7	15.5	12.6	15.2	12.3
S	14.5	11.9	14.2	11.6	14.1	11.6	14.0	11.4	13.9	11.3	13.8	11.3	13.6	11.1	13.6	11.0	13.5	10.9	13.4	10.9	13.4	10.8	13.4	10.9	13.8	11.1	14.3	11.5	14.7	11.8	15.1	12.1	15.5	12.4	15.8	12.6	15.9	12.7	15.9	12.8	15.8	12.7	15.5	12.6	15.2	12.4	14.9	12.2
SW	15.5	12.4	14.9	12.0	14.8	11.9	14.7	11.8	14.6	11.7	14.6	11.6	14.3	11.4	14.3	11.4	14.2	11.3	14.1	11.2	14.1	11.2	14.2	11.2	14.5	11.5	15.0	11.9	15.4	12.1	15.8	12.5	16.1	12.7	16.3	12.9	16.5	13.1	16.7	13.1	16.7	13.2	16.6	13.1	16.4	13.0	16.0	12.8
W	16.1	12.7	15.3	12.2	15.2	12.1	15.0	11.9	14.9	11.8	14.9	11.8	14.7	11.6	14.6	11.5	14.5	11.5	14.5	11.4	14.4	11.4	14.5	11.4	14.9	11.7	15.3	12.0	15.7	12.3	16.1	12.6	16.4	12.9	16.6	13.1	16.7	13.2	16.9	13.3	17.0	13.3	17.0	13.3	16.9	13.3	16.6	13.1
NW	15.5	12.4	14.8	11.9	14.6	11.8	14.5	11.7	14.4	11.6	14.4	11.6	14.2	11.3	14.1	11.3	14.0	11.2	14.0	11.1	13.9	11.1	14.0	11.1	14.3	11.4	14.8	11.8	15.2	12.0	15.6	12.4	15.9	12.6	16.1	12.8	16.2	12.9	16.2	12.9	16.3	13.0	16.3	13.0	16.2	12.9	16.0	12.7
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	15.4	10.3	15.4	10.2	15.3	10.2	15.2	10.1	15.2	10.1	15.1	10.0	15.1	9.9	15.0	9.9	15.0	9.9	15.0	9.8	15.0	9.9	15.3	10.1	15.7	10.3	16.1	10.5	16.4	10.8	16.7	11.0	16.9	11.1	16.9	11.2	16.9	11.2	16.8	11.1	16.7	11.1	16.4	10.9	16.1	10.7	15.7	10.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: BATMAN (39.50)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	13.0	11.0	12.6	10.6	12.3	10.3	12.2	10.2	11.5	9.5	11.3	9.3	11.1	9.1	10.9	8.9	10.8	8.8	11.0	8.9	12.2	9.8	13.7	10.9	14.8	11.7	16.0	12.7	17.0	13.6	17.7	14.1	18.0	14.5	18.0	14.5	17.7	14.4	17.2	14.2	16.5	13.7	15.8	13.2	14.7	12.3	13.4	11.3
NE	13.2	11.1	12.8	10.7	12.5	10.4	12.4	10.3	11.7	9.6	11.5	9.5	11.3	9.2	11.1	9.0	11.0	8.9	11.3	9.1	12.7	10.0	14.4	11.2	15.7	12.2	16.9	13.2	17.6	13.8	17.9	14.3	18.2	14.6	18.2	14.6	17.9	14.5	17.4	14.3	16.8	13.9	15.7	13.1	14.4	12.1	13.5	11.4
E	13.5	11.3	13.1	10.9	12.8	10.5	12.7	10.4	12.0	9.7	11.8	9.6	11.6	9.3	11.3	9.1	11.3	9.0	11.6	9.2	13.0	10.2	14.8	11.4	16.3	12.5	17.6	13.5	18.4	14.2	18.7	14.6	18.5	14.7	18.4	14.7	18.2	14.7	17.7	14.4	17.0	14.0	16.0	13.2	14.7	12.2	13.8	11.5
SE	13.5	11.3	13.1	10.9	12.8	10.6	12.7	10.4	12.0	9.7	11.8	9.6	11.6	9.3	11.4	9.1	11.3	9.0	11.5	9.2	12.8	10.1	14.5	11.3	16.0	12.4	17.5	13.5	18.4	14.3	18.9	14.8	18.9	14.9	18.5	14.8	18.2	14.7	17.7	14.4	17.0	14.0	16.0	13.2	14.7	12.3	13.8	11.5
S	13.3	11.2	12.9	10.8	12.6	10.4	12.4	10.3	11.8	9.6	11.6	9.5	11.3	9.2	11.1	9.0	11.0	8.9	11.2	9.0	12.4	9.9	13.9	11.0	15.1	11.9	16.5	13.0	17.7	13.9	18.5	14.6	18.9	14.9	18.8	14.9	18.5	14.8	17.8	14.4	16.8	13.9	15.8	13.1	14.4	12.1	13.6	11.4
SW	13.9	11.5	13.5	11.0	13.2	10.7	13.0	10.6	12.3	9.9	12.2	9.8	11.9	9.5	11.7	9.3	11.6	9.2	11.8	9.3	12.9	10.2	14.5	11.3	15.7	12.2	16.9	13.2	17.9	14.0	18.6	14.6	19.3	15.1	19.6	15.3	19.7	15.4	19.4	15.3	18.9	14.9	17.7	14.1	15.9	12.9	14.2	11.8
W	14.2	11.6	13.7	11.2	13.4	10.9	13.3	10.8	12.6	10.1	12.5	9.9	12.2	9.6	12.0	9.4	11.9	9.4	12.0	9.4	13.2	10.3	14.7	11.4	15.9	12.3	17.2	13.3	18.1	14.1	18.8	14.7	19.1	15.0	19.6	15.3	19.9	15.5	20.0	15.5	19.7	15.3	18.9	14.7	17.1	13.5	14.6	11.9
NW	13.7	11.4	13.3	11.0	13.0	10.7	12.9	10.5	12.2	9.8	12.0	9.7	11.8	9.4	11.6	9.2	11.5	9.1	11.6	9.2	12.8	10.1	14.3	11.2	15.5	12.1	16.7	13.1	17.7	13.9	18.4	14.5	18.7	14.8	18.7	14.9	18.8	15.0	18.9	15.0	18.7	14.8	18.0	14.3	16.5	13.2	14.2	11.7
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	14.3	11.7	14.2	11.6	14.1	11.5	14.0	11.5	14.0	11.5	14.0	11.4	13.9	11.4	13.9	11.4	13.9	11.4	13.8	11.3	13.8	11.3	13.8	11.3	13.8	11.3	14.0	11.4	14.1	11.5	14.2	11.6	14.3	11.7	14.4	11.8	14.5	11.8	14.5	11.8	14.5	11.8	14.5	11.8	14.4	11.8	14.4	11.8
NE	14.5	11.8	14.4	11.7	14.3	11.7	14.3	11.7	14.3	11.6	14.2	11.6	14.2	11.6	14.2	11.5	14.1	11.5	14.1	11.5	14.1	11.4	14.1	11.4	14.1	11.5	14.3	11.5	14.4	11.7	14.5	11.8	14.7	11.8	14.7	11.9	14.8	11.9	14.8	12.0	14.8	12.0	14.8	12.0	14.7	11.9	14.6	11.9
E	14.9	12.0	14.8	11.9	14.7	11.9	14.7	11.8	14.6	11.8	14.6	11.8	14.6	11.7	14.5	11.7	14.5	11.7	14.5	11.6	14.4	11.6	14.4	11.6	14.5	11.6	14.6	11.7	14.8	11.8	14.9	11.9	15.0	12.0	15.1	12.1	15.1	12.1	15.1	12.2	15.1	12.2	15.1	12.1	15.1	12.1	15.0	12.1
SE	14.9	12.0	14.8	11.9	14.7	11.9	14.7	11.8	14.6	11.8	14.6	11.8	14.6	11.7	14.5	11.7	14.5	11.7	14.5	11.6	14.5	11.6	14.4	11.6	14.5	11.6	14.6	11.7	14.8	11.8	14.9	11.9	15.0	12.0	15.1	12.1	15.2	12.2	15.2	12.2	15.1	12.2	15.1	12.1	15.1	12.1	15.0	12.1
S	14.6	11.9	14.5	11.8	14.4	11.7	14.4	11.7	14.3	11.6	14.3	11.6	14.3	11.6	14.2	11.5	14.2	11.5	14.2	11.5	14.2	11.5	14.2	11.5	14.2	11.5	14.3	11.6	14.4	11.7	14.5	11.8	14.7	11.9	14.8	11.9	14.9	12.0	14.9	12.0	14.9	12.0	14.9	12.0	14.8	12.0	14.7	11.9
SW	15.5	12.3	15.3	12.2	15.2	12.1	15.1	12.1	15.1	12.0	15.1	12.0	15.1	12.0	15.0	11.9	15.0	11.9	14.9	11.9	14.9	11.9	14.9	11.9	14.9	11.9	15.0	11.9	15.2	12.0	15.3	12.1	15.4	12.2	15.5	12.3	15.6	12.4	15.7	12.4	15.7	12.4	15.7	12.4	15.7	12.4	15.6	12.4
W	15.9	12.5	15.8	12.4	15.5	12.3	15.5	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.3	12.1	15.3	12.1	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.4	12.1	15.5	12.2	15.6	12.3	15.8	12.4	15.9	12.5	15.9	12.5	16.0	12.6	16.0	12.6	16.0	12.6	16.0	12.6	16.0	12.6
NW	15.3	12.2	15.2	12.1	15.0	12.0	14.9	12.0	14.9	11.9	14.9	11.9	14.9	11.9	14.8	11.8	14.8	11.8	14.7	11.8	14.7	11.8	14.7	11.8	14.7	11.8	14.8	11.8	15.0	11.9	15.1	12.0	15.2	12.1	15.3	12.2	15.4	12.3	15.4	12.3	15.4	12.3	15.4	12.3	15.4	12.3	15.4	12.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	14.3	11.8	13.9	11.5	13.8	11.4	13.7	11.3	13.6	11.2	13.6	11.2	13.4	11.0	13.3	10.9	13.2	10.8	13.2	10.8	13.1	10.7	13.2	10.8	13.6	11.0	14.0	11.4	14.3	11.6	14.7	11.9	15.0	12.2	15.2	12.3	15.3	12.4	15.3	12.4	15.2	12.4	15.1	12.3	14.8	12.2	14.6	12.0
NE	14.4	11.8	14.2	11.6	14.1	11.5	13.9	11.4	13.9	11.3	13.8	11.3	13.6	11.1	13.6	11.0	13.5	11.0	13.4	10.9	13.4	10.9	13.5	10.9	13.9	11.2	14.4	11.6	14.8	11.9	15.1	12.1	15.4	12.3	15.4	12.5	15.5	12.6	15.5	12.6	15.5	12.5	15.3	12.5	15.1	12.3	14.8	12.1
E	14.7	12.0	14.5	11.8	14.4	11.7	14.3	11.6	14.2	11.5	14.1	11.5	13.9	11.3	13.9	11.2	13.8	11.1	13.8	11.1	13.7	11.0	13.8	11.1	14.2	11.4	14.8	11.8	15.2	12.1	15.6	12.4	15.8	12.6	15.9	12.7	15.9	12.7	15.9	12.7	15.8	12.7	15.6	12.6	15.4	12.5	15.1	12.3
SE	14.7	12.0	14.5	11.8	14.4	11.7	14.3	11.6	14.2	11.5	14.2	11.5	14.0	11.3	13.9	11.2	13.8	11.1	13.8	11.1	13.7	11.0	13.8	11.1	14.2	11.3	14.7	11.7	15.1	12.0	15.6	12.3	15.9	12.6	16.0	12.7	16.0	12.8	15.9	12.7	15.8	12.7	15.7	12.6	15.4	12.5	15.1	12.3
S	14.5	11.9	14.2	11.6	14.1	11.6	14.0	11.4	13.9	11.4	13.9	11.3	13.7	11.1	13.6	11.1	13.6	11.0	13.5	10.9	13.5	10.9	13.5	10.9	13.9	11.2	14.3	11.5	14.7	11.8	15.1	12.1	15.4	12.4	15.7	12.6	15.8	12.7	15.8	12.7	15.7	12.6	15.5	12.5	15.2	12.4	14.9	12.2
SW	15.5	12.3	15.0	12.0	14.9	11.9	14.7	11.8	14.6	11.7	14.6	11.7	14.4	11.5	14.4	11.4	14.3	11.4	14.2	11.3	14.2	11.3	14.2	11.3	14.6	11.5	15.0	11.9	15.4	12.1	15.7	12.4	16.0	12.7	16.2	12.9	16.5	13.0	16.6	13.1	16.6	13.1	16.5	13.1	16.3	12.9	16.0	12.7
W	16.0	12.6	15.3	12.2	15.2	12.1	15.1	12.0	15.0	11.9	14.9	11.8	14.7	11.6	14.7	11.6	14.6	11.5	14.5	11.5	14.5	11.4	14.6	11.5	14.9	11.7	15.4	12.0	15.7	12.3	16.1	12.6	16.4	12.8	16.6	13.0	16.7	13.1	16.8	13.2	16.9	13.3	16.9	13.3	16.8	13.2	16.6	13.0
NW	15.5	12.4	14.8	11.9	14.7	11.8	14.5	11.7	14.5	11.6	14.4	11.6	14.2	11.4	14.2	11.3	14.1	11.3	14.0	11.2	14.0	11.2	14.0	11.2	14.4	11.5	14.8	11.8	15.2	12.0	15.6	12.3	15.8	12.6	16.0	12.8	16.1	12.9	16.1	12.9	16.2	12.9	16.2	12.9	16.1	12.9	15.9	12.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	14.3	11.7	14.2	11.6	14.1	11.5	14.0	11.5	14.0	11.5	14.0	11.5	14.0	11.5	13.9	11.4	13.9	11.4	13.9	11.4	13.9	11.4	13.9	11.3	13.9	11.4	14.0	11.4	14.1	11.5	14.2	11.6	14.3	11.7	14.4	11.7	14.4	11.8	14.4	11.8	14.4	11.8	14.4	11.8	14.4	11.8	14.3	11.7
NE	14.5	11.8	14.4	11.7	14.4	11.7	14.3	11.7	14.3	11.6	14.3	11.6	14.3	11.6	14.2	11.5	14.2	11.5	14.2	11.5	14.2	11.5	14.2	11.5	14.2	11.5	14.3	11.6	14.4	11.7	14.5	11.7	14.6	11.8	14.7	11.9	14.7	11.9	14.7	11.9	14.7	11.9	14.7	11.9	14.7	11.9	14.6	11.9
E	14.9	12.0	14.8	11.9	14.7	11.9	14.7	11.8	14.6	11.8	14.6	11.8	14.6	11.8	14.6	11.7	14.5	11.7	14.5	11.7	14.5	11.7	14.5	11.7	14.5	11.7	14.6	11.7	14.8	11.8	14.9	11.9	15.0	12.0	15.1	12.1	15.1	12.1	15.1	12.1	15.1	12.1	15.0	12.1	15.0	12.1	15.0	12.0
SE	14.9	12.0	14.8	11.9	14.7	11.9	14.7	11.8	14.6	11.8	14.6	11.8	14.6	11.8	14.6	11.7	14.5	11.7	14.5	11.7	14.5	11.7	14.5	11.7	14.5	11.7	14.6	11.7	14.8	11.8	14.9	11.9	15.0	12.0	15.1	12.1	15.1	12.1	15.1	12.1	15.1	12.1	15.0	12.1	15.0	12.1	15.0	12.0
S	14.6	11.8	14.5	11.8	14.4	11.7	14.4	11.7	14.4	11.7	14.3	11.6	14.3	11.6	14.3	11.6	14.3	11.6	14.2	11.5	14.2	11.5	14.2	11.5	14.2	11.5	14.3	11.6	14.4	11.7	14.5	11.8	14.6	11.8	14.7	11.9	14.8	12.0	14.8	12.0	14.8	12.0	14.8	12.0	14.8	12.0	14.7	11.9
SW	15.5	12.3	15.3	12.2	15.2	12.1	15.2	12.1	15.1	12.0	15.1	12.0	15.1	12.0	15.0	12.0	15.0	11.9	15.0	11.9	15.0	11.9	15.0	11.9	15.0	11.9	15.1	12.0	15.2	12.1	15.3	12.1	15.4	12.2	15.5	12.3	15.5	12.3	15.6	12.4	15.6	12.4	15.6	12.4	15.6	12.4	15.5	12.3
W	15.9	12.5	15.7	12.4	15.5	12.3	15.5	12.2	15.5	12.2	15.4	12.2	15.4	12.2	15.4	12.1	15.4	12.1	15.3	12.1	15.3	12.1	15.3	12.1	15.3	12.1	15.4	12.1	15.5	12.2	15.6	12.3	15.7	12.4	15.8	12.4	15.9	12.5	15.9	12.5	15.9	12.5	16.0	12.6	16.0	12.6	15.9	12.5
NW	15.3	12.2	15.2	12.1	15.0	12.0	15.0	12.0	14.9	11.9	14.9	11.9	14.9	11.9	14.8	11.9	14.8	11.8	14.8	11.8	14.8	11.8	14.8	11.8	14.8	11.8	14.9	11.9	15.0	12.0	15.1	12.0	15.2	12.1	15.3	12.2	15.3	12.2	15.3	12.2	15.3	12.2	15.4	12.3	15.4	12.3	15.3	12.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	9.3	6.5	9.0	6.2	7.6	4.8	7.3	4.5	6.7	3.9	6.3	3.5	6.1	3.3	6.5	3.6	10.0	5.9	14.7	9.0	18.8	11.6	22.8	14.5	26.0	16.7	28.2	18.3	29.0	19.1	28.9	19.1	27.7	18.6	25.7	17.6	23.0	16.1	19.1	13.7	14.4	10.6	11.5	8.6	10.8	8.0	9.9	7.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BİLECİK (40.09)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.7	5.5	7.5	5.3	7.4	5.2	7.3	5.1	7.2	5.0	6.6	4.5	6.6	4.4	6.5	4.3	6.4	4.2	6.4	4.2	6.7	4.4	7.5	5.0	8.0	5.4	8.7	5.9	9.2	6.3	9.8	6.8	10.2	7.2	10.5	7.4	10.5	7.5	10.5	7.5	10.0	7.2	9.5	6.8	9.1	6.5	8.5	6.0
NE	8.5	5.9	8.3	5.7	8.2	5.6	8.1	5.5	8.0	5.4	7.4	4.9	7.4	4.8	7.3	4.7	7.2	4.6	7.2	4.6	7.7	4.9	9.0	5.7	10.1	6.4	10.6	6.9	10.7	7.1	10.7	7.3	11.0	7.6	11.3	7.8	11.4	7.9	11.3	7.9	10.8	7.6	10.3	7.3	9.6	6.8	8.9	6.2
E	9.5	6.4	9.3	6.2	9.2	6.1	9.1	6.0	9.0	5.9	8.4	5.4	8.4	5.3	8.3	5.2	8.2	5.1	8.2	5.1	8.7	5.4	10.1	6.3	11.6	7.1	12.4	7.8	12.7	8.0	12.7	8.3	12.4	8.2	12.3	8.3	12.3	8.4	12.3	8.4	11.8	8.1	11.3	7.7	10.6	7.3	9.9	6.7
SE	9.5	6.4	9.3	6.2	9.2	6.1	9.1	6.0	9.0	5.9	8.4	5.4	8.4	5.3	8.3	5.2	8.2	5.1	8.2	5.1	8.5	5.3	9.7	6.1	11.0	6.9	12.1	7.6	12.7	8.0	13.1	8.5	13.0	8.6	12.8	8.6	12.3	8.4	12.3	8.4	11.8	8.1	11.3	7.7	10.6	7.3	9.9	6.7
S	8.9	6.1	8.7	6.0	8.6	5.8	8.5	5.7	8.4	5.7	7.9	5.1	7.8	5.0	7.7	4.9	7.6	4.9	7.6	4.8	7.9	5.0	8.6	5.5	9.2	6.0	10.3	6.7	11.2	7.3	12.0	7.9	12.5	8.3	12.8	8.6	12.6	8.5	12.3	8.5	11.6	8.0	10.7	7.5	10.1	7.0	9.3	6.4
SW	9.5	6.4	9.3	6.3	9.2	6.1	9.1	6.0	9.0	6.0	8.5	5.4	8.4	5.3	8.3	5.2	8.2	5.2	8.2	5.1	8.5	5.3	9.2	5.8	9.8	6.3	10.5	6.8	11.1	7.2	11.6	7.7	12.5	8.3	13.3	8.8	13.6	9.0	13.7	9.2	13.3	8.9	12.4	8.3	11.6	7.8	10.5	7.0
W	9.7	6.5	9.5	6.3	9.4	6.2	9.3	6.1	9.2	6.0	8.6	5.5	8.6	5.4	8.5	5.3	8.4	5.2	8.4	5.2	8.6	5.3	9.4	5.9	10.0	6.4	10.7	6.9	11.2	7.3	11.8	7.8	12.2	8.2	12.8	8.6	13.4	9.0	13.8	9.2	13.8	9.1	13.0	8.6	12.4	8.2	11.2	7.4
NW	8.8	6.1	8.6	5.9	8.4	5.7	8.4	5.7	8.3	5.6	7.7	5.0	7.6	4.9	7.5	4.8	7.5	4.8	7.5	4.7	7.7	4.9	8.5	5.5	9.1	5.9	9.7	6.4	10.3	6.9	10.9	7.4	11.3	7.7	11.6	8.0	11.7	8.1	12.1	8.4	12.1	8.3	11.7	7.9	11.3	7.6	10.2	6.9
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.3	5.8	8.1	5.7	8.0	5.6	8.0	5.6	7.9	5.5	7.9	5.5	7.7	5.3	7.7	5.3	7.7	5.3	7.6	5.3	7.6	5.2	7.7	5.3	8.0	5.5	8.2	5.6	8.4	5.8	8.6	5.9	8.7	6.1	8.9	6.2	9.0	6.3	9.0	6.3	9.0	6.3	8.8	6.2	8.6	6.1	8.5	6.0
NE	9.1	6.2	9.0	6.1	8.9	6.1	8.9	6.0	8.9	6.0	8.8	6.0	8.6	5.8	8.6	5.8	8.6	5.7	8.6	5.7	8.6	5.7	8.7	5.8	9.1	6.1	9.5	6.3	9.7	6.4	9.7	6.5	9.7	6.6	9.8	6.7	9.9	6.7	9.9	6.8	9.9	6.8	9.7	6.7	9.6	6.6	9.3	6.4
E	10.2	6.8	10.1	6.7	10.0	6.6	10.0	6.6	9.9	6.5	9.9	6.5	9.7	6.3	9.7	6.3	9.7	6.3	9.7	6.3	9.7	6.2	9.8	6.3	10.3	6.6	10.7	6.9	11.0	7.1	11.1	7.2	11.1	7.3	11.0	7.3	11.0	7.3	11.0	7.3	11.0	7.3	10.8	7.2	10.7	7.1	10.4	6.9
SE	10.2	6.8	10.1	6.7	10.0	6.6	10.0	6.6	9.9	6.5	9.9	6.5	9.7	6.3	9.7	6.3	9.7	6.3	9.7	6.3	9.7	6.2	9.8	6.3	10.2	6.6	10.6	6.8	10.9	7.0	11.1	7.2	11.2	7.3	11.2	7.4	11.1	7.4	11.0	7.3	11.0	7.3	10.8	7.2	10.7	7.1	10.4	6.9
S	9.6	6.5	9.5	6.4	9.4	6.3	9.4	6.3	9.3	6.2	9.3	6.2	9.1	6.0	9.1	6.0	9.1	6.0	9.0	6.0	9.0	5.9	9.1	6.0	9.4	6.2	9.6	6.3	9.9	6.5	10.2	6.7	10.5	6.9	10.6	7.1	10.7	7.1	10.6	7.1	10.5	7.1	10.3	7.0	10.0	6.8	9.8	6.6
SW	10.4	6.9	10.1	6.7	10.1	6.6	10.0	6.6	10.0	6.6	10.0	6.5	9.8	6.4	9.8	6.3	9.7	6.3	9.7	6.3	9.7	6.3	9.8	6.3	10.0	6.5	10.2	6.6	10.4	6.8	10.6	7.0	10.8	7.1	11.1	7.3	11.3	7.5	11.4	7.5	11.5	7.6	11.3	7.5	11.1	7.3	10.8	7.1
W	10.8	7.1	10.3	6.8	10.2	6.7	10.2	6.7	10.2	6.6	10.1	6.6	9.9	6.4	9.9	6.4	9.9	6.4	9.9	6.4	9.9	6.4	9.9	6.4	10.2	6.6	10.4	6.7	10.6	6.9	10.8	7.0	11.0	7.2	11.1	7.3	11.3	7.4	11.5	7.6	11.6	7.6	11.6	7.6	11.4	7.5	11.2	7.3
NW	9.8	6.5	9.3	6.3	9.2	6.2	9.2	6.2	9.1	6.1	9.1	6.1	8.9	5.9	8.9	5.9	8.9	5.9	8.9	5.9	8.9	5.8	8.9	5.9	9.2	6.1	9.4	6.2	9.6	6.4	9.8	6.5	10.0	6.7	10.1	6.8	10.2	6.9	10.2	6.9	10.4	7.0	10.4	7.0	10.2	6.9	10.1	6.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.3	5.9	8.0	5.6	7.9	5.6	7.9	5.5	7.8	5.5	7.8	5.4	7.5	5.2	7.5	5.2	7.5	5.1	7.4	5.1	7.4	5.1	7.6	5.1	7.9	5.4	8.1	5.6	8.4	5.8	8.7	6.0	8.9	6.2	9.1	6.4	9.2	6.5	9.2	6.5	9.2	6.5	9.0	6.4	8.8	6.2	8.6	6.1
NE	9.1	6.2	8.9	6.1	8.8	6.0	8.8	6.0	8.7	5.9	8.7	5.9	8.4	5.6	8.4	5.6	8.4	5.6	8.3	5.5	8.3	5.5	8.5	5.6	9.1	6.0	9.6	6.3	9.8	6.5	9.9	6.6	9.9	6.7	10.0	6.8	10.1	6.9	10.1	7.0	10.1	7.0	9.9	6.8	9.7	6.7	9.4	6.5
E	10.2	6.8	10.0	6.6	9.9	6.5	9.8	6.5	9.8	6.5	9.8	6.4	9.5	6.2	9.5	6.1	9.4	6.1	9.4	6.1	9.4	6.1	9.6	6.2	10.3	6.6	10.9	6.9	11.3	7.2	11.4	7.3	11.4	7.4	11.2	7.4	11.2	7.5	11.2	7.5	11.2	7.5	11.0	7.4	10.8	7.2	10.5	7.0
SE	10.2	6.8	10.0	6.6	9.9	6.5	9.8	6.5	9.8	6.5	9.8	6.4	9.5	6.2	9.5	6.1	9.4	6.1	9.4	6.1	9.4	6.1	9.6	6.1	10.1	6.5	10.7	6.8	11.1	7.1	11.4	7.3	11.5	7.5	11.5	7.6	11.4	7.6	11.2	7.5	11.2	7.5	11.0	7.4	10.8	7.2	10.5	7.0
S	9.5	6.5	9.4	6.3	9.3	6.2	9.2	6.2	9.2	6.2	9.2	6.1	8.9	5.9	8.9	5.8	8.8	5.8	8.8	5.8	8.8	5.8	8.9	5.8	9.2	6.1	9.5	6.3	9.9	6.6	10.3	6.8	10.7	7.1	10.9	7.3	11.0	7.4	11.0	7.4	10.8	7.3	10.5	7.1	10.2	6.9	9.9	6.7
SW	10.4	6.9	10.0	6.6	9.9	6.6	9.9	6.5	9.8	6.5	9.8	6.4	9.6	6.2	9.5	6.2	9.5	6.1	9.5	6.1	9.4	6.1	9.5	6.1	9.9	6.4	10.2	6.6	10.4	6.8	10.7	7.0	10.9	7.2	11.3	7.5	11.7	7.7	11.8	7.8	11.8	7.8	11.7	7.7	11.3	7.5	10.9	7.2
W	10.9	7.1	10.2	6.7	10.1	6.7	10.0	6.6	10.0	6.6	10.0	6.5	9.7	6.3	9.7	6.2	9.6	6.2	9.6	6.2	9.6	6.2	9.7	6.2	10.0	6.5	10.3	6.7	10.6	6.9	10.9	7.1	11.1	7.3	11.3	7.4	11.6	7.6	11.8	7.8	12.0	7.9	12.0	7.9	11.7	7.6	11.4	7.5
NW	9.8	6.6	9.2	6.2	9.1	6.2	9.1	6.1	9.0	6.1	9.0	6.0	8.7	5.8	8.7	5.7	8.7	5.7	8.6	5.7	8.6	5.7	8.7	5.7	9.1	6.0	9.3	6.2	9.6	6.4	9.9	6.6	10.1	6.8	10.3	7.0	10.4	7.1	10.5	7.1	10.7	7.2	10.7	7.2	10.5	7.1	10.3	6.9
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.4	5.9	8.0	5.6	7.9	5.5	7.8	5.5	7.7	5.4	7.7	5.4	7.4	5.1	7.4	5.0	7.3	5.0	7.3	5.0	7.3	4.9	7.4	5.0	7.9	5.3	8.1	5.5	8.5	5.8	8.8	6.0	9.0	6.3	9.3	6.5	9.4	6.6	9.4	6.7	9.4	6.7	9.2	6.5	8.9	6.3	8.7	6.1
NE	9.1	6.2	8.8	6.1	8.7	6.0	8.7	5.9	8.6	5.9	8.6	5.8	8.3	5.5	8.3	5.5	8.2	5.4	8.2	5.4	8.2	5.4	8.4	5.5	9.1	6.0	9.7	6.3	9.9	6.6	10.0	6.7	10.0	6.8	10.1	6.9	10.3	7.1	10.3	7.1	10.3	7.1	10.1	6.9	9.8	6.8	9.4	6.5
E	10.1	6.8	9.9	6.6	9.8	6.5	9.7	6.4	9.7	6.4	9.6	6.3	9.3	6.0	9.3	6.0	9.3	6.0	9.2	5.9	9.2	5.9	9.5	6.1	10.2	6.5	11.0	7.0	11.4	7.3	11.6	7.4	11.6	7.6	11.4	7.5	11.4	7.6	11.4	7.6	11.4	7.6	11.1	7.5	10.8	7.3	10.5	7.0
SE	10.1	6.8	9.9	6.6	9.8	6.5	9.7	6.4	9.7	6.4	9.6	6.3	9.3	6.0	9.3	6.0	9.3	6.0	9.2	5.9	9.2	5.9	9.4	6.0	10.0	6.4	10.7	6.8	11.3	7.2	11.6	7.4	11.8	7.7	11.8	7.7	11.6	7.7	11.4	7.6	11.4	7.6	11.1	7.5	10.8	7.3	10.5	7.0
S	9.5	6.5	9.3	6.3	9.2	6.2	9.1	6.1	9.1	6.1	9.0	6.0	8.7	5.7	8.7	5.7	8.7	5.7	8.6	5.6	8.6	5.6	8.7	5.7	9.1	6.0	9.5	6.2	10.0	6.6	10.5	6.9	10.9	7.2	11.2	7.4	11.3	7.6	11.2	7.6	11.1	7.5	10.7	7.3	10.2	7.0	9.9	6.7
SW	10.4	6.9	9.9	6.6	9.8	6.5	9.8	6.5	9.7	6.4	9.7	6.4	9.4	6.1	9.4	6.0	9.3	6.0	9.3	5.9	9.3	5.9	9.4	6.0	9.8	6.3	10.1	6.5	10.5	6.8	10.8	7.0	11.0	7.3	11.5	7.6	11.9	7.9	12.1	8.0	12.1	8.0	11.9	7.9	11.5	7.6	11.0	7.3
W	10.9	7.1	10.1	6.7	10.0	6.6	9.9	6.5	9.9	6.5	9.8	6.4	9.6	6.1	9.5	6.1	9.5	6.1	9.4	6.0	9.4	6.0	9.5	6.1	9.9	6.4	10.3	6.6	10.6	6.9	10.9	7.1	11.2	7.4	11.4	7.6	11.7	7.8	12.1	8.0	12.3	8.1	12.3	8.1	11.9	7.8	11.5	7.6
NW	9.9	6.6	9.1	6.2	9.0	6.1	9.0	6.0	8.9	6.0	8.9	6.0	8.6	5.7	8.5	5.6	8.5	5.6	8.5	5.5	8.4	5.5	8.6	5.6	9.0	5.9	9.3	6.1	9.6	6.4	9.9	6.6	10.2	6.9	10.4	7.1	10.6	7.2	10.7	7.3	10.9	7.4	10.9	7.4	10.7	7.2	10.4	7.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.8	5.6	11.7	5.5	11.7	5.5	11.7	5.5	11.6	5.4	11.5	5.3	11.5	5.2	11.4	5.2	11.4	5.2	11.4	5.2	11.5	5.3	11.9	5.5	12.3	5.7	12.7	6.0	13.1	6.2	13.4	6.4	13.5	6.6	13.6	6.6	13.5	6.6	13.4	6.5	13.1	6.4	12.7	6.2	12.4	5.9	12.0	5.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BİLECİK (40.09)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.0	5.1	6.8	4.8	6.6	4.7	6.5	4.6	5.6	3.6	5.5	3.5	5.3	3.4	5.2	3.3	5.1	3.2	5.7	3.5	7.1	4.5	7.9	5.1	8.9	6.0	9.9	6.7	10.8	7.5	11.4	8.1	11.9	8.5	12.0	8.7	11.9	8.7	11.1	8.1	10.3	7.6	9.6	7.0	8.6	6.2	7.3	5.4
NE	7.7	5.4	7.5	5.2	7.4	5.1	7.2	4.9	6.3	4.0	6.2	3.9	6.0	3.7	5.9	3.6	5.9	3.6	6.7	4.0	8.8	5.4	10.6	6.5	11.5	7.3	11.7	7.6	11.7	7.9	12.2	8.4	12.6	8.9	12.7	9.0	12.6	9.1	11.9	8.5	11.0	7.9	9.9	7.1	8.7	6.2	8.1	5.7
E	8.6	5.9	8.4	5.7	8.3	5.5	8.1	5.4	7.2	4.4	7.1	4.3	6.9	4.2	6.8	4.1	6.8	4.0	7.6	4.5	10.0	6.0	12.3	7.4	13.8	8.4	14.1	8.8	14.2	9.2	13.7	9.2	13.5	9.3	13.6	9.5	13.5	9.5	12.7	9.0	11.9	8.4	10.8	7.6	9.6	6.7	9.0	6.2
SE	8.6	5.9	8.4	5.7	8.3	5.5	8.1	5.4	7.2	4.4	7.1	4.3	6.9	4.2	6.8	4.1	6.8	4.0	7.3	4.4	9.3	5.6	11.5	6.9	13.2	8.1	14.1	8.8	14.8	9.5	14.8	9.7	14.3	9.7	13.6	9.5	13.5	9.5	12.7	9.0	11.9	8.4	10.8	7.6	9.6	6.7	8.9	6.2
S	8.1	5.6	7.9	5.4	7.8	5.3	7.6	5.1	6.7	4.2	6.6	4.1	6.4	3.9	6.3	3.8	6.3	3.8	6.7	4.0	7.9	4.9	8.9	5.7	10.6	6.8	12.1	7.8	13.5	8.9	14.4	9.5	14.7	9.9	14.4	9.9	14.0	9.7	12.8	9.0	11.4	8.1	10.3	7.3	9.1	6.4	8.5	5.9
SW	8.7	5.9	8.4	5.7	8.3	5.5	8.2	5.4	7.2	4.5	7.1	4.4	7.0	4.2	6.9	4.1	6.8	4.0	7.2	4.3	8.4	5.2	9.5	5.9	10.6	6.8	11.5	7.5	12.4	8.3	13.9	9.3	15.2	10.1	15.6	10.5	15.8	10.7	15.2	10.2	13.7	9.3	12.4	8.4	10.5	7.1	9.0	6.2
W	8.8	6.0	8.6	5.7	8.4	5.6	8.3	5.5	7.4	4.5	7.3	4.4	7.1	4.3	7.0	4.2	6.9	4.1	7.3	4.4	8.6	5.3	9.6	6.0	10.7	6.9	11.6	7.6	12.6	8.4	13.2	9.0	14.3	9.7	15.3	10.3	16.0	10.7	15.9	10.5	14.6	9.7	13.6	9.0	11.6	7.7	9.1	6.3
NW	8.0	5.6	7.8	5.3	7.6	5.2	7.5	5.1	6.5	4.1	6.4	4.0	6.3	3.9	6.2	3.8	6.1	3.7	6.5	3.9	7.8	4.9	8.8	5.6	9.9	6.4	10.8	7.2	11.8	8.0	12.4	8.6	12.9	9.0	13.1	9.2	13.8	9.6	13.8	9.5	13.1	9.0	12.4	8.4	10.7	7.2	8.3	5.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.4	5.9	8.3	5.8	8.2	5.7	8.1	5.7	8.1	5.7	8.1	5.6	8.1	5.6	8.0	5.5	8.0	5.5	8.0	5.5	8.0	5.5	7.9	5.5	8.0	5.5	8.1	5.6	8.2	5.7	8.3	5.8	8.4	5.8	8.5	5.9	8.5	6.0	8.6	6.0	8.6	6.0	8.6	6.0	8.5	6.0	8.4	5.9
NE	9.3	6.3	9.2	6.2	9.1	6.2	9.1	6.1	9.0	6.1	9.0	6.1	9.0	6.1	8.9	6.0	8.9	6.0	8.9	6.0	8.9	6.0	8.9	6.0	9.0	6.0	9.2	6.1	9.3	6.2	9.4	6.3	9.4	6.4	9.4	6.4	9.5	6.4	9.5	6.5	9.5	6.5	9.5	6.5	9.5	6.4	9.4	6.4
E	10.4	6.9	10.3	6.8	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.1	6.7	10.1	6.6	10.0	6.6	10.0	6.5	10.0	6.5	10.0	6.5	10.1	6.6	10.3	6.7	10.5	6.8	10.7	6.9	10.7	7.0	10.7	7.0	10.7	7.0	10.7	7.0	10.7	7.0	10.7	7.0	10.6	7.0	10.5	6.9
SE	10.4	6.9	10.3	6.8	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.1	6.7	10.1	6.6	10.0	6.6	10.0	6.5	10.0	6.5	10.0	6.5	10.1	6.6	10.3	6.7	10.5	6.8	10.6	6.9	10.7	7.0	10.8	7.1	10.8	7.1	10.7	7.1	10.7	7.0	10.7	7.0	10.6	7.0	10.5	6.9
S	9.8	6.5	9.6	6.5	9.6	6.4	9.6	6.4	9.5	6.4	9.5	6.4	9.5	6.3	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.5	6.3	9.6	6.4	9.8	6.5	9.9	6.6	10.1	6.7	10.2	6.8	10.2	6.8	10.2	6.8	10.1	6.8	10.0	6.7	9.9	6.6
SW	10.6	7.0	10.4	6.8	10.3	6.8	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.5	10.1	6.6	10.2	6.7	10.3	6.7	10.4	6.8	10.5	6.9	10.6	7.0	10.7	7.1	10.9	7.1	10.9	7.2	10.9	7.2	10.9	7.1	10.7	7.0
W	10.9	7.1	10.7	7.0	10.4	6.8	10.4	6.8	10.4	6.8	10.4	6.8	10.4	6.8	10.3	6.7	10.3	6.7	10.2	6.6	10.2	6.6	10.2	6.6	10.3	6.7	10.4	6.7	10.5	6.8	10.6	6.9	10.7	7.0	10.8	7.0	10.8	7.1	10.9	7.2	11.0	7.2	11.1	7.3	11.1	7.2	11.0	7.2
NW	9.8	6.6	9.6	6.5	9.4	6.3	9.4	6.3	9.3	6.3	9.3	6.3	9.3	6.2	9.2	6.2	9.2	6.1	9.2	6.1	9.2	6.1	9.2	6.1	9.2	6.1	9.4	6.2	9.4	6.3	9.6	6.4	9.6	6.5	9.7	6.5	9.8	6.6	9.8	6.6	9.9	6.6	9.9	6.7	9.9	6.7	9.9	6.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	8.4	5.9	8.0	5.6	7.9	5.5	7.8	5.5	7.8	5.4	7.7	5.4	7.5	5.1	7.4	5.1	7.4	5.0	7.3	5.0	7.3	5.0	7.5	5.1	7.9	5.4	8.1	5.6	8.4	5.8	8.7	6.0	9.0	6.3	9.2	6.4	9.3	6.6	9.3	6.6	9.3	6.6	9.1	6.4	8.9	6.3	8.7	6.1
NE	9.1	6.2	8.9	6.1	8.8	6.0	8.7	5.9	8.7	5.9	8.6	5.8	8.3	5.6	8.3	5.5	8.3	5.5	8.2	5.5	8.2	5.4	8.5	5.6	9.1	6.0	9.6	6.3	9.9	6.5	9.9	6.6	9.9	6.7	10.1	6.9	10.2	7.0	10.3	7.0	10.2	7.1	10.0	6.9	9.7	6.7	9.4	6.5
E	10.1	6.8	9.9	6.6	9.8	6.5	9.8	6.5	9.7	6.4	9.7	6.4	9.4	6.1	9.4	6.1	9.3	6.0	9.3	6.0	9.3	6.0	9.5	6.1	10.2	6.5	10.9	7.0	11.4	7.3	11.5	7.4	11.5	7.5	11.3	7.5	11.3	7.5	11.3	7.6	11.3	7.6	11.1	7.4	10.8	7.3	10.5	7.0
SE	10.1	6.8	9.9	6.6	9.8	6.5	9.8	6.5	9.7	6.4	9.7	6.4	9.4	6.1	9.4	6.1	9.3	6.0	9.3	6.0	9.3	6.0	9.5	6.1	10.1	6.4	10.7	6.8	11.2	7.2	11.5	7.4	11.7	7.6	11.7	7.7	11.5	7.7	11.3	7.6	11.3	7.6	11.1	7.4	10.8	7.3	10.5	7.0
S	9.5	6.5	9.3	6.3	9.2	6.2	9.2	6.2	9.1	6.1	9.1	6.1	8.8	5.8	8.8	5.8	8.7	5.7	8.7	5.7	8.7	5.7	8.8	5.7	9.2	6.0	9.5	6.2	10.0	6.6	10.4	6.9	10.8	7.2	11.1	7.4	11.2	7.5	11.1	7.5	11.0	7.4	10.6	7.2	10.2	7.0	9.9	6.7
SW	10.4	6.9	10.0	6.6	9.9	6.5	9.8	6.5	9.8	6.4	9.7	6.4	9.5	6.1	9.4	6.1	9.4	6.0	9.3	6.0	9.3	6.0	9.5	6.1	9.8	6.3	10.1	6.6	10.5	6.8	10.7	7.0	11.0	7.3	11.4	7.6	11.8	7.8	11.9	7.9	12.0	8.0	11.8	7.8	11.4	7.5	11.0	7.3
W	10.9	7.1	10.1	6.7	10.1	6.6	10.0	6.6	9.9	6.5	9.9	6.5	9.6	6.2	9.6	6.2	9.5	6.1	9.5	6.1	9.5	6.1	9.6	6.1	10.0	6.4	10.3	6.6	10.6	6.9	10.9	7.1	11.2	7.3	11.4	7.5	11.7	7.7	12.0	7.9	12.2	8.0	12.1	8.0	11.8	7.7	11.5	7.5
NW	9.9	6.6	9.2	6.2	9.1	6.1	9.0	6.1	9.0	6.0	8.9	6.0	8.6	5.7	8.6	5.7	8.6	5.6	8.5	5.6	8.5	5.6	8.6	5.7	9.0	5.9	9.3	6.1	9.6	6.4	9.9	6.6	10.2	6.9	10.4	7.0	10.5	7.1	10.6	7.2	10.8	7.3	10.8	7.3	10.6	7.1	10.4	7.0
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.4	5.8	8.3	5.8	8.2	5.7	8.1	5.7	8.1	5.7	8.1	5.7	8.1	5.6	8.0	5.6	8.0	5.6	8.0	5.6	8.0	5.5	8.0	5.5	8.0	5.6	8.2	5.6	8.2	5.7	8.3	5.8	8.4	5.8	8.4	5.9	8.5	5.9	8.5	6.0	8.5	6.0	8.5	6.0	8.5	5.9	8.4	5.9
NE	9.3	6.3	9.2	6.2	9.1	6.2	9.1	6.2	9.1	6.1	9.1	6.1	9.1	6.1	9.0	6.0	9.0	6.0	9.0	6.0	9.0	6.0	8.9	6.0	9.0	6.0	9.2	6.2	9.3	6.2	9.4	6.3	9.4	6.3	9.4	6.4	9.4	6.4	9.5	6.4	9.5	6.4	9.5	6.4	9.4	6.4	9.3	6.4
E	10.4	6.9	10.3	6.8	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.3	6.7	10.5	6.8	10.6	6.9	10.7	6.9	10.7	7.0	10.6	7.0	10.6	7.0	10.6	7.0	10.6	7.0	10.5	7.0	10.5	6.9
SE	10.4	6.9	10.3	6.8	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.3	6.7	10.4	6.8	10.6	6.9	10.7	7.0	10.7	7.0	10.7	7.0	10.7	7.0	10.6	7.0	10.6	7.0	10.5	7.0	10.5	6.9
S	9.8	6.5	9.7	6.5	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.5	6.4	9.5	6.3	9.5	6.3	9.4	6.3	9.4	6.3	9.4	6.3	9.5	6.3	9.6	6.3	9.6	6.4	9.8	6.5	9.9	6.6	10.0	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.0	6.7	9.9	6.7	9.8	6.6
SW	10.6	6.9	10.4	6.8	10.3	6.8	10.3	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.1	6.6	10.2	6.6	10.2	6.7	10.3	6.7	10.4	6.8	10.5	6.9	10.6	6.9	10.7	7.0	10.8	7.1	10.8	7.1	10.8	7.1	10.8	7.1	10.7	7.0
W	10.8	7.1	10.7	7.0	10.5	6.8	10.4	6.8	10.4	6.8	10.4	6.8	10.4	6.8	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.4	6.8	10.5	6.8	10.6	6.9	10.7	7.0	10.7	7.0	10.8	7.1	10.9	7.1	10.9	7.2	11.0	7.2	11.0	7.2	10.9	7.1
NW	9.7	6.5	9.6	6.4	9.4	6.3	9.4	6.3	9.4	6.3	9.4	6.3	9.4	6.3	9.3	6.2	9.3	6.2	9.3	6.2	9.3	6.2	9.3	6.2	9.3	6.2	9.4	6.3	9.5	6.3	9.5	6.4	9.6	6.4	9.7	6.5	9.7	6.5	9.8	6.6	9.8	6.6	9.9	6.6	9.9	6.6	9.8	6.6
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.1	1.8	4.8	1.5	2.9	-0.5	2.7	-0.7	2.3	-1.1	2.1	-1.3	2.0	-1.4	3.4	-0.6	7.7	2.2	12.5	5.1	17.5	8.2	21.5	10.7	25.1	13.3	27.1	14.8	27.6	15.4	26.4	15.1	24.9	14.5	21.8	12.6	17.3	10.0	13.3	7.4	8.8	4.6	6.6	3.2	5.9	2.5	5.4	2.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BİNGÖL (38.53)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.6	6.7	8.3	6.5	8.2	6.4	8.1	6.2	7.9	6.1	7.8	6.0	7.7	5.9	7.6	5.8	7.5	5.7	7.5	5.7	7.6	5.7	8.3	6.2	9.1	6.8	9.9	7.5	10.4	7.9	10.7	8.1	11.0	8.5	11.0	8.5	11.1	8.6	11.0	8.6	10.8	8.4	10.3	8.0	9.6	7.5	9.0	7.1
NE	9.7	7.3	9.5	7.1	9.4	7.0	9.2	6.8	9.1	6.7	9.0	6.6	8.9	6.5	8.8	6.4	8.7	6.3	8.6	6.2	8.9	6.4	9.6	6.9	11.9	8.2	12.7	8.9	12.5	9.0	12.0	8.8	12.2	9.0	12.2	9.0	12.3	9.2	12.2	9.2	12.0	9.0	11.4	8.6	10.7	8.1	10.1	7.6
E	11.0	8.0	10.8	7.8	10.7	7.6	10.5	7.5	10.4	7.4	10.3	7.2	10.2	7.1	10.1	7.0	10.0	6.9	9.9	6.9	10.2	7.0	11.0	7.5	13.8	9.2	15.2	10.2	15.0	10.2	14.7	10.1	14.1	10.0	13.5	9.7	13.6	9.9	13.5	9.8	13.3	9.6	12.7	9.2	12.0	8.7	11.4	8.3
SE	11.0	8.0	10.8	7.7	10.6	7.6	10.5	7.5	10.4	7.3	10.2	7.2	10.1	7.1	10.0	7.0	9.9	6.9	9.9	6.9	10.1	7.0	10.8	7.4	13.1	8.8	14.7	9.9	15.0	10.2	15.1	10.4	15.0	10.4	14.2	10.1	13.5	9.8	13.4	9.8	13.3	9.6	12.7	9.2	12.0	8.7	11.4	8.2
S	10.8	7.9	10.6	7.7	10.5	7.5	10.3	7.4	10.2	7.3	10.1	7.1	10.0	7.0	9.9	6.9	9.8	6.8	9.7	6.8	9.9	6.9	10.5	7.3	11.3	7.9	12.6	8.8	13.6	9.5	14.3	9.9	14.9	10.4	15.0	10.5	15.0	10.6	14.4	10.3	13.4	9.7	12.5	9.1	11.8	8.6	11.2	8.2
SW	11.1	8.0	10.9	7.8	10.7	7.7	10.6	7.5	10.5	7.4	10.4	7.3	10.3	7.2	10.2	7.1	10.1	7.0	10.0	6.9	10.1	7.0	10.8	7.4	11.6	8.0	12.4	8.7	13.0	9.2	13.2	9.4	14.3	10.1	15.2	10.6	16.1	11.1	16.3	11.2	15.1	10.6	13.3	9.5	12.2	8.8	11.6	8.4
W	10.7	7.8	10.5	7.6	10.4	7.5	10.2	7.3	10.1	7.2	10.0	7.1	9.9	7.0	9.8	6.9	9.7	6.8	9.6	6.7	9.8	6.8	10.4	7.2	11.2	7.9	12.0	8.6	12.6	9.0	12.8	9.2	13.2	9.5	13.8	9.8	15.1	10.6	16.0	11.1	15.1	10.6	13.2	9.4	11.9	8.7	11.3	8.2
NW	9.4	7.2	9.2	7.0	9.1	6.8	8.9	6.7	8.8	6.6	8.7	6.4	8.6	6.3	8.5	6.2	8.4	6.1	8.3	6.1	8.5	6.2	9.1	6.6	9.9	7.2	10.7	7.9	11.3	8.4	11.5	8.6	11.9	8.9	11.9	8.9	12.2	9.2	13.1	9.6	13.0	9.5	11.7	8.7	10.6	8.0	10.0	7.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.9	6.9	8.8	6.8	8.8	6.8	8.7	6.7	8.7	6.7	8.7	6.7	8.6	6.6	8.6	6.6	8.6	6.6	8.6	6.6	8.9	6.7	9.1	6.9	9.4	7.2	9.6	7.3	9.6	7.4	9.7	7.5	9.7	7.5	9.8	7.5	9.7	7.5	9.7	7.5	9.5	7.3	9.3	7.2
NE	10.4	7.7	10.2	7.6	10.2	7.5	10.1	7.5	10.1	7.4	10.0	7.4	10.0	7.3	10.0	7.3	9.9	7.3	9.9	7.2	9.9	7.2	10.0	7.3	10.2	7.4	10.9	7.8	11.2	8.1	11.1	8.1	11.0	8.0	11.0	8.1	11.0	8.1	11.1	8.2	11.0	8.2	11.0	8.1	10.8	8.0	10.5	7.8
E	11.8	8.4	11.7	8.3	11.6	8.2	11.6	8.2	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.3	8.0	11.3	7.9	11.4	8.0	11.7	8.2	12.6	8.7	13.0	9.0	13.0	9.0	12.9	9.0	12.7	8.9	12.5	8.8	12.5	8.9	12.5	8.9	12.4	8.8	12.2	8.7	12.0	8.5
SE	11.8	8.4	11.7	8.3	11.6	8.2	11.6	8.2	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.3	8.0	11.3	7.9	11.4	8.0	11.6	8.1	12.3	8.6	12.9	8.9	12.9	9.0	13.0	9.1	13.0	9.1	12.7	9.0	12.5	8.9	12.5	8.9	12.4	8.8	12.2	8.7	12.0	8.5
S	11.6	8.3	11.5	8.2	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.1	7.9	11.3	8.0	11.6	8.2	12.0	8.5	12.3	8.7	12.6	8.8	12.8	9.0	12.8	9.0	12.8	9.0	12.6	9.0	12.3	8.8	12.0	8.6	11.8	8.4
SW	11.9	8.4	11.8	8.3	11.7	8.3	11.7	8.2	11.6	8.2	11.6	8.1	11.5	8.1	11.5	8.1	11.5	8.0	11.4	8.0	11.4	8.0	11.5	8.0	11.7	8.1	11.9	8.3	12.2	8.6	12.4	8.7	12.4	8.8	12.8	9.0	13.1	9.2	13.4	9.3	13.4	9.4	13.1	9.2	12.5	8.8	12.1	8.6
W	11.5	8.3	11.3	8.1	11.3	8.1	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.1	7.9	11.0	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.2	7.9	11.5	8.1	11.8	8.4	11.9	8.5	12.0	8.6	12.1	8.7	12.3	8.8	12.8	9.0	13.0	9.2	12.8	9.0	12.1	8.6	11.7	8.4
NW	10.1	7.5	9.9	7.4	9.8	7.3	9.8	7.3	9.7	7.2	9.7	7.2	9.7	7.2	9.6	7.1	9.6	7.1	9.6	7.1	9.6	7.1	9.6	7.1	9.8	7.2	10.1	7.4	10.3	7.6	10.5	7.8	10.6	7.9	10.7	8.0	10.7	8.0	10.8	8.0	11.1	8.2	11.0	8.1	10.6	7.9	10.3	7.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.8	6.8	8.7	6.7	8.7	6.7	8.6	6.6	8.6	6.6	8.5	6.5	8.5	6.5	8.4	6.4	8.4	6.4	8.5	6.5	8.8	6.7	9.1	6.9	9.4	7.2	9.7	7.4	9.8	7.5	10.0	7.6	9.9	7.6	10.0	7.7	9.9	7.7	9.9	7.6	9.6	7.4	9.3	7.2
NE	10.3	7.7	10.2	7.5	10.1	7.4	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.8	7.2	9.7	7.1	9.7	7.1	9.7	7.1	9.8	7.1	10.1	7.3	11.1	7.9	11.5	8.2	11.4	8.2	11.1	8.2	11.2	8.3	11.2	8.3	11.3	8.4	11.2	8.3	11.1	8.3	10.9	8.1	10.6	7.9
E	11.7	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.4	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.2	7.8	11.1	7.8	11.1	7.8	11.2	7.8	11.6	8.0	12.8	8.8	13.4	9.2	13.3	9.2	13.2	9.2	12.9	9.1	12.6	9.0	12.7	9.1	12.6	9.0	12.6	9.0	12.3	8.8	12.0	8.6
SE	11.7	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.1	7.8	11.2	7.8	11.5	8.0	12.5	8.6	13.2	9.1	13.3	9.2	13.4	9.3	13.3	9.3	13.0	9.2	12.7	9.1	12.6	9.0	12.5	9.0	12.3	8.8	12.0	8.6
S	11.5	8.3	11.3	8.1	11.3	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	10.9	7.7	10.9	7.7	11.2	7.9	11.6	8.1	12.1	8.6	12.5	8.8	12.8	9.0	13.1	9.2	13.2	9.3	13.2	9.3	12.9	9.2	12.5	8.9	12.1	8.7	11.8	8.5
SW	11.9	8.4	11.7	8.3	11.6	8.2	11.5	8.1	11.4	8.1	11.4	8.0	11.3	8.0	11.3	7.9	11.2	7.9	11.2	7.8	11.2	7.8	11.2	7.8	11.5	8.0	11.9	8.3	12.2	8.6	12.5	8.8	12.6	8.9	13.0	9.2	13.4	9.4	13.8	9.6	13.9	9.7	13.4	9.4	12.6	8.9	12.1	8.6
W	11.5	8.3	11.2	8.1	11.1	8.0	11.1	7.9	11.0	7.9	11.0	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.6	10.8	7.6	10.8	7.6	11.1	7.8	11.4	8.1	11.8	8.4	12.1	8.6	12.2	8.7	12.3	8.8	12.6	9.0	13.2	9.3	13.5	9.5	13.2	9.3	12.3	8.8	11.8	8.4
NW	10.1	7.5	9.8	7.4	9.7	7.3	9.7	7.2	9.6	7.2	9.6	7.1	9.5	7.0	9.5	7.0	9.4	7.0	9.4	6.9	9.3	6.9	9.4	6.9	9.7	7.1	10.0	7.4	10.4	7.7	10.6	7.9	10.7	8.0	10.9	8.1	10.9	8.1	11.0	8.2	11.4	8.4	11.4	8.4	10.8	8.0	10.3	7.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.1	7.0	8.8	6.9	8.7	6.8	8.6	6.7	8.6	6.6	8.5	6.6	8.4	6.5	8.4	6.4	8.3	6.4	8.3	6.3	8.3	6.3	8.4	6.4	8.7	6.6	9.1	6.9	9.5	7.3	9.8	7.5	9.9	7.6	10.1	7.8	10.1	7.8	10.2	7.9	10.1	7.8	10.0	7.7	9.7	7.5	9.4	7.3
NE	10.3	7.6	10.1	7.5	10.0	7.4	9.9	7.3	9.8	7.2	9.8	7.2	9.7	7.1	9.6	7.1	9.6	7.0	9.5	7.0	9.5	6.9	9.6	7.0	10.0	7.3	11.2	7.9	11.7	8.3	11.5	8.3	11.3	8.3	11.4	8.4	11.4	8.4	11.4	8.5	11.4	8.5	11.3	8.4	11.0	8.1	10.6	7.9
E	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.0	7.8	11.0	7.7	10.9	7.7	10.9	7.6	11.0	7.7	11.5	8.0	12.9	8.8	13.7	9.3	13.6	9.4	13.4	9.3	13.1	9.2	12.8	9.1	12.8	9.2	12.8	9.2	12.7	9.1	12.4	8.8	12.0	8.6
SE	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.2	7.9	11.1	7.9	11.1	7.8	11.0	7.8	11.0	7.7	10.9	7.7	10.9	7.6	11.0	7.7	11.4	7.9	12.6	8.6	13.4	9.2	13.5	9.4	13.6	9.4	13.6	9.5	13.1	9.3	12.8	9.2	12.7	9.1	12.7	9.1	12.4	8.8	12.0	8.6
S	11.5	8.2	11.3	8.1	11.2	8.0	11.1	7.9	11.0	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.6	10.7	7.5	10.7	7.5	10.8	7.6	11.1	7.8	11.5	8.1	12.2	8.6	12.7	8.9	13.1	9.2	13.4	9.4	13.4	9.4	13.4	9.5	13.1	9.3	12.6	9.0	12.2	8.7	11.8	8.5
SW	11.8	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.7	11.0	7.7	11.1	7.7	11.4	7.9	11.8	8.3	12.2	8.6	12.6	8.9	12.7	9.0	13.2	9.3	13.7	9.6	14.2	9.9	14.3	9.9	13.7	9.6	12.7	9.0	12.1	8.7
W	11.5	8.3	11.2	8.0	11.0	7.9	11.0	7.8	10.9	7.8	10.8	7.7	10.8	7.6	10.7	7.6	10.7	7.5	10.6	7.5	10.6	7.5	10.7	7.5	11.0	7.7	11.4	8.1	11.8	8.4	12.1	8.7	12.3	8.8	12.4	8.9	12.7	9.1	13.5	9.5	13.9	9.7	13.5	9.5	12.5	8.9	11.8	8.5
NW	10.1	7.6	9.8	7.3	9.7	7.2	9.6	7.2	9.5	7.1	9.4	7.0	9.4	7.0	9.3	6.9	9.3	6.8	9.2	6.8	9.2	6.8	9.3	6.8	9.6	7.0	10.0	7.4	10.4	7.7	10.7	8.0	10.9	8.1	11.1	8.2	11.0	8.2	11.2	8.4	11.7	8.6	11.6	8.5	10.9	8.1	10.4	7.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	14.7	7.9	14.7	7.8	14.6	7.8	14.6	7.7	14.5	7.7	14.5	7.7	14.5	7.6	14.5	7.6	14.4	7.6	14.4	7.5	14.5	7.6	14.8	7.8	15.4	8.1	15.9	8.5	16.2	8.7	16.5	8.9	16.8	9.0	16.8	9.1	16.8	9.1	16.6	9.0	16.1	8.7	15.5	8.4	15.1	8.1	14.9	8.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BİNGÖL (38.53)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.8	6.2	7.6	6.0	7.4	5.7	7.2	5.6	7.0	5.4	6.8	5.2	6.6	5.0	6.5	4.9	6.4	4.8	6.7	4.9	7.7	5.6	9.0	6.6	10.3	7.8	11.3	8.5	11.7	8.8	12.2	9.4	12.2	9.4	12.4	9.7	12.2	9.6	11.9	9.3	11.0	8.6	9.9	7.8	8.9	7.1	8.2	6.6
NE	8.9	6.7	8.6	6.5	8.4	6.3	8.2	6.1	8.0	5.9	7.8	5.7	7.7	5.5	7.5	5.4	7.4	5.3	7.8	5.5	9.1	6.3	12.7	8.5	14.2	9.7	13.8	9.8	13.0	9.5	13.3	9.9	13.2	9.9	13.4	10.2	13.3	10.1	13.0	9.8	12.0	9.1	10.8	8.3	9.8	7.5	9.2	7.1
E	10.1	7.3	9.8	7.1	9.6	6.8	9.4	6.7	9.2	6.5	9.0	6.3	8.8	6.1	8.7	6.0	8.6	5.9	9.0	6.1	10.3	6.9	15.0	9.6	17.3	11.3	17.0	11.3	16.4	11.2	15.4	10.9	14.4	10.5	14.6	10.8	14.4	10.7	14.1	10.4	13.2	9.7	12.0	8.9	11.0	8.1	10.4	7.7
SE	10.0	7.3	9.8	7.1	9.5	6.8	9.3	6.6	9.1	6.4	9.0	6.3	8.8	6.1	8.6	5.9	8.6	5.9	8.9	6.0	10.1	6.8	13.8	9.0	16.4	10.8	16.9	11.3	17.2	11.6	16.9	11.7	15.6	11.1	14.6	10.8	14.4	10.7	14.1	10.4	13.1	9.7	11.9	8.9	10.9	8.1	10.4	7.6
S	9.9	7.2	9.6	7.0	9.4	6.8	9.2	6.6	9.0	6.4	8.8	6.2	8.7	6.0	8.5	5.9	8.4	5.8	8.6	5.9	9.7	6.6	11.0	7.6	13.1	9.2	14.7	10.2	15.9	10.9	16.9	11.7	17.1	11.8	17.0	12.0	16.1	11.5	14.5	10.6	13.0	9.6	11.8	8.8	10.8	8.0	10.2	7.6
SW	10.1	7.4	9.9	7.1	9.6	6.9	9.5	6.7	9.2	6.5	9.1	6.3	8.9	6.2	8.8	6.0	8.7	5.9	8.9	6.0	9.9	6.7	11.3	7.8	12.6	8.9	13.6	9.6	13.9	10.0	15.7	11.1	17.2	11.9	18.7	12.8	19.1	13.0	17.1	11.9	14.2	10.2	12.3	9.0	11.3	8.3	10.5	7.7
W	9.8	7.2	9.5	6.9	9.3	6.7	9.1	6.5	8.9	6.3	8.7	6.1	8.6	6.0	8.4	5.8	8.3	5.7	8.5	5.9	9.6	6.6	10.9	7.6	12.3	8.7	13.2	9.5	13.6	9.8	14.2	10.3	15.1	10.9	17.4	12.2	18.8	12.9	17.4	12.0	14.2	10.2	12.1	8.9	11.2	8.2	10.1	7.5
NW	8.6	6.6	8.4	6.4	8.1	6.1	8.0	5.9	7.7	5.7	7.6	5.6	7.4	5.4	7.3	5.3	7.2	5.2	7.4	5.3	8.4	6.0	9.8	7.0	11.1	8.2	12.1	8.9	12.4	9.2	13.0	9.8	13.0	9.8	13.5	10.2	14.9	11.0	14.8	10.7	12.7	9.4	10.9	8.3	10.0	7.6	9.0	6.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.2	7.1	9.1	7.0	9.0	7.0	9.0	6.9	9.0	6.9	9.0	6.9	8.9	6.9	8.9	6.9	8.9	6.8	8.9	6.8	8.9	6.8	8.9	6.8	8.9	6.8	9.0	6.9	9.1	7.0	9.2	7.1	9.3	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.4	7.3	9.4	7.3	9.4	7.2	9.3	7.2
NE	10.5	7.7	10.4	7.7	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.3	7.6	10.7	7.8	10.8	7.9	10.8	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.8	7.9	10.7	7.9	10.7	7.9	10.6	7.8
E	12.0	8.5	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.8	8.3	12.3	8.6	12.5	8.7	12.5	8.7	12.4	8.7	12.3	8.7	12.2	8.6	12.2	8.7	12.2	8.7	12.2	8.6	12.1	8.6
SE	12.0	8.5	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.8	8.3	12.2	8.5	12.4	8.7	12.5	8.7	12.5	8.7	12.5	8.8	12.3	8.7	12.2	8.7	12.2	8.7	12.2	8.6	12.1	8.6
S	11.8	8.4	11.7	8.3	11.6	8.3	11.6	8.2	11.6	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.9	8.4	12.0	8.5	12.1	8.6	12.2	8.7	12.3	8.7	12.3	8.7	12.2	8.6	12.0	8.5	11.9	8.4
SW	12.1	8.5	12.0	8.5	11.9	8.4	11.9	8.4	11.9	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.2	11.8	8.3	11.9	8.3	12.0	8.4	12.1	8.5	12.2	8.6	12.3	8.6	12.4	8.7	12.6	8.8	12.7	8.9	12.8	8.9	12.6	8.8	12.3	8.7
W	11.7	8.3	11.6	8.3	11.5	8.2	11.5	8.2	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.3	8.0	11.4	8.1	11.6	8.2	11.7	8.3	11.8	8.4	11.8	8.4	11.9	8.5	12.0	8.5	12.2	8.6	12.3	8.7	12.2	8.6	11.9	8.5
NW	10.2	7.6	10.1	7.5	10.0	7.5	10.0	7.4	10.0	7.4	9.9	7.4	9.9	7.4	9.9	7.3	9.9	7.3	9.9	7.3	9.9	7.3	9.8	7.3	9.9	7.3	10.0	7.4	10.1	7.5	10.2	7.6	10.3	7.7	10.4	7.7	10.4	7.7	10.4	7.7	10.5	7.8	10.6	7.8	10.6	7.8	10.4	7.7
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.7	6.8	8.7	6.7	8.6	6.6	8.6	6.6	8.5	6.5	8.4	6.5	8.4	6.4	8.3	6.4	8.3	6.4	8.4	6.4	8.7	6.6	9.1	6.9	9.5	7.2	9.8	7.5	9.9	7.6	10.1	7.7	10.0	7.7	10.1	7.8	10.0	7.8	10.0	7.7	9.7	7.5	9.3	7.3
NE	10.3	7.6	10.1	7.5	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.7	7.2	9.7	7.1	9.6	7.1	9.6	7.0	9.6	7.0	9.7	7.0	10.1	7.3	11.1	7.9	11.6	8.3	11.5	8.3	11.2	8.2	11.3	8.3	11.3	8.3	11.4	8.4	11.3	8.4	11.2	8.3	10.9	8.1	10.6	7.9
E	11.7	8.4	11.5	8.2	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.7	11.0	7.7	11.1	7.8	11.5	8.0	12.9	8.8	13.6	9.3	13.5	9.3	13.3	9.3	13.0	9.2	12.7	9.0	12.8	9.1	12.7	9.1	12.6	9.0	12.3	8.8	12.0	8.6
SE	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.8	11.0	7.7	11.0	7.7	11.1	7.7	11.4	8.0	12.5	8.6	13.3	9.1	13.4	9.3	13.5	9.4	13.4	9.4	13.1	9.2	12.7	9.1	12.7	9.1	12.6	9.0	12.3	8.8	12.0	8.6
S	11.5	8.2	11.3	8.1	11.2	8.0	11.1	7.9	11.1	7.9	11.0	7.8	10.9	7.7	10.9	7.7	10.8	7.6	10.8	7.6	10.8	7.6	10.8	7.6	11.1	7.8	11.5	8.1	12.2	8.6	12.6	8.9	13.0	9.1	13.3	9.3	13.3	9.4	13.3	9.4	13.0	9.3	12.6	9.0	12.1	8.7	11.8	8.5
SW	11.8	8.4	11.6	8.3	11.5	8.2	11.4	8.1	11.4	8.0	11.3	8.0	11.2	7.9	11.2	7.8	11.1	7.8	11.1	7.8	11.1	7.7	11.1	7.8	11.4	8.0	11.8	8.3	12.2	8.6	12.5	8.8	12.6	8.9	13.2	9.3	13.6	9.5	14.0	9.8	14.1	9.8	13.6	9.5	12.7	9.0	12.1	8.7
W	11.5	8.3	11.2	8.0	11.1	7.9	11.0	7.9	10.9	7.8	10.9	7.8	10.8	7.7	10.8	7.6	10.7	7.6	10.7	7.5	10.7	7.5	10.7	7.6	11.0	7.8	11.4	8.1	11.8	8.4	12.1	8.6	12.2	8.7	12.4	8.9	12.7	9.0	13.3	9.4	13.7	9.6	13.3	9.4	12.4	8.8	11.8	8.5
NW	10.1	7.5	9.8	7.4	9.7	7.2	9.6	7.2	9.5	7.1	9.5	7.1	9.4	7.0	9.4	6.9	9.3	6.9	9.3	6.8	9.3	6.8	9.3	6.9	9.6	7.1	10.0	7.4	10.4	7.7	10.7	7.9	10.8	8.0	11.0	8.2	11.0	8.2	11.1	8.3	11.6	8.5	11.5	8.5	10.9	8.1	10.3	7.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.2	7.1	9.1	7.0	9.1	7.0	9.0	7.0	9.0	6.9	9.0	6.9	9.0	6.9	9.0	6.9	8.9	6.9	8.9	6.9	8.9	6.8	8.9	6.8	8.9	6.9	9.0	6.9	9.1	7.0	9.2	7.1	9.3	7.1	9.3	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.3	7.2	9.3	7.1
NE	10.5	7.7	10.4	7.7	10.4	7.6	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.5	10.3	7.5	10.3	7.5	10.2	7.5	10.2	7.5	10.3	7.5	10.4	7.6	10.7	7.8	10.8	7.8	10.7	7.9	10.7	7.8	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.6	7.8
E	12.0	8.5	11.9	8.4	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.8	8.3	11.9	8.3	12.2	8.5	12.4	8.7	12.4	8.7	12.3	8.7	12.3	8.6	12.2	8.6	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.5
SE	12.0	8.5	11.9	8.4	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.7	8.3	11.8	8.3	12.1	8.5	12.3	8.6	12.4	8.7	12.4	8.7	12.4	8.7	12.3	8.7	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.5
S	11.8	8.4	11.7	8.3	11.6	8.3	11.6	8.2	11.6	8.2	11.6	8.2	11.6	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.9	8.4	12.0	8.5	12.1	8.5	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.6	12.0	8.5	11.9	8.4
SW	12.1	8.5	12.0	8.5	12.0	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.9	8.4	12.0	8.4	12.1	8.5	12.2	8.6	12.2	8.6	12.4	8.7	12.5	8.8	12.6	8.8	12.6	8.8	12.5	8.8	12.2	8.6
W	11.7	8.3	11.6	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.8	8.4	11.8	8.4	11.8	8.4	11.9	8.5	12.1	8.6	12.2	8.6	12.1	8.6	11.8	8.4
NW	10.2	7.6	10.1	7.5	10.0	7.5	10.0	7.4	10.0	7.4	10.0	7.4	10.0	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.3	9.9	7.3	9.9	7.3	10.0	7.4	10.1	7.5	10.2	7.6	10.3	7.6	10.3	7.7	10.4	7.7	10.4	7.7	10.4	7.7	10.5	7.8	10.5	7.8	10.3	7.7
	R2 - 12cm Concrete+2 cm plaster																																															
R	6.8	3.1	6.4	2.7	6.0	2.3	5.6	1.9	5.3	1.6	5.0	1.2	4.8	1.1	5.5	1.5	8.9	3.5	15.8	7.7	22.6	12.1	26.3	14.5	29.9	16.6	32.5	18.4	33.3	18.9	33.1	19.2	30.5	17.9	24.3	14.5	17.7	10.7	13.1	8.0	10.2	6.0	8.6	4.8	7.8	4.1	7.3	3.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BİTLİS (38.22)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	4.6	2.8	4.3	2.5	4.0	2.2	3.9	2.1	3.8	2.0	3.8	1.9	3.7	1.9	3.6	1.8	3.6	1.7	3.6	1.8	3.7	1.8	4.3	2.2	5.3	3.0	6.2	3.7	6.8	4.2	7.3	4.6	7.5	4.8	7.6	4.9	7.5	4.9	7.3	4.8	7.1	4.6	6.6	4.2	5.7	3.7	5.1	3.2
NE	5.4	3.1	5.1	2.8	4.8	2.6	4.7	2.4	4.6	2.4	4.5	2.3	4.5	2.3	4.4	2.1	4.3	2.1	4.4	2.2	4.5	2.2	5.1	2.7	6.7	3.7	8.4	4.8	8.3	5.0	8.1	5.1	8.2	5.2	8.3	5.3	8.3	5.3	8.1	5.2	7.8	5.0	7.3	4.6	6.4	4.1	5.8	3.5
E	6.4	3.7	6.1	3.4	5.9	3.1	5.7	3.0	5.7	2.9	5.6	2.8	5.6	2.8	5.4	2.7	5.4	2.7	5.4	2.7	5.5	2.7	6.2	3.2	8.0	4.4	10.5	5.9	10.6	6.1	10.4	6.2	9.8	6.0	9.4	5.8	9.3	5.8	9.1	5.7	8.9	5.6	8.4	5.2	7.5	4.6	6.9	4.0
SE	6.4	3.7	6.1	3.3	5.8	3.1	5.7	2.9	5.6	2.9	5.5	2.8	5.5	2.8	5.4	2.6	5.4	2.6	5.4	2.7	5.5	2.7	6.1	3.2	7.7	4.2	10.0	5.7	10.5	6.1	10.8	6.4	10.5	6.3	10.0	6.1	9.3	5.8	9.1	5.7	8.9	5.5	8.3	5.1	7.5	4.6	6.8	4.0
S	6.6	3.7	6.3	3.4	6.0	3.2	5.9	3.0	5.8	3.0	5.7	2.9	5.7	2.9	5.6	2.7	5.5	2.7	5.6	2.8	5.6	2.8	6.2	3.2	7.3	4.0	8.6	5.0	9.6	5.6	10.4	6.2	10.8	6.5	10.8	6.5	10.7	6.5	10.2	6.2	9.5	5.8	8.5	5.2	7.6	4.7	7.0	4.1
SW	6.8	3.9	6.5	3.6	6.3	3.3	6.1	3.2	6.1	3.1	6.0	3.0	5.9	3.0	5.8	2.9	5.8	2.8	5.8	2.9	5.9	2.9	6.5	3.3	7.5	4.1	8.4	4.9	9.0	5.3	9.5	5.8	10.3	6.2	11.0	6.6	11.6	7.0	11.8	7.0	11.3	6.8	9.4	5.6	8.0	4.8	7.4	4.3
W	6.6	3.7	6.2	3.4	6.0	3.2	5.8	3.0	5.8	3.0	5.7	2.9	5.7	2.9	5.5	2.7	5.5	2.7	5.6	2.7	5.6	2.8	6.2	3.2	7.2	4.0	8.1	4.7	8.7	5.2	9.2	5.6	9.4	5.8	10.0	6.1	10.9	6.6	11.5	6.9	11.4	6.8	9.3	5.6	7.7	4.7	7.3	4.2
NW	5.4	3.2	5.1	2.9	4.9	2.6	4.7	2.5	4.7	2.4	4.6	2.3	4.5	2.3	4.4	2.2	4.4	2.1	4.4	2.2	4.5	2.2	5.1	2.6	6.1	3.4	7.0	4.2	7.6	4.6	8.1	5.1	8.3	5.2	8.4	5.3	8.4	5.4	9.0	5.7	9.3	5.7	7.9	4.9	6.6	4.1	6.1	3.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.9	6.9	8.8	6.8	8.8	6.8	8.7	6.7	8.7	6.7	8.7	6.7	8.6	6.6	8.6	6.6	8.6	6.6	8.6	6.6	8.9	6.7	9.1	6.9	9.4	7.2	9.6	7.3	9.6	7.4	9.7	7.5	9.7	7.5	9.8	7.5	9.7	7.5	9.7	7.5	9.5	7.3	9.3	7.2
NE	10.4	7.7	10.2	7.6	10.2	7.5	10.1	7.5	10.1	7.4	10.0	7.4	10.0	7.3	10.0	7.3	9.9	7.3	9.9	7.2	9.9	7.2	10.0	7.3	10.2	7.4	10.9	7.8	11.2	8.1	11.1	8.1	11.0	8.0	11.0	8.1	11.0	8.1	11.1	8.2	11.0	8.2	11.0	8.1	10.8	8.0	10.5	7.8
E	11.8	8.4	11.7	8.3	11.6	8.2	11.6	8.2	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.3	8.0	11.3	7.9	11.4	8.0	11.7	8.2	12.6	8.7	13.0	9.0	13.0	9.0	12.9	9.0	12.7	8.9	12.5	8.8	12.5	8.9	12.5	8.9	12.4	8.8	12.2	8.7	12.0	8.5
SE	11.8	8.4	11.7	8.3	11.6	8.2	11.6	8.2	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.3	8.0	11.3	7.9	11.4	8.0	11.6	8.1	12.3	8.6	12.9	8.9	12.9	9.0	13.0	9.1	13.0	9.1	12.7	9.0	12.5	8.9	12.5	8.9	12.4	8.8	12.2	8.7	12.0	8.5
S	11.6	8.3	11.5	8.2	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.1	7.9	11.3	8.0	11.6	8.2	12.0	8.5	12.3	8.7	12.6	8.8	12.8	9.0	12.8	9.0	12.8	9.0	12.6	9.0	12.3	8.8	12.0	8.6	11.8	8.4
SW	11.9	8.4	11.8	8.3	11.7	8.3	11.7	8.2	11.6	8.2	11.6	8.1	11.5	8.1	11.5	8.1	11.5	8.0	11.4	8.0	11.4	8.0	11.5	8.0	11.7	8.1	11.9	8.3	12.2	8.6	12.4	8.7	12.4	8.8	12.8	9.0	13.1	9.2	13.4	9.3	13.4	9.4	13.1	9.2	12.5	8.8	12.1	8.6
W	11.5	8.3	11.3	8.1	11.3	8.1	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.1	7.9	11.0	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.2	7.9	11.5	8.1	11.8	8.4	11.9	8.5	12.0	8.6	12.1	8.7	12.3	8.8	12.8	9.0	13.0	9.2	12.8	9.0	12.1	8.6	11.7	8.4
NW	10.1	7.5	9.9	7.4	9.8	7.3	9.8	7.3	9.7	7.2	9.7	7.2	9.7	7.2	9.6	7.1	9.6	7.1	9.6	7.1	9.6	7.1	9.6	7.1	9.8	7.2	10.1	7.4	10.3	7.6	10.5	7.8	10.6	7.9	10.7	8.0	10.7	8.0	10.8	8.0	11.1	8.2	11.0	8.1	10.6	7.9	10.3	7.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.8	6.8	8.7	6.7	8.7	6.7	8.6	6.6	8.6	6.6	8.5	6.5	8.5	6.5	8.4	6.4	8.4	6.4	8.5	6.5	8.8	6.7	9.1	6.9	9.4	7.2	9.7	7.4	9.8	7.5	10.0	7.6	9.9	7.6	10.0	7.7	9.9	7.7	9.9	7.6	9.6	7.4	9.3	7.2
NE	10.3	7.7	10.2	7.5	10.1	7.4	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.8	7.2	9.7	7.1	9.7	7.1	9.7	7.1	9.8	7.1	10.1	7.3	11.1	7.9	11.5	8.2	11.4	8.2	11.1	8.2	11.2	8.3	11.2	8.3	11.3	8.4	11.2	8.3	11.1	8.3	10.9	8.1	10.6	7.9
E	11.7	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.4	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.2	7.8	11.1	7.8	11.1	7.8	11.2	7.8	11.6	8.0	12.8	8.8	13.4	9.2	13.3	9.2	13.2	9.2	12.9	9.1	12.6	9.0	12.7	9.1	12.6	9.0	12.6	9.0	12.3	8.8	12.0	8.6
SE	11.7	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.1	7.8	11.2	7.8	11.5	8.0	12.5	8.6	13.2	9.1	13.3	9.2	13.4	9.3	13.3	9.3	13.0	9.2	12.7	9.1	12.6	9.0	12.5	9.0	12.3	8.8	12.0	8.6
S	11.5	8.3	11.3	8.1	11.3	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	10.9	7.7	10.9	7.7	11.2	7.9	11.6	8.1	12.1	8.6	12.5	8.8	12.8	9.0	13.1	9.2	13.2	9.3	13.2	9.3	12.9	9.2	12.5	8.9	12.1	8.7	11.8	8.5
SW	11.9	8.4	11.7	8.3	11.6	8.2	11.5	8.1	11.4	8.1	11.4	8.0	11.3	8.0	11.3	7.9	11.2	7.9	11.2	7.8	11.2	7.8	11.2	7.8	11.5	8.0	11.9	8.3	12.2	8.6	12.5	8.8	12.6	8.9	13.0	9.2	13.4	9.4	13.8	9.6	13.9	9.7	13.4	9.4	12.6	8.9	12.1	8.6
W	11.5	8.3	11.2	8.1	11.1	8.0	11.1	7.9	11.0	7.9	11.0	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.6	10.8	7.6	10.8	7.6	11.1	7.8	11.4	8.1	11.8	8.4	12.1	8.6	12.2	8.7	12.3	8.8	12.6	9.0	13.2	9.3	13.5	9.5	13.2	9.3	12.3	8.8	11.8	8.4
NW	10.1	7.5	9.8	7.4	9.7	7.3	9.7	7.2	9.6	7.2	9.6	7.1	9.5	7.0	9.5	7.0	9.4	7.0	9.4	6.9	9.3	6.9	9.4	6.9	9.7	7.1	10.0	7.4	10.4	7.7	10.6	7.9	10.7	8.0	10.9	8.1	10.9	8.1	11.0	8.2	11.4	8.4	11.4	8.4	10.8	8.0	10.3	7.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.1	7.0	8.8	6.9	8.7	6.8	8.6	6.7	8.6	6.6	8.5	6.6	8.4	6.5	8.4	6.4	8.3	6.4	8.3	6.3	8.3	6.3	8.4	6.4	8.7	6.6	9.1	6.9	9.5	7.3	9.8	7.5	9.9	7.6	10.1	7.8	10.1	7.8	10.2	7.9	10.1	7.8	10.0	7.7	9.7	7.5	9.4	7.3
NE	10.3	7.6	10.1	7.5	10.0	7.4	9.9	7.3	9.8	7.2	9.8	7.2	9.7	7.1	9.6	7.1	9.6	7.0	9.5	7.0	9.5	6.9	9.6	7.0	10.0	7.3	11.2	7.9	11.7	8.3	11.5	8.3	11.3	8.3	11.4	8.4	11.4	8.4	11.4	8.5	11.4	8.5	11.3	8.4	11.0	8.1	10.6	7.9
E	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.0	7.8	11.0	7.7	10.9	7.7	10.9	7.6	11.0	7.7	11.5	8.0	12.9	8.8	13.7	9.3	13.6	9.4	13.4	9.3	13.1	9.2	12.8	9.1	12.8	9.2	12.8	9.2	12.7	9.1	12.4	8.8	12.0	8.6
SE	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.2	7.9	11.1	7.9	11.1	7.8	11.0	7.8	11.0	7.7	10.9	7.7	10.9	7.6	11.0	7.7	11.4	7.9	12.6	8.6	13.4	9.2	13.5	9.4	13.6	9.4	13.6	9.5	13.1	9.3	12.8	9.2	12.7	9.1	12.7	9.1	12.4	8.8	12.0	8.6
S	11.5	8.2	11.3	8.1	11.2	8.0	11.1	7.9	11.0	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.6	10.7	7.5	10.7	7.5	10.8	7.6	11.1	7.8	11.5	8.1	12.2	8.6	12.7	8.9	13.1	9.2	13.4	9.4	13.4	9.4	13.4	9.5	13.1	9.3	12.6	9.0	12.2	8.7	11.8	8.5
SW	11.8	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.7	11.0	7.7	11.1	7.7	11.4	7.9	11.8	8.3	12.2	8.6	12.6	8.9	12.7	9.0	13.2	9.3	13.7	9.6	14.2	9.9	14.3	9.9	13.7	9.6	12.7	9.0	12.1	8.7
W	11.5	8.3	11.2	8.0	11.0	7.9	11.0	7.8	10.9	7.8	10.8	7.7	10.8	7.6	10.7	7.6	10.7	7.5	10.6	7.5	10.6	7.5	10.7	7.5	11.0	7.7	11.4	8.1	11.8	8.4	12.1	8.7	12.3	8.8	12.4	8.9	12.7	9.1	13.5	9.5	13.9	9.7	13.5	9.5	12.5	8.9	11.8	8.5
NW	10.1	7.6	9.8	7.3	9.7	7.2	9.6	7.2	9.5	7.1	9.4	7.0	9.4	7.0	9.3	6.9	9.3	6.8	9.2	6.8	9.2	6.8	9.3	6.8	9.6	7.0	10.0	7.4	10.4	7.7	10.7	8.0	10.9	8.1	11.1	8.2	11.0	8.2	11.2	8.4	11.7	8.6	11.6	8.5	10.9	8.1	10.4	7.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	9.5	3.3	9.4	3.2	9.3	3.1	9.3	3.1	9.2	3.0	9.2	3.0	9.2	3.0	9.2	3.0	9.2	3.0	9.2	3.0	9.2	3.0	9.4	3.1	10.0	3.5	10.7	3.9	11.0	4.2	11.3	4.4	11.5	4.4	11.4	4.4	11.4	4.4	11.2	4.4	10.9	4.2	10.3	3.8	9.9	3.6	9.6	3.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BİTLİS (38.22)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.8	6.2	7.6	6.0	7.4	5.7	7.2	5.6	7.0	5.4	6.8	5.2	6.6	5.0	6.5	4.9	6.4	4.8	6.7	4.9	7.7	5.6	9.0	6.6	10.3	7.8	11.3	8.5	11.7	8.8	12.2	9.4	12.2	9.4	12.4	9.7	12.2	9.6	11.9	9.3	11.0	8.6	9.9	7.8	8.9	7.1	8.2	6.6
NE	8.9	6.7	8.6	6.5	8.4	6.3	8.2	6.1	8.0	5.9	7.8	5.7	7.7	5.5	7.5	5.4	7.4	5.3	7.8	5.5	9.1	6.3	12.7	8.5	14.2	9.7	13.8	9.8	13.0	9.5	13.3	9.9	13.2	9.9	13.4	10.2	13.3	10.1	13.0	9.8	12.0	9.1	10.8	8.3	9.8	7.5	9.2	7.1
E	10.1	7.3	9.8	7.1	9.6	6.8	9.4	6.7	9.2	6.5	9.0	6.3	8.8	6.1	8.7	6.0	8.6	5.9	9.0	6.1	10.3	6.9	15.0	9.6	17.3	11.3	17.0	11.3	16.4	11.2	15.4	10.9	14.4	10.5	14.6	10.8	14.4	10.7	14.1	10.4	13.2	9.7	12.0	8.9	11.0	8.1	10.4	7.7
SE	10.0	7.3	9.8	7.1	9.5	6.8	9.3	6.6	9.1	6.4	9.0	6.3	8.8	6.1	8.6	5.9	8.6	5.9	8.9	6.0	10.1	6.8	13.8	9.0	16.4	10.8	16.9	11.3	17.2	11.6	16.9	11.7	15.6	11.1	14.6	10.8	14.4	10.7	14.1	10.4	13.1	9.7	11.9	8.9	10.9	8.1	10.4	7.6
S	9.9	7.2	9.6	7.0	9.4	6.8	9.2	6.6	9.0	6.4	8.8	6.2	8.7	6.0	8.5	5.9	8.4	5.8	8.6	5.9	9.7	6.6	11.0	7.6	13.1	9.2	14.7	10.2	15.9	10.9	16.9	11.7	17.1	11.8	17.0	12.0	16.1	11.5	14.5	10.6	13.0	9.6	11.8	8.8	10.8	8.0	10.2	7.6
SW	10.1	7.4	9.9	7.1	9.6	6.9	9.5	6.7	9.2	6.5	9.1	6.3	8.9	6.2	8.8	6.0	8.7	5.9	8.9	6.0	9.9	6.7	11.3	7.8	12.6	8.9	13.6	9.6	13.9	10.0	15.7	11.1	17.2	11.9	18.7	12.8	19.1	13.0	17.1	11.9	14.2	10.2	12.3	9.0	11.3	8.3	10.5	7.7
W	9.8	7.2	9.5	6.9	9.3	6.7	9.1	6.5	8.9	6.3	8.7	6.1	8.6	6.0	8.4	5.8	8.3	5.7	8.5	5.9	9.6	6.6	10.9	7.6	12.3	8.7	13.2	9.5	13.6	9.8	14.2	10.3	15.1	10.9	17.4	12.2	18.8	12.9	17.4	12.0	14.2	10.2	12.1	8.9	11.2	8.2	10.1	7.5
NW	8.6	6.6	8.4	6.4	8.1	6.1	8.0	5.9	7.7	5.7	7.6	5.6	7.4	5.4	7.3	5.3	7.2	5.2	7.4	5.3	8.4	6.0	9.8	7.0	11.1	8.2	12.1	8.9	12.4	9.2	13.0	9.8	13.0	9.8	13.5	10.2	14.9	11.0	14.8	10.7	12.7	9.4	10.9	8.3	10.0	7.6	9.0	6.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.4	3.2	5.3	3.1	5.2	3.1	5.1	3.0	5.1	3.0	5.1	3.0	5.1	3.0	5.1	2.9	5.0	2.9	5.0	2.9	5.0	2.9	5.0	2.9	5.0	2.9	5.1	3.0	5.3	3.1	5.4	3.2	5.5	3.3	5.6	3.4	5.6	3.4	5.7	3.4	5.6	3.4	5.6	3.4	5.6	3.4	5.5	3.3
NE	6.2	3.7	6.1	3.6	6.0	3.5	6.0	3.5	6.0	3.4	5.9	3.4	5.9	3.4	5.9	3.4	5.9	3.4	5.9	3.4	5.9	3.3	5.9	3.4	5.9	3.4	6.0	3.4	6.3	3.6	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.4	3.8	6.3	3.7
E	7.4	4.3	7.3	4.2	7.3	4.1	7.2	4.1	7.2	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.2	4.0	7.5	4.2	7.9	4.5	7.9	4.5	7.9	4.5	7.8	4.5	7.7	4.5	7.7	4.5	7.7	4.4	7.6	4.4	7.6	4.3
SE	7.4	4.3	7.3	4.2	7.2	4.1	7.2	4.1	7.2	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.2	4.0	7.5	4.2	7.8	4.4	7.9	4.5	7.9	4.5	7.9	4.5	7.8	4.5	7.7	4.4	7.7	4.4	7.6	4.4	7.6	4.3
S	7.6	4.3	7.5	4.2	7.4	4.2	7.4	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.2	4.0	7.2	4.0	7.2	4.0	7.3	4.0	7.3	4.1	7.5	4.2	7.7	4.4	7.9	4.5	8.0	4.6	8.1	4.6	8.1	4.6	8.1	4.6	8.0	4.6	7.9	4.5	7.7	4.4
SW	7.9	4.5	7.8	4.4	7.7	4.3	7.7	4.3	7.6	4.2	7.6	4.2	7.6	4.2	7.6	4.2	7.6	4.2	7.5	4.2	7.5	4.2	7.5	4.2	7.6	4.2	7.6	4.3	7.8	4.4	7.9	4.5	8.0	4.6	8.1	4.6	8.2	4.7	8.4	4.8	8.5	4.8	8.5	4.8	8.4	4.8	8.1	4.6
W	7.6	4.3	7.5	4.3	7.4	4.2	7.3	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.2	4.0	7.2	4.0	7.2	4.0	7.2	4.0	7.2	4.0	7.2	4.0	7.3	4.1	7.5	4.2	7.6	4.3	7.7	4.4	7.8	4.5	7.8	4.5	7.9	4.5	8.1	4.6	8.2	4.7	8.1	4.7	7.8	4.5
NW	6.3	3.7	6.2	3.6	6.1	3.5	6.1	3.5	6.0	3.5	6.0	3.4	6.0	3.4	6.0	3.4	6.0	3.4	6.0	3.4	5.9	3.4	6.0	3.4	6.0	3.4	6.1	3.5	6.2	3.6	6.4	3.7	6.5	3.8	6.5	3.8	6.6	3.9	6.6	3.9	6.6	3.9	6.7	3.9	6.7	3.9	6.5	3.8
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.7	6.8	8.7	6.7	8.6	6.6	8.6	6.6	8.5	6.5	8.4	6.5	8.4	6.4	8.3	6.4	8.3	6.4	8.4	6.4	8.7	6.6	9.1	6.9	9.5	7.2	9.8	7.5	9.9	7.6	10.1	7.7	10.0	7.7	10.1	7.8	10.0	7.8	10.0	7.7	9.7	7.5	9.3	7.3
NE	10.3	7.6	10.1	7.5	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.7	7.2	9.7	7.1	9.6	7.1	9.6	7.0	9.6	7.0	9.7	7.0	10.1	7.3	11.1	7.9	11.6	8.3	11.5	8.3	11.2	8.2	11.3	8.3	11.3	8.3	11.4	8.4	11.3	8.4	11.2	8.3	10.9	8.1	10.6	7.9
E	11.7	8.4	11.5	8.2	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.7	11.0	7.7	11.1	7.8	11.5	8.0	12.9	8.8	13.6	9.3	13.5	9.3	13.3	9.3	13.0	9.2	12.7	9.0	12.8	9.1	12.7	9.1	12.6	9.0	12.3	8.8	12.0	8.6
SE	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.8	11.0	7.7	11.0	7.7	11.1	7.7	11.4	8.0	12.5	8.6	13.3	9.1	13.4	9.3	13.5	9.4	13.4	9.4	13.1	9.2	12.7	9.1	12.7	9.1	12.6	9.0	12.3	8.8	12.0	8.6
S	11.5	8.2	11.3	8.1	11.2	8.0	11.1	7.9	11.1	7.9	11.0	7.8	10.9	7.7	10.9	7.7	10.8	7.6	10.8	7.6	10.8	7.6	10.8	7.6	11.1	7.8	11.5	8.1	12.2	8.6	12.6	8.9	13.0	9.1	13.3	9.3	13.3	9.4	13.3	9.4	13.0	9.3	12.6	9.0	12.1	8.7	11.8	8.5
SW	11.8	8.4	11.6	8.3	11.5	8.2	11.4	8.1	11.4	8.0	11.3	8.0	11.2	7.9	11.2	7.8	11.1	7.8	11.1	7.8	11.1	7.7	11.1	7.8	11.4	8.0	11.8	8.3	12.2	8.6	12.5	8.8	12.6	8.9	13.2	9.3	13.6	9.5	14.0	9.8	14.1	9.8	13.6	9.5	12.7	9.0	12.1	8.7
W	11.5	8.3	11.2	8.0	11.1	7.9	11.0	7.9	10.9	7.8	10.9	7.8	10.8	7.7	10.8	7.6	10.7	7.6	10.7	7.5	10.7	7.5	10.7	7.6	11.0	7.8	11.4	8.1	11.8	8.4	12.1	8.6	12.2	8.7	12.4	8.9	12.7	9.0	13.3	9.4	13.7	9.6	13.3	9.4	12.4	8.8	11.8	8.5
NW	10.1	7.5	9.8	7.4	9.7	7.2	9.6	7.2	9.5	7.1	9.5	7.1	9.4	7.0	9.4	6.9	9.3	6.9	9.3	6.8	9.3	6.8	9.3	6.9	9.6	7.1	10.0	7.4	10.4	7.7	10.7	7.9	10.8	8.0	11.0	8.2	11.0	8.2	11.1	8.3	11.6	8.5	11.5	8.5	10.9	8.1	10.3	7.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.2	7.1	9.1	7.0	9.1	7.0	9.0	7.0	9.0	6.9	9.0	6.9	9.0	6.9	9.0	6.9	8.9	6.9	8.9	6.9	8.9	6.8	8.9	6.8	8.9	6.9	9.0	6.9	9.1	7.0	9.2	7.1	9.3	7.1	9.3	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.3	7.2	9.3	7.1
NE	10.5	7.7	10.4	7.7	10.4	7.6	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.5	10.3	7.5	10.3	7.5	10.2	7.5	10.2	7.5	10.3	7.5	10.4	7.6	10.7	7.8	10.8	7.8	10.7	7.9	10.7	7.8	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.6	7.8
E	12.0	8.5	11.9	8.4	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.8	8.3	11.9	8.3	12.2	8.5	12.4	8.7	12.4	8.7	12.3	8.7	12.3	8.6	12.2	8.6	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.5
SE	12.0	8.5	11.9	8.4	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.7	8.3	11.8	8.3	12.1	8.5	12.3	8.6	12.4	8.7	12.4	8.7	12.4	8.7	12.3	8.7	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.5
S	11.8	8.4	11.7	8.3	11.6	8.3	11.6	8.2	11.6	8.2	11.6	8.2	11.6	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.9	8.4	12.0	8.5	12.1	8.5	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.6	12.0	8.5	11.9	8.4
SW	12.1	8.5	12.0	8.5	12.0	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.9	8.4	12.0	8.4	12.1	8.5	12.2	8.6	12.2	8.6	12.4	8.7	12.5	8.8	12.6	8.8	12.6	8.8	12.5	8.8	12.2	8.6
W	11.7	8.3	11.6	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.8	8.4	11.8	8.4	11.8	8.4	11.9	8.5	12.1	8.6	12.2	8.6	12.1	8.6	11.8	8.4
NW	10.2	7.6	10.1	7.5	10.0	7.5	10.0	7.4	10.0	7.4	10.0	7.4	10.0	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.3	9.9	7.3	9.9	7.3	10.0	7.4	10.1	7.5	10.2	7.6	10.3	7.6	10.3	7.7	10.4	7.7	10.4	7.7	10.4	7.7	10.5	7.8	10.5	7.8	10.3	7.7
	R2 - 12cm Concrete+2 cm plaster																																															
R	6.8	3.1	6.4	2.7	6.0	2.3	5.6	1.9	5.3	1.6	5.0	1.2	4.8	1.1	5.5	1.5	8.9	3.5	15.8	7.7	22.6	12.1	26.3	14.5	29.9	16.6	32.5	18.4	33.3	18.9	33.1	19.2	30.5	17.9	24.3	14.5	17.7	10.7	13.1	8.0	10.2	6.0	8.6	4.8	7.8	4.1	7.3	3.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BURDUR (37.43)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.6	6.7	8.3	6.5	8.2	6.4	8.1	6.2	7.9	6.1	7.8	6.0	7.7	5.9	7.6	5.8	7.5	5.7	7.5	5.7	7.6	5.7	8.3	6.2	9.1	6.8	9.9	7.5	10.4	7.9	10.7	8.1	11.0	8.5	11.0	8.5	11.1	8.6	11.0	8.6	10.8	8.4	10.3	8.0	9.6	7.5	9.0	7.1
NE	9.7	7.3	9.5	7.1	9.4	7.0	9.2	6.8	9.1	6.7	9.0	6.6	8.9	6.5	8.8	6.4	8.7	6.3	8.6	6.2	8.9	6.4	9.6	6.9	11.9	8.2	12.7	8.9	12.5	9.0	12.0	8.8	12.2	9.0	12.2	9.0	12.3	9.2	12.2	9.2	12.0	9.0	11.4	8.6	10.7	8.1	10.1	7.6
E	11.0	8.0	10.8	7.8	10.7	7.6	10.5	7.5	10.4	7.4	10.3	7.2	10.2	7.1	10.1	7.0	10.0	6.9	9.9	6.9	10.2	7.0	11.0	7.5	13.8	9.2	15.2	10.2	15.0	10.2	14.7	10.1	14.1	10.0	13.5	9.7	13.6	9.9	13.5	9.8	13.3	9.6	12.7	9.2	12.0	8.7	11.4	8.3
SE	11.0	8.0	10.8	7.7	10.6	7.6	10.5	7.5	10.4	7.3	10.2	7.2	10.1	7.1	10.0	7.0	9.9	6.9	9.9	6.9	10.1	7.0	10.8	7.4	13.1	8.8	14.7	9.9	15.0	10.2	15.1	10.4	15.0	10.4	14.2	10.1	13.5	9.8	13.4	9.8	13.3	9.6	12.7	9.2	12.0	8.7	11.4	8.2
S	10.8	7.9	10.6	7.7	10.5	7.5	10.3	7.4	10.2	7.3	10.1	7.1	10.0	7.0	9.9	6.9	9.8	6.8	9.7	6.8	9.9	6.9	10.5	7.3	11.3	7.9	12.6	8.8	13.6	9.5	14.3	9.9	14.9	10.4	15.0	10.5	15.0	10.6	14.4	10.3	13.4	9.7	12.5	9.1	11.8	8.6	11.2	8.2
SW	11.1	8.0	10.9	7.8	10.7	7.7	10.6	7.5	10.5	7.4	10.4	7.3	10.3	7.2	10.2	7.1	10.1	7.0	10.0	6.9	10.1	7.0	10.8	7.4	11.6	8.0	12.4	8.7	13.0	9.2	13.2	9.4	14.3	10.1	15.2	10.6	16.1	11.1	16.3	11.2	15.1	10.6	13.3	9.5	12.2	8.8	11.6	8.4
W	10.7	7.8	10.5	7.6	10.4	7.5	10.2	7.3	10.1	7.2	10.0	7.1	9.9	7.0	9.8	6.9	9.7	6.8	9.6	6.7	9.8	6.8	10.4	7.2	11.2	7.9	12.0	8.6	12.6	9.0	12.8	9.2	13.2	9.5	13.8	9.8	15.1	10.6	16.0	11.1	15.1	10.6	13.2	9.4	11.9	8.7	11.3	8.2
NW	9.4	7.2	9.2	7.0	9.1	6.8	8.9	6.7	8.8	6.6	8.7	6.4	8.6	6.3	8.5	6.2	8.4	6.1	8.3	6.1	8.5	6.2	9.1	6.6	9.9	7.2	10.7	7.9	11.3	8.4	11.5	8.6	11.9	8.9	11.9	8.9	12.2	9.2	13.1	9.6	13.0	9.5	11.7	8.7	10.6	8.0	10.0	7.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.9	6.9	8.8	6.8	8.8	6.8	8.7	6.7	8.7	6.7	8.7	6.7	8.6	6.6	8.6	6.6	8.6	6.6	8.6	6.6	8.9	6.7	9.1	6.9	9.4	7.2	9.6	7.3	9.6	7.4	9.7	7.5	9.7	7.5	9.8	7.5	9.7	7.5	9.7	7.5	9.5	7.3	9.3	7.2
NE	10.4	7.7	10.2	7.6	10.2	7.5	10.1	7.5	10.1	7.4	10.0	7.4	10.0	7.3	10.0	7.3	9.9	7.3	9.9	7.2	9.9	7.2	10.0	7.3	10.2	7.4	10.9	7.8	11.2	8.1	11.1	8.1	11.0	8.0	11.0	8.1	11.0	8.1	11.1	8.2	11.0	8.2	11.0	8.1	10.8	8.0	10.5	7.8
E	11.8	8.4	11.7	8.3	11.6	8.2	11.6	8.2	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.3	8.0	11.3	7.9	11.4	8.0	11.7	8.2	12.6	8.7	13.0	9.0	13.0	9.0	12.9	9.0	12.7	8.9	12.5	8.8	12.5	8.9	12.5	8.9	12.4	8.8	12.2	8.7	12.0	8.5
SE	11.8	8.4	11.7	8.3	11.6	8.2	11.6	8.2	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.3	8.0	11.3	7.9	11.4	8.0	11.6	8.1	12.3	8.6	12.9	8.9	12.9	9.0	13.0	9.1	13.0	9.1	12.7	9.0	12.5	8.9	12.5	8.9	12.4	8.8	12.2	8.7	12.0	8.5
S	11.6	8.3	11.5	8.2	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.1	7.9	11.3	8.0	11.6	8.2	12.0	8.5	12.3	8.7	12.6	8.8	12.8	9.0	12.8	9.0	12.8	9.0	12.6	9.0	12.3	8.8	12.0	8.6	11.8	8.4
SW	11.9	8.4	11.8	8.3	11.7	8.3	11.7	8.2	11.6	8.2	11.6	8.1	11.5	8.1	11.5	8.1	11.5	8.0	11.4	8.0	11.4	8.0	11.5	8.0	11.7	8.1	11.9	8.3	12.2	8.6	12.4	8.7	12.4	8.8	12.8	9.0	13.1	9.2	13.4	9.3	13.4	9.4	13.1	9.2	12.5	8.8	12.1	8.6
W	11.5	8.3	11.3	8.1	11.3	8.1	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.1	7.9	11.0	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.2	7.9	11.5	8.1	11.8	8.4	11.9	8.5	12.0	8.6	12.1	8.7	12.3	8.8	12.8	9.0	13.0	9.2	12.8	9.0	12.1	8.6	11.7	8.4
NW	10.1	7.5	9.9	7.4	9.8	7.3	9.8	7.3	9.7	7.2	9.7	7.2	9.7	7.2	9.6	7.1	9.6	7.1	9.6	7.1	9.6	7.1	9.6	7.1	9.8	7.2	10.1	7.4	10.3	7.6	10.5	7.8	10.6	7.9	10.7	8.0	10.7	8.0	10.8	8.0	11.1	8.2	11.0	8.1	10.6	7.9	10.3	7.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.1	7.0	8.9	6.9	8.8	6.8	8.7	6.7	8.7	6.7	8.6	6.6	8.6	6.6	8.5	6.5	8.5	6.5	8.4	6.4	8.4	6.4	8.5	6.5	8.8	6.7	9.1	6.9	9.4	7.2	9.7	7.4	9.8	7.5	10.0	7.6	9.9	7.6	10.0	7.7	9.9	7.7	9.9	7.6	9.6	7.4	9.3	7.2
NE	10.3	7.7	10.2	7.5	10.1	7.4	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.8	7.2	9.7	7.1	9.7	7.1	9.7	7.1	9.8	7.1	10.1	7.3	11.1	7.9	11.5	8.2	11.4	8.2	11.1	8.2	11.2	8.3	11.2	8.3	11.3	8.4	11.2	8.3	11.1	8.3	10.9	8.1	10.6	7.9
E	11.7	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.4	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.2	7.8	11.1	7.8	11.1	7.8	11.2	7.8	11.6	8.0	12.8	8.8	13.4	9.2	13.3	9.2	13.2	9.2	12.9	9.1	12.6	9.0	12.7	9.1	12.6	9.0	12.6	9.0	12.3	8.8	12.0	8.6
SE	11.7	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.1	7.8	11.2	7.8	11.5	8.0	12.5	8.6	13.2	9.1	13.3	9.2	13.4	9.3	13.3	9.3	13.0	9.2	12.7	9.1	12.6	9.0	12.5	9.0	12.3	8.8	12.0	8.6
S	11.5	8.3	11.3	8.1	11.3	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	10.9	7.7	10.9	7.7	11.2	7.9	11.6	8.1	12.1	8.6	12.5	8.8	12.8	9.0	13.1	9.2	13.2	9.3	13.2	9.3	12.9	9.2	12.5	8.9	12.1	8.7	11.8	8.5
SW	11.9	8.4	11.7	8.3	11.6	8.2	11.5	8.1	11.4	8.1	11.4	8.0	11.3	8.0	11.3	7.9	11.2	7.9	11.2	7.8	11.2	7.8	11.2	7.8	11.5	8.0	11.9	8.3	12.2	8.6	12.5	8.8	12.6	8.9	13.0	9.2	13.4	9.4	13.8	9.6	13.9	9.7	13.4	9.4	12.6	8.9	12.1	8.6
W	11.5	8.3	11.2	8.1	11.1	8.0	11.1	7.9	11.0	7.9	11.0	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.6	10.8	7.6	10.8	7.6	11.1	7.8	11.4	8.1	11.8	8.4	12.1	8.6	12.2	8.7	12.3	8.8	12.6	9.0	13.2	9.3	13.5	9.5	13.2	9.3	12.3	8.8	11.8	8.4
NW	10.1	7.5	9.8	7.4	9.7	7.3	9.7	7.2	9.6	7.2	9.6	7.1	9.5	7.0	9.5	7.0	9.4	7.0	9.4	6.9	9.3	6.9	9.4	6.9	9.7	7.1	10.0	7.4	10.4	7.7	10.6	7.9	10.7	8.0	10.9	8.1	10.9	8.1	11.0	8.2	11.4	8.4	11.4	8.4	10.8	8.0	10.3	7.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.1	7.0	8.8	6.9	8.7	6.8	8.6	6.7	8.6	6.6	8.5	6.6	8.4	6.5	8.4	6.4	8.3	6.4	8.3	6.3	8.3	6.3	8.4	6.4	8.7	6.6	9.1	6.9	9.5	7.3	9.8	7.5	9.9	7.6	10.1	7.8	10.1	7.8	10.2	7.9	10.1	7.8	10.0	7.7	9.7	7.5	9.4	7.3
NE	10.3	7.6	10.1	7.5	10.0	7.4	9.9	7.3	9.8	7.2	9.8	7.2	9.7	7.1	9.6	7.1	9.6	7.0	9.5	7.0	9.5	6.9	9.6	7.0	10.0	7.3	11.2	7.9	11.7	8.3	11.5	8.3	11.3	8.3	11.4	8.4	11.4	8.4	11.4	8.5	11.4	8.5	11.3	8.4	11.0	8.1	10.6	7.9
E	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.0	7.8	11.0	7.7	10.9	7.7	10.9	7.6	11.0	7.7	11.5	8.0	12.9	8.8	13.7	9.3	13.6	9.4	13.4	9.3	13.1	9.2	12.8	9.1	12.8	9.2	12.8	9.2	12.7	9.1	12.4	8.8	12.0	8.6
SE	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.2	7.9	11.1	7.9	11.1	7.8	11.0	7.8	11.0	7.7	10.9	7.7	10.9	7.6	11.0	7.7	11.4	7.9	12.6	8.6	13.4	9.2	13.5	9.4	13.6	9.4	13.6	9.5	13.1	9.3	12.8	9.2	12.7	9.1	12.7	9.1	12.4	8.8	12.0	8.6
S	11.5	8.2	11.3	8.1	11.2	8.0	11.1	7.9	11.0	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.6	10.7	7.5	10.7	7.5	10.8	7.6	11.1	7.8	11.5	8.1	12.2	8.6	12.7	8.9	13.1	9.2	13.4	9.4	13.4	9.4	13.4	9.5	13.1	9.3	12.6	9.0	12.2	8.7	11.8	8.5
SW	11.8	8.4	11.6	8.2	11.5	8.1	11.4	8.1	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.7	11.0	7.7	11.1	7.7	11.4	7.9	11.8	8.3	12.2	8.6	12.6	8.9	12.7	9.0	13.2	9.3	13.7	9.6	14.2	9.9	14.3	9.9	13.7	9.6	12.7	9.0	12.1	8.7
W	11.5	8.3	11.2	8.0	11.0	7.9	11.0	7.8	10.9	7.8	10.8	7.7	10.8	7.6	10.7	7.6	10.7	7.5	10.6	7.5	10.6	7.5	10.7	7.5	11.0	7.7	11.4	8.1	11.8	8.4	12.1	8.7	12.3	8.8	12.4	8.9	12.7	9.1	13.5	9.5	13.9	9.7	13.5	9.5	12.5	8.9	11.8	8.5
NW	10.1	7.6	9.8	7.3	9.7	7.2	9.6	7.2	9.5	7.1	9.4	7.0	9.4	7.0	9.3	6.9	9.3	6.8	9.2	6.8	9.2	6.8	9.3	6.8	9.6	7.0	10.0	7.4	10.4	7.7	10.7	8.0	10.9	8.1	11.1	8.2	11.0	8.2	11.2	8.4	11.7	8.6	11.6	8.5	10.9	8.1	10.4	7.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.4	6.4	13.3	6.3	13.3	6.3	13.2	6.2	13.2	6.2	13.1	6.1	13.1	6.1	13.1	6.1	13.0	6.0	13.0	6.0	13.1	6.0	13.4	6.2	14.0	6.6	14.4	6.9	14.8	7.1	15.1	7.3	15.3	7.4	15.4	7.5	15.4	7.5	15.2	7.4	14.8	7.2	14.3	7.0	13.9	6.7	13.6	6.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BURDUR (37.43)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																									
N	7.8	6.2	7.6	6.0	7.4	5.7	7.2	5.6	7.0	5.4	6.8	5.2	6.6	5.0	6.5	4.9	6.4	4.8	6.7	4.9	7.7	5.6	9.0	6.6	10.3	7.8	11.3	8.5	11.7	8.8	12.2	9.4	12.2	9.4	12.4	9.7	12.2	9.6	11.9	9.3	11.0	8.6	9.9	7.8	8.9	7.1	8.2	6.6
NE	8.9	6.7	8.6	6.5	8.4	6.3	8.2	6.1	8.0	5.9	7.8	5.7	7.7	5.5	7.5	5.4	7.4	5.3	7.8	5.5	9.1	6.3	12.7	8.5	14.2	9.7	13.8	9.8	13.0	9.5	13.3	9.9	13.2	9.9	13.4	10.2	13.3	10.1	13.0	9.8	12.0	9.1	10.8	8.3	9.8	7.5	9.2	7.1
E	10.1	7.3	9.8	7.1	9.6	6.8	9.4	6.7	9.2	6.5	9.0	6.3	8.8	6.1	8.7	6.0	8.6	5.9	9.0	6.1	10.3	6.9	15.0	9.6	17.3	11.3	17.0	11.3	16.4	11.2	15.4	10.9	14.4	10.5	14.6	10.8	14.4	10.7	14.1	10.4	13.2	9.7	12.0	8.9	11.0	8.1	10.4	7.7
SE	10.0	7.3	9.8	7.1	9.5	6.8	9.3	6.6	9.1	6.4	9.0	6.3	8.8	6.1	8.6	5.9	8.6	5.9	8.9	6.0	10.1	6.8	13.8	9.0	16.4	10.8	16.9	11.3	17.2	11.6	16.9	11.7	15.6	11.1	14.6	10.8	14.4	10.7	14.1	10.4	13.1	9.7	11.9	8.9	10.9	8.1	10.4	7.6
S	9.9	7.2	9.6	7.0	9.4	6.8	9.2	6.6	9.0	6.4	8.8	6.2	8.7	6.0	8.5	5.9	8.4	5.8	8.6	5.9	9.7	6.6	11.0	7.6	13.1	9.2	14.7	10.2	15.9	10.9	16.9	11.7	17.1	11.8	17.0	12.0	16.1	11.5	14.5	10.6	13.0	9.6	11.8	8.8	10.8	8.0	10.2	7.6
SW	10.1	7.4	9.9	7.1	9.6	6.9	9.5	6.7	9.2	6.5	9.1	6.3	8.9	6.2	8.8	6.0	8.7	5.9	8.9	6.0	9.9	6.7	11.3	7.8	12.6	8.9	13.6	9.6	13.9	10.0	15.7	11.1	17.2	11.9	18.7	12.8	19.1	13.0	17.1	11.9	14.2	10.2	12.3	9.0	11.3	8.3	10.5	7.7
W	9.8	7.2	9.5	6.9	9.3	6.7	9.1	6.5	8.9	6.3	8.7	6.1	8.6	6.0	8.4	5.8	8.3	5.7	8.5	5.9	9.6	6.6	10.9	7.6	12.3	8.7	13.2	9.5	13.6	9.8	14.2	10.3	15.1	10.9	17.4	12.2	18.8	12.9	17.4	12.0	14.2	10.2	12.1	8.9	11.2	8.2	10.1	7.5
NW	8.6	6.6	8.4	6.4	8.1	6.1	8.0	5.9	7.7	5.7	7.6	5.6	7.4	5.4	7.3	5.3	7.2	5.2	7.4	5.3	8.4	6.0	9.8	7.0	11.1	8.2	12.1	8.9	12.4	9.2	13.0	9.8	13.0	9.8	13.5	10.2	14.9	11.0	14.8	10.7	12.7	9.4	10.9	8.3	10.0	7.6	9.0	6.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																									
N	9.2	7.1	9.1	7.0	9.0	7.0	9.0	6.9	9.0	6.9	9.0	6.9	8.9	6.9	8.9	6.9	8.9	6.8	8.9	6.8	8.9	6.8	8.9	6.8	8.9	6.8	9.0	6.9	9.1	7.0	9.2	7.1	9.3	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.4	7.3	9.4	7.3	9.4	7.2	9.3	7.2
NE	10.5	7.7	10.4	7.7	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.3	7.6	10.7	7.8	10.8	7.9	10.8	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.8	7.9	10.7	7.9	10.7	7.9	10.6	7.8
E	12.0	8.5	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.8	8.3	12.3	8.6	12.5	8.7	12.5	8.7	12.4	8.7	12.3	8.7	12.2	8.6	12.2	8.7	12.2	8.7	12.2	8.6	12.1	8.6
SE	12.0	8.5	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.8	8.3	12.2	8.5	12.4	8.7	12.5	8.7	12.5	8.7	12.5	8.8	12.3	8.7	12.2	8.7	12.2	8.7	12.2	8.6	12.1	8.6
S	11.8	8.4	11.7	8.3	11.6	8.3	11.6	8.2	11.6	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.9	8.4	12.0	8.5	12.1	8.6	12.2	8.7	12.3	8.7	12.3	8.7	12.2	8.6	12.0	8.5	11.9	8.4
SW	12.1	8.5	12.0	8.5	11.9	8.4	11.9	8.4	11.9	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.2	11.8	8.3	11.9	8.3	12.0	8.4	12.1	8.5	12.2	8.6	12.3	8.6	12.4	8.7	12.6	8.8	12.7	8.9	12.8	8.9	12.6	8.8	12.3	8.7
W	11.7	8.3	11.6	8.3	11.5	8.2	11.5	8.2	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.3	8.0	11.4	8.1	11.6	8.2	11.7	8.3	11.8	8.4	11.8	8.4	11.9	8.5	12.0	8.5	12.2	8.6	12.3	8.7	12.2	8.6	11.9	8.5
NW	10.2	7.6	10.1	7.5	10.0	7.5	10.0	7.4	10.0	7.4	9.9	7.4	9.9	7.4	9.9	7.3	9.9	7.3	9.9	7.3	9.9	7.3	9.8	7.3	9.9	7.3	10.0	7.4	10.1	7.5	10.2	7.6	10.3	7.7	10.4	7.7	10.4	7.7	10.4	7.7	10.5	7.8	10.6	7.8	10.6	7.8	10.4	7.7
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																									
N	9.1	7.0	8.9	6.9	8.7	6.8	8.7	6.7	8.6	6.6	8.6	6.6	8.5	6.5	8.4	6.5	8.4	6.4	8.3	6.4	8.3	6.4	8.4	6.4	8.7	6.6	9.1	6.9	9.5	7.2	9.8	7.5	9.9	7.6	10.1	7.7	10.0	7.7	10.1	7.8	10.0	7.8	10.0	7.7	9.7	7.5	9.3	7.3
NE	10.3	7.6	10.1	7.5	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.7	7.2	9.7	7.1	9.6	7.1	9.6	7.0	9.6	7.0	9.7	7.0	10.1	7.3	11.1	7.9	11.6	8.3	11.5	8.3	11.2	8.2	11.3	8.3	11.3	8.3	11.4	8.4	11.3	8.4	11.2	8.3	10.9	8.1	10.6	7.9
E	11.7	8.4	11.5	8.2	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.7	11.0	7.7	11.1	7.8	11.5	8.0	12.9	8.8	13.6	9.3	13.5	9.3	13.3	9.3	13.0	9.2	12.7	9.0	12.8	9.1	12.7	9.1	12.6	9.0	12.3	8.8	12.0	8.6
SE	11.7	8.3	11.5	8.2	11.4	8.1	11.3	8.0	11.3	8.0	11.2	7.9	11.1	7.8	11.1	7.8	11.0	7.8	11.0	7.7	11.0	7.7	11.1	7.7	11.4	8.0	12.5	8.6	13.3	9.1	13.4	9.3	13.5	9.4	13.4	9.4	13.1	9.2	12.7	9.1	12.7	9.1	12.6	9.0	12.3	8.8	12.0	8.6
S	11.5	8.2	11.3	8.1	11.2	8.0	11.1	7.9	11.1	7.9	11.0	7.8	10.9	7.7	10.9	7.7	10.8	7.6	10.8	7.6	10.8	7.6	10.8	7.6	11.1	7.8	11.5	8.1	12.2	8.6	12.6	8.9	13.0	9.1	13.3	9.3	13.3	9.4	13.3	9.4	13.0	9.3	12.6	9.0	12.1	8.7	11.8	8.5
SW	11.8	8.4	11.6	8.3	11.5	8.2	11.4	8.1	11.4	8.0	11.3	8.0	11.2	7.9	11.2	7.8	11.1	7.8	11.1	7.8	11.1	7.7	11.1	7.8	11.4	8.0	11.8	8.3	12.2	8.6	12.5	8.8	12.6	8.9	13.2	9.3	13.6	9.5	14.0	9.8	14.1	9.8	13.6	9.5	12.7	9.0	12.1	8.7
W	11.5	8.3	11.2	8.0	11.1	7.9	11.0	7.9	10.9	7.8	10.9	7.8	10.8	7.7	10.8	7.6	10.7	7.6	10.7	7.5	10.7	7.5	10.7	7.6	11.0	7.8	11.4	8.1	11.8	8.4	12.1	8.6	12.2	8.7	12.4	8.9	12.7	9.0	13.3	9.4	13.7	9.6	13.3	9.4	12.4	8.8	11.8	8.5
NW	10.1	7.5	9.8	7.4	9.7	7.2	9.6	7.2	9.5	7.1	9.5	7.1	9.4	7.0	9.4	6.9	9.3	6.9	9.3	6.8	9.3	6.8	9.3	6.9	9.6	7.1	10.0	7.4	10.4	7.7	10.7	7.9	10.8	8.0	11.0	8.2	11.0	8.2	11.1	8.3	11.6	8.5	11.5	8.5	10.9	8.1	10.3	7.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																									
N	9.2	7.1	9.1	7.0	9.1	7.0	9.0	7.0	9.0	6.9	9.0	6.9	9.0	6.9	9.0	6.9	8.9	6.9	8.9	6.9	8.9	6.8	8.9	6.8	8.9	6.9	9.0	6.9	9.1	7.0	9.2	7.1	9.3	7.1	9.3	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.4	7.2	9.3	7.2	9.3	7.1
NE	10.5	7.7	10.4	7.7	10.4	7.6	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.5	10.3	7.5	10.3	7.5	10.2	7.5	10.2	7.5	10.3	7.5	10.4	7.6	10.7	7.8	10.8	7.8	10.7	7.9	10.7	7.8	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.6	7.8
E	12.0	8.5	11.9	8.4	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.8	8.3	11.9	8.3	12.2	8.5	12.4	8.7	12.4	8.7	12.3	8.7	12.3	8.6	12.2	8.6	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.5
SE	12.0	8.5	11.9	8.4	11.9	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.7	8.3	11.8	8.3	12.1	8.5	12.3	8.6	12.4	8.7	12.4	8.7	12.4	8.7	12.3	8.7	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.5
S	11.8	8.4	11.7	8.3	11.6	8.3	11.6	8.2	11.6	8.2	11.6	8.2	11.6	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.9	8.4	12.0	8.5	12.1	8.5	12.2	8.6	12.2	8.6	12.2	8.6	12.1	8.6	12.0	8.5	11.9	8.4
SW	12.1	8.5	12.0	8.5	12.0	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.8	8.3	11.9	8.4	12.0	8.4	12.1	8.5	12.2	8.6	12.2	8.6	12.4	8.7	12.5	8.8	12.6	8.8	12.6	8.8	12.5	8.8	12.2	8.6
W	11.7	8.3	11.6	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.8	8.4	11.8	8.4	11.8	8.4	11.9	8.5	12.1	8.6	12.2	8.6	12.1	8.6	11.8	8.4
NW	10.2	7.6	10.1	7.5	10.0	7.5	10.0	7.4	10.0	7.4	10.0	7.4	10.0	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.3	9.9	7.3	9.9	7.3	10.0	7.4	10.1	7.5	10.2	7.6	10.3	7.6	10.3	7.7	10.4	7.7	10.4	7.7	10.4	7.7	10.5	7.8	10.5	7.8	10.3	7.7
	R2 - 12cm Concrete+2 cm plaster																																									
R	6.8	3.1	6.4	2.7	6.0	2.3	5.6	1.9	5.3	1.6	5.0	1.2	4.8	1.1	5.5	1.5	8.9	3.5	15.8	7.7	22.6	12.1	26.3	14.5	29.9	16.6	32.5	18.4	33.3	18.9	33.1	19.2	30.5	17.9	24.3	14.5	17.7	10.7	13.1	8.0	10.2	6.0	8.6	4.8	7.8	4.1	7.3	3.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BURSA (40.11)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																														
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.5	6.4	8.3	6.3	8.1	6.1	8.1	6.0	7.9	5.8	7.7	5.6	7.6	5.5	7.5	5.4	7.4	5.3	7.3	5.3	7.6	5.5	8.4	6.0	9.1	6.5	9.8	7.1	10.4	7.5	10.8	7.9	11.2	8.2	11.4	8.4	11.4	8.5	11.3	8.4	10.9	8.1	10.3	7.8	9.9	7.4	9.1	6.9
NE	9.3	6.8	9.2	6.7	9.0	6.5	8.9	6.4	8.7	6.3	8.5	6.0	8.4	5.9	8.3	5.8	8.2	5.7	8.2	5.7	8.6	5.9	9.7	6.6	11.1	7.6	11.8	8.1	11.8	8.3	11.7	8.3	12.0	8.6	12.2	8.9	12.3	8.9	12.1	8.8	11.7	8.6	11.1	8.2	10.6	7.8	9.8	7.2
E	10.3	7.3	10.1	7.2	9.9	7.0	9.8	6.9	9.7	6.7	9.5	6.5	9.4	6.4	9.3	6.3	9.1	6.2	9.1	6.2	9.5	6.4	10.7	7.1	12.6	8.3	13.5	8.9	13.6	9.2	13.7	9.4	13.4	9.3	13.2	9.3	13.2	9.4	13.1	9.3	12.6	9.0	12.1	8.6	11.5	8.2	10.8	7.7
SE	10.3	7.3	10.1	7.2	9.9	7.0	9.8	6.9	9.7	6.7	9.4	6.5	9.4	6.4	9.3	6.3	9.1	6.2	9.1	6.2	9.4	6.4	10.4	7.0	12.0	8.0	13.2	8.8	13.6	9.1	14.1	9.5	14.1	9.7	13.7	9.6	13.2	9.4	13.0	9.3	12.6	9.0	12.1	8.6	11.5	8.2	10.8	7.7
S	9.9	7.1	9.8	7.0	9.6	6.8	9.5	6.7	9.3	6.6	9.1	6.3	9.0	6.2	8.9	6.1	8.8	6.0	8.8	6.0	9.0	6.2	9.7	6.6	10.5	7.3	11.5	7.9	12.4	8.6	13.2	9.1	13.8	9.5	13.9	9.7	13.8	9.7	13.3	9.4	12.6	9.0	11.7	8.5	11.1	8.1	10.4	7.5
SW	10.3	7.3	10.2	7.2	10.0	7.0	9.9	6.9	9.8	6.8	9.5	6.5	9.4	6.4	9.3	6.3	9.2	6.2	9.2	6.2	9.5	6.4	10.1	6.8	11.0	7.5	11.6	8.0	12.2	8.5	12.6	8.8	13.6	9.4	14.3	9.9	14.7	10.1	14.6	10.1	14.1	9.8	13.3	9.2	12.2	8.6	11.0	7.8
W	10.3	7.3	10.2	7.2	9.9	7.0	9.9	6.9	9.7	6.7	9.5	6.5	9.4	6.4	9.3	6.3	9.2	6.2	9.1	6.2	9.4	6.4	10.1	6.8	10.9	7.4	11.6	8.0	12.2	8.4	12.6	8.8	13.0	9.1	13.6	9.5	14.3	9.9	14.5	10.1	14.4	9.9	13.8	9.5	12.6	8.8	11.0	7.8
NW	9.4	6.8	9.2	6.7	9.0	6.5	8.9	6.4	8.8	6.3	8.6	6.0	8.5	6.0	8.4	5.9	8.3	5.7	8.2	5.7	8.5	5.9	9.2	6.4	10.0	7.0	10.7	7.5	11.3	8.0	11.7	8.3	12.0	8.7	12.3	8.9	12.4	9.0	12.8	9.2	12.8	9.1	12.4	8.8	11.5	8.2	10.1	7.4
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.1	6.8	8.9	6.6	8.9	6.6	8.8	6.5	8.8	6.5	8.8	6.5	8.7	6.4	8.7	6.3	8.6	6.3	8.6	6.3	8.6	6.3	8.7	6.3	8.9	6.5	9.1	6.7	9.4	6.8	9.5	7.0	9.7	7.1	9.8	7.2	9.9	7.3	9.9	7.3	9.8	7.3	9.7	7.2	9.5	7.1	9.4	7.0
NE	10.0	7.2	9.9	7.1	9.8	7.1	9.8	7.0	9.7	7.0	9.7	6.9	9.6	6.8	9.6	6.8	9.6	6.8	9.5	6.7	9.5	6.7	9.6	6.8	10.0	7.0	10.5	7.3	10.7	7.5	10.7	7.6	10.6	7.6	10.7	7.7	10.8	7.8	10.8	7.8	10.8	7.7	10.6	7.7	10.5	7.5	10.3	7.4
E	11.1	7.8	10.9	7.6	10.9	7.6	10.8	7.5	10.8	7.5	10.8	7.4	10.7	7.4	10.6	7.3	10.6	7.3	10.6	7.3	10.6	7.3	10.7	7.3	11.1	7.6	11.7	7.9	12.0	8.2	12.0	8.2	12.0	8.3	11.9	8.3	11.9	8.3	11.9	8.3	11.8	8.3	11.7	8.2	11.5	8.1	11.3	7.9
SE	11.1	7.8	10.9	7.6	10.9	7.6	10.8	7.5	10.8	7.5	10.7	7.4	10.7	7.4	10.6	7.3	10.6	7.3	10.6	7.3	10.6	7.3	10.7	7.3	11.0	7.5	11.5	7.9	11.9	8.1	12.0	8.2	12.2	8.4	12.2	8.4	12.0	8.4	11.9	8.3	11.8	8.3	11.7	8.2	11.5	8.1	11.3	7.9
S	10.7	7.6	10.5	7.4	10.5	7.4	10.4	7.3	10.4	7.3	10.4	7.2	10.3	7.2	10.2	7.1	10.2	7.1	10.2	7.1	10.2	7.1	10.3	7.1	10.5	7.3	10.7	7.5	11.1	7.7	11.3	7.9	11.6	8.1	11.8	8.2	11.8	8.3	11.8	8.3	11.6	8.2	11.4	8.0	11.1	7.9	10.9	7.7
SW	11.2	7.8	11.0	7.7	11.0	7.6	10.9	7.6	10.9	7.5	10.8	7.5	10.7	7.4	10.7	7.4	10.7	7.3	10.6	7.3	10.6	7.3	10.7	7.4	10.9	7.5	11.2	7.7	11.4	7.9	11.6	8.0	11.7	8.1	12.0	8.3	12.3	8.5	12.4	8.6	12.4	8.5	12.2	8.4	12.0	8.3	11.6	8.1
W	11.2	7.8	10.9	7.6	10.9	7.6	10.8	7.5	10.8	7.5	10.8	7.5	10.7	7.4	10.7	7.3	10.6	7.3	10.6	7.3	10.6	7.3	10.7	7.3	10.9	7.5	11.1	7.7	11.4	7.8	11.6	8.0	11.7	8.1	11.8	8.2	12.0	8.4	12.2	8.5	12.3	8.5	12.3	8.5	12.1	8.3	11.7	8.1
NW	10.2	7.3	9.9	7.1	9.9	7.1	9.8	7.0	9.8	7.0	9.8	7.0	9.7	6.9	9.6	6.8	9.6	6.8	9.6	6.8	9.6	6.8	9.7	6.8	9.9	7.0	10.1	7.2	10.4	7.3	10.5	7.5	10.7	7.6	10.8	7.7	10.9	7.8	10.9	7.8	11.0	7.9	11.0	7.9	10.9	7.8	10.6	7.6
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.1	6.8	8.9	6.6	8.8	6.5	8.7	6.5	8.7	6.4	8.6	6.3	8.5	6.2	8.5	6.2	8.4	6.2	8.4	6.1	8.4	6.1	8.5	6.2	8.8	6.4	9.1	6.7	9.4	6.9	9.7	7.1	9.9	7.2	10.0	7.4	10.1	7.5	10.1	7.5	10.1	7.5	9.9	7.4	9.7	7.2	9.5	7.0
NE	10.0	7.2	9.8	7.0	9.7	7.0	9.6	6.9	9.6	6.9	9.5	6.8	9.4	6.7	9.4	6.7	9.3	6.6	9.3	6.6	9.3	6.6	9.4	6.7	9.9	7.0	10.6	7.4	10.8	7.6	10.9	7.7	10.8	7.7	10.9	7.8	11.0	7.9	11.1	8.0	11.0	7.9	10.8	7.8	10.6	7.6	10.3	7.5
E	11.0	7.8	10.8	7.6	10.8	7.5	10.7	7.4	10.6	7.4	10.6	7.3	10.5	7.2	10.4	7.2	10.4	7.1	10.3	7.1	10.3	7.1	10.5	7.2	11.0	7.5	11.8	8.0	12.2	8.3	12.3	8.4	12.3	8.5	12.2	8.5	12.1	8.5	12.1	8.5	12.0	8.5	11.9	8.3	11.6	8.2	11.4	8.0
SE	11.0	7.7	10.8	7.6	10.8	7.5	10.7	7.4	10.6	7.4	10.6	7.3	10.5	7.2	10.4	7.2	10.4	7.1	10.3	7.1	10.3	7.1	10.5	7.2	10.9	7.4	11.6	7.9	12.1	8.2	12.3	8.4	12.5	8.6	12.5	8.6	12.3	8.6	12.1	8.5	12.0	8.5	11.8	8.3	11.6	8.2	11.4	8.0
S	10.7	7.6	10.4	7.4	10.4	7.3	10.3	7.2	10.2	7.2	10.2	7.1	10.1	7.0	10.0	7.0	10.0	6.9	9.9	6.9	9.9	6.9	10.0	7.0	10.3	7.2	10.7	7.4	11.1	7.7	11.5	8.0	11.9	8.2	12.1	8.4	12.2	8.5	12.1	8.5	11.9	8.4	11.6	8.2	11.2	8.0	11.0	7.8
SW	11.2	7.8	10.9	7.6	10.8	7.6	10.7	7.5	10.7	7.4	10.6	7.4	10.5	7.3	10.5	7.2	10.5	7.2	10.4	7.1	10.4	7.1	10.5	7.2	10.8	7.4	11.2	7.7	11.5	7.9	11.7	8.1	11.9	8.3	12.3	8.5	12.6	8.7	12.8	8.8	12.7	8.8	12.5	8.7	12.2	8.4	11.7	8.1
W	11.2	7.8	10.8	7.6	10.8	7.5	10.7	7.4	10.6	7.4	10.6	7.3	10.5	7.2	10.4	7.2	10.4	7.1	10.3	7.1	10.3	7.1	10.5	7.2	10.7	7.4	11.1	7.6	11.4	7.9	11.7	8.1	11.8	8.2	12.0	8.4	12.3	8.6	12.6	8.7	12.7	8.8	12.6	8.7	12.3	8.5	11.8	8.2
NW	10.2	7.3	9.8	7.1	9.8	7.0	9.7	6.9	9.7	6.9	9.6	6.8	9.5	6.7	9.4	6.7	9.4	6.7	9.4	6.6	9.3	6.6	9.5	6.7	9.8	6.9	10.1	7.1	10.4	7.4	10.7	7.6	10.8	7.7	11.0	7.9	11.1	8.0	11.2	8.0	11.3	8.1	11.3	8.1	11.2	7.9	10.8	7.7
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.1	6.8	8.8	6.6	8.7	6.5	8.6	6.4	8.6	6.3	8.5	6.3	8.4	6.1	8.3	6.1	8.3	6.1	8.2	6.0	8.2	6.0	8.4	6.1	8.8	6.3	9.1	6.6	9.5	6.9	9.8	7.2	10.0	7.3	10.2	7.5	10.3	7.6	10.3	7.7	10.3	7.6	10.0	7.5	9.8	7.3	9.5	7.1
NE	10.0	7.2	9.7	7.0	9.6	6.9	9.5	6.8	9.5	6.8	9.4	6.7	9.3	6.6	9.2	6.5	9.2	6.5	9.1	6.4	9.1	6.4	9.3	6.6	9.9	6.9	10.7	7.4	11.0	7.7	11.0	7.8	11.0	7.8	11.1	8.0	11.2	8.1	11.2	8.1	11.2	8.1	10.9	7.9	10.7	7.7	10.4	7.5
E	11.0	7.7	10.7	7.5	10.7	7.5	10.6	7.4	10.5	7.3	10.4	7.2	10.3	7.1	10.3	7.1	10.2	7.0	10.2	6.9	10.1	6.9	10.3	7.1	11.0	7.4	11.9	8.0	12.4	8.4	12.5	8.5	12.5	8.6	12.3	8.6	12.3	8.6	12.3	8.6	12.2	8.6	12.0	8.4	11.7	8.2	11.4	8.0
SE	11.0	7.7	10.7	7.5	10.7	7.5	10.6	7.4	10.5	7.3	10.4	7.2	10.3	7.1	10.3	7.1	10.2	7.0	10.1	6.9	10.1	6.9	10.3	7.0	10.8	7.4	11.7	7.9	12.2	8.3	12.5	8.5	12.7	8.7	12.7	8.8	12.5	8.7	12.3	8.6	12.2	8.6	12.0	8.4	11.7	8.2	11.4	8.0
S	10.6	7.6	10.4	7.3	10.3	7.3	10.2	7.2	10.1	7.1	10.1	7.0	9.9	6.9	9.9	6.9	9.8	6.8	9.8	6.8	9.8	6.7	9.9	6.8	10.2	7.1	10.7	7.4	11.2	7.8	11.7	8.1	12.1	8.4	12.4	8.6	12.4	8.7	12.4	8.7	12.1	8.6	11.7	8.3	11.3	8.0	11.0	7.8
SW	11.1	7.8	10.8	7.6	10.7	7.5	10.6	7.4	10.6	7.3	10.5	7.3	10.4	7.1	10.3	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.3	7.1	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.2	12.0	8.3	12.5	8.7	12.9	8.9	13.1	9.0	13.0	9.0	12.8	8.8	12.4	8.6	11.8	8.2
W	11.1	7.8	10.7	7.5	10.7	7.5	10.6	7.4	10.5	7.3	10.5	7.2	10.3	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.2	6.9	10.3	7.0	10.6	7.3	11.1	7.6	11.4	7.9	11.7	8.1	11.9	8.3	12.1	8.5	12.5	8.7	12.8	8.9	13.0	9.0	12.9	8.9	12.6	8.7	11.9	8.3
NW	10.2	7.3	9.8	7.0	9.7	7.0	9.6	6.9	9.5	6.8	9.5	6.8	9.3	6.6	9.3	6.6	9.3	6.5	9.2	6.5	9.2	6.5	9.3	6.6	9.7	6.8	10.1	7.1	10.4	7.4	10.8	7.6	11.0	7.8	11.2	8.0	11.3	8.1	11.4	8.2	11.5	8.3	11.5	8.2	11.3	8.1	10.9	7.8
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.9	6.6	12.8	6.6	12.8	6.5	12.7	6.5	12.7	6.5	12.6	6.4	12.6	6.4	12.6	6.4	12.5	6.3	12.5	6.3	12.6	6.4	13.0	6.6	13.5	6.9	13.9	7.2	14.2	7.4	14.5	7.6	14.7	7.7	14.7	7.8	14.7	7.7	14.5	7.6	14.2	7.5	13.8	7.2	13.4	7.0	13.1	6.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :BURSA (40.11)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.8	6.0	7.5	5.6	7.3	5.5	7.1	5.3	6.7	4.9	6.6	4.7	6.4	4.6	6.2	4.3	6.2	4.3	6.7	4.7	7.9	5.5	9.1	6.4	10.2	7.3	11.2	8.0	11.8	8.6	12.4	9.2	12.8	9.5	12.9	9.6	12.6	9.5	11.9	9.0	11.1	8.4	10.4	7.9	9.0	6.9	8.0	6.2
NE	8.6	6.3	8.2	6.0	8.1	5.9	7.9	5.6	7.5	5.2	7.3	5.1	7.2	4.9	6.9	4.7	6.9	4.7	7.6	5.1	9.4	6.2	11.8	7.8	12.8	8.6	12.9	8.9	12.7	9.1	13.2	9.5	13.6	9.9	13.6	10.0	13.4	9.9	12.7	9.4	11.8	8.8	10.8	8.1	9.6	7.2	8.8	6.5
E	9.4	6.8	9.1	6.4	8.9	6.3	8.7	6.1	8.3	5.7	8.2	5.5	8.0	5.4	7.8	5.1	7.8	5.1	8.4	5.5	10.4	6.7	13.4	8.6	15.0	9.7	15.1	10.0	15.3	10.4	14.7	10.3	14.4	10.3	14.5	10.5	14.2	10.3	13.5	9.8	12.7	9.2	11.7	8.5	10.5	7.7	9.6	7.0
SE	9.4	6.8	9.1	6.4	8.9	6.3	8.7	6.0	8.3	5.6	8.1	5.5	8.0	5.3	7.8	5.1	7.8	5.1	8.3	5.5	9.9	6.5	12.6	8.2	14.4	9.4	15.1	10.0	15.9	10.7	15.9	10.9	15.2	10.7	14.5	10.4	14.2	10.3	13.5	9.8	12.6	9.2	11.6	8.5	10.5	7.6	9.6	7.0
S	9.1	6.6	8.8	6.3	8.6	6.1	8.4	5.9	8.0	5.5	7.8	5.3	7.7	5.2	7.5	5.0	7.5	5.0	7.9	5.3	9.0	6.0	10.3	7.0	12.0	8.2	13.4	9.2	14.8	10.1	15.7	10.8	15.9	11.1	15.7	11.0	14.9	10.7	13.7	9.9	12.3	9.0	11.4	8.4	10.2	7.5	9.3	6.8
SW	9.5	6.8	9.2	6.5	9.0	6.3	8.8	6.1	8.4	5.7	8.2	5.5	8.1	5.4	7.9	5.2	7.8	5.1	8.3	5.4	9.4	6.2	10.7	7.2	11.8	8.1	12.8	8.9	13.5	9.4	15.0	10.5	16.2	11.2	16.8	11.6	16.7	11.5	15.9	11.0	14.6	10.2	12.7	9.1	10.7	7.8	9.7	7.0
W	9.4	6.8	9.1	6.4	8.9	6.3	8.7	6.1	8.3	5.7	8.2	5.5	8.0	5.4	7.8	5.1	7.8	5.1	8.2	5.4	9.3	6.2	10.7	7.2	11.8	8.1	12.8	8.8	13.4	9.4	14.0	10.0	15.1	10.7	16.2	11.3	16.6	11.5	16.4	11.3	15.4	10.6	13.4	9.4	10.9	7.9	9.6	7.0
NW	8.6	6.4	8.3	6.0	8.1	5.9	7.9	5.7	7.5	5.3	7.4	5.1	7.2	5.0	7.0	4.7	7.0	4.7	7.4	5.0	8.5	5.8	9.9	6.8	11.0	7.7	12.0	8.4	12.6	9.0	13.2	9.6	13.6	9.9	13.8	10.1	14.4	10.4	14.4	10.3	13.8	9.8	12.3	8.8	10.1	7.4	8.8	6.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.9	9.1	6.8	9.1	6.7	9.0	6.7	9.0	6.6	9.0	6.6	9.0	6.6	8.9	6.6	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.5	9.0	6.6	9.2	6.7	9.3	6.8	9.4	6.9	9.4	6.9	9.5	7.0	9.5	7.0	9.5	7.0	9.5	7.0	9.4	7.0	9.3	6.9
NE	10.2	7.3	10.1	7.2	10.0	7.2	10.0	7.1	9.9	7.1	9.9	7.1	9.9	7.1	9.9	7.0	9.9	7.0	9.8	7.0	9.8	7.0	9.8	7.0	9.9	7.0	10.1	7.1	10.3	7.3	10.4	7.4	10.4	7.4	10.4	7.4	10.4	7.5	10.5	7.5	10.5	7.5	10.4	7.5	10.4	7.4	10.3	7.4
E	11.3	7.9	11.2	7.8	11.1	7.7	11.1	7.7	11.0	7.7	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	10.9	7.6	10.9	7.5	10.9	7.5	11.0	7.6	11.2	7.7	11.5	7.9	11.6	8.0	11.6	8.0	11.6	8.0	11.6	8.0	11.6	8.0	11.6	8.0	11.5	8.0	11.5	8.0	11.4	7.9
SE	11.3	7.9	11.2	7.8	11.1	7.7	11.1	7.7	11.0	7.7	11.0	7.6	11.0	7.6	11.0	7.6	10.9	7.6	10.9	7.6	10.9	7.5	10.9	7.5	11.0	7.6	11.1	7.7	11.4	7.8	11.5	7.9	11.6	8.0	11.7	8.1	11.7	8.1	11.6	8.1	11.6	8.0	11.5	8.0	11.5	8.0	11.4	7.9
S	10.9	7.7	10.8	7.6	10.7	7.5	10.7	7.5	10.6	7.5	10.6	7.4	10.6	7.4	10.6	7.4	10.5	7.4	10.5	7.3	10.5	7.3	10.5	7.3	10.5	7.4	10.7	7.4	10.8	7.5	10.9	7.6	11.1	7.7	11.2	7.8	11.3	7.9	11.3	7.9	11.3	7.9	11.2	7.9	11.1	7.8	11.0	7.7
SW	11.5	7.9	11.3	7.8	11.2	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.1	7.7	11.3	7.8	11.4	7.8	11.5	7.9	11.5	8.0	11.7	8.1	11.8	8.1	11.8	8.2	11.8	8.2	11.8	8.1	11.6	8.0
W	11.5	7.9	11.2	7.8	11.1	7.7	11.1	7.7	11.1	7.7	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	10.9	7.6	10.9	7.5	10.9	7.5	11.0	7.6	11.1	7.6	11.2	7.7	11.3	7.8	11.4	7.9	11.5	7.9	11.5	8.0	11.6	8.1	11.7	8.1	11.8	8.1	11.7	8.1	11.6	8.1
NW	10.4	7.4	10.2	7.3	10.1	7.2	10.1	7.2	10.0	7.1	10.0	7.1	10.0	7.1	9.9	7.1	9.9	7.1	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.1	10.0	7.1	10.2	7.2	10.3	7.3	10.4	7.4	10.4	7.4	10.5	7.5	10.5	7.5	10.6	7.5	10.6	7.6	10.6	7.6	10.5	7.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.1	6.8	8.8	6.6	8.8	6.5	8.7	6.4	8.6	6.4	8.6	6.3	8.4	6.2	8.4	6.1	8.4	6.1	8.3	6.0	8.3	6.0	8.4	6.1	8.8	6.4	9.1	6.6	9.5	6.9	9.7	7.1	9.9	7.3	10.1	7.5	10.2	7.6	10.3	7.6	10.2	7.6	10.0	7.4	9.7	7.2	9.5	7.1
NE	10.0	7.2	9.7	7.0	9.7	7.0	9.6	6.9	9.5	6.8	9.5	6.8	9.3	6.6	9.3	6.6	9.3	6.6	9.2	6.5	9.2	6.5	9.4	6.6	9.9	6.9	10.6	7.4	10.9	7.6	10.9	7.7	10.9	7.8	11.0	7.9	11.2	8.0	11.2	8.1	11.1	8.0	10.9	7.9	10.6	7.7	10.3	7.5
E	11.0	7.7	10.8	7.5	10.7	7.5	10.6	7.4	10.6	7.3	10.5	7.3	10.4	7.2	10.3	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.4	7.1	11.0	7.5	11.9	8.0	12.4	8.3	12.4	8.4	12.5	8.6	12.3	8.5	12.2	8.5	12.2	8.6	12.1	8.5	11.9	8.4	11.7	8.2	11.4	8.0
SE	11.0	7.7	10.8	7.5	10.7	7.5	10.6	7.4	10.6	7.3	10.5	7.3	10.4	7.2	10.3	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.4	7.1	10.9	7.4	11.6	7.9	12.2	8.3	12.4	8.4	12.6	8.6	12.6	8.7	12.4	8.7	12.2	8.6	12.1	8.5	11.9	8.4	11.7	8.2	11.4	8.0
S	10.6	7.6	10.4	7.4	10.3	7.3	10.2	7.2	10.2	7.1	10.1	7.1	10.0	7.0	9.9	6.9	9.9	6.9	9.8	6.8	9.8	6.8	10.0	6.9	10.3	7.1	10.7	7.4	11.2	7.8	11.6	8.1	12.0	8.3	12.3	8.5	12.3	8.6	12.3	8.6	12.0	8.5	11.7	8.3	11.3	8.0	11.0	7.8
SW	11.1	7.8	10.8	7.6	10.8	7.5	10.7	7.4	10.6	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.4	7.1	10.3	7.0	10.3	7.0	10.4	7.1	10.7	7.3	11.1	7.6	11.5	7.9	11.8	8.1	12.0	8.3	12.4	8.6	12.8	8.8	12.9	8.9	12.9	8.9	12.7	8.8	12.3	8.5	11.7	8.2
W	11.1	7.8	10.8	7.5	10.7	7.5	10.6	7.4	10.6	7.3	10.5	7.3	10.4	7.2	10.3	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.4	7.1	10.7	7.3	11.1	7.6	11.4	7.9	11.7	8.1	11.9	8.3	12.1	8.4	12.4	8.6	12.7	8.8	12.8	8.9	12.8	8.8	12.5	8.6	11.9	8.3
NW	10.2	7.3	9.8	7.1	9.7	7.0	9.6	6.9	9.6	6.9	9.5	6.8	9.4	6.7	9.4	6.6	9.3	6.6	9.3	6.5	9.2	6.5	9.4	6.6	9.7	6.8	10.1	7.1	10.4	7.4	10.7	7.6	10.9	7.8	11.1	7.9	11.2	8.1	11.3	8.1	11.4	8.2	11.4	8.2	11.3	8.0	10.8	7.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.8	9.1	6.8	9.1	6.7	9.1	6.7	9.0	6.7	9.0	6.6	9.0	6.6	9.0	6.6	9.0	6.6	8.9	6.6	8.9	6.6	8.9	6.6	9.0	6.6	9.1	6.6	9.2	6.7	9.2	6.8	9.3	6.8	9.4	6.9	9.4	6.9	9.4	7.0	9.5	7.0	9.4	7.0	9.4	6.9	9.3	6.9
NE	10.2	7.3	10.1	7.2	10.0	7.2	10.0	7.2	10.0	7.1	10.0	7.1	10.0	7.1	9.9	7.1	9.9	7.1	9.9	7.1	9.9	7.0	9.9	7.0	9.9	7.1	10.1	7.1	10.3	7.3	10.3	7.3	10.3	7.4	10.3	7.4	10.4	7.4	10.4	7.4	10.4	7.4	10.4	7.4	10.3	7.4	10.3	7.4
E	11.3	7.8	11.2	7.8	11.1	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.0	7.7	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.2	7.7	11.4	7.8	11.5	7.9	11.6	8.0	11.6	8.0	11.5	8.0	11.5	8.0	11.5	8.0	11.5	8.0	11.4	7.9	11.4	7.9
SE	11.3	7.8	11.2	7.8	11.1	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.1	7.7	11.3	7.8	11.5	7.9	11.5	8.0	11.6	8.0	11.6	8.0	11.6	8.0	11.5	8.0	11.5	8.0	11.4	7.9	11.4	7.9
S	10.9	7.6	10.8	7.6	10.7	7.5	10.7	7.5	10.7	7.5	10.7	7.5	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.7	7.5	10.8	7.5	10.9	7.6	11.0	7.7	11.1	7.8	11.2	7.8	11.2	7.9	11.2	7.8	11.1	7.8	11.1	7.8	10.9	7.7
SW	11.4	7.9	11.3	7.8	11.2	7.8	11.2	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.0	7.6	11.0	7.6	11.1	7.6	11.2	7.7	11.3	7.8	11.4	7.8	11.4	7.9	11.5	7.9	11.6	8.0	11.7	8.1	11.7	8.1	11.7	8.1	11.7	8.1	11.6	8.0
W	11.4	7.9	11.2	7.8	11.1	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.1	7.7	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.1	7.7	11.2	7.7	11.3	7.8	11.4	7.9	11.4	7.9	11.5	8.0	11.6	8.0	11.6	8.1	11.7	8.1	11.7	8.1	11.6	8.0
NW	10.4	7.4	10.2	7.3	10.1	7.2	10.1	7.2	10.1	7.2	10.0	7.2	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	9.9	7.1	10.0	7.1	10.1	7.1	10.2	7.2	10.3	7.3	10.3	7.4	10.4	7.4	10.4	7.4	10.5	7.5	10.5	7.5	10.5	7.5	10.5	7.5	10.5	7.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.4	4.1	4.9	3.6	4.1	2.8	3.7	2.5	3.4	2.2	3.0	1.7	2.9	1.7	4.0	2.4	6.5	4.1	9.0	6.1	11.3	7.9	13.3	9.5	14.7	10.6	16.0	11.8	16.8	12.6	16.9	12.8	16.4	12.5	15.0	11.5	13.2	10.2	11.7	9.1	8.8	7.1	6.8	5.5	6.4	5.1	5.7	4.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ÇANAKKALE (40.09)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.5	6.2	8.3	6.0	8.2	5.9	8.1	5.8	8.0	5.7	7.8	5.5	7.7	5.4	7.7	5.4	7.6	5.3	7.5	5.3	7.7	5.4	8.4	5.8	9.1	6.3	9.6	6.7	10.1	7.0	10.5	7.3	10.7	7.5	10.9	7.7	10.9	7.7	10.8	7.8	10.5	7.6	10.2	7.4	10.0	7.2	9.5	6.8
NE	8.9	6.4	8.7	6.2	8.6	6.1	8.5	6.0	8.4	5.9	8.2	5.7	8.1	5.6	8.0	5.6	8.0	5.5	7.9	5.5	8.2	5.6	8.9	6.1	10.2	6.9	11.0	7.4	11.1	7.5	11.0	7.6	11.1	7.7	11.3	7.9	11.3	7.9	11.2	8.0	10.9	7.8	10.5	7.5	10.0	7.2	9.4	6.7
E	9.6	6.7	9.4	6.6	9.2	6.4	9.1	6.3	9.1	6.2	8.9	6.1	8.8	6.0	8.7	5.9	8.7	5.8	8.6	5.8	8.9	5.9	9.6	6.4	11.2	7.3	12.2	8.0	12.5	8.2	12.4	8.3	12.1	8.2	11.9	8.2	12.0	8.3	11.9	8.3	11.6	8.1	11.2	7.8	10.6	7.5	10.0	7.1
SE	9.6	6.7	9.4	6.6	9.2	6.4	9.1	6.3	9.0	6.2	8.9	6.1	8.8	6.0	8.7	5.9	8.6	5.8	8.6	5.8	8.8	5.9	9.5	6.4	10.8	7.1	11.9	7.8	12.4	8.2	12.6	8.4	12.6	8.5	12.3	8.4	11.9	8.3	11.9	8.3	11.6	8.1	11.1	7.8	10.6	7.5	10.0	7.1
S	9.3	6.6	9.1	6.4	9.0	6.3	8.9	6.2	8.8	6.1	8.6	5.9	8.5	5.8	8.5	5.8	8.4	5.7	8.3	5.7	8.5	5.8	9.1	6.2	9.8	6.7	10.6	7.2	11.3	7.7	11.9	8.1	12.3	8.3	12.5	8.5	12.4	8.5	12.2	8.4	11.5	8.1	10.9	7.7	10.4	7.4	9.8	6.9
SW	10.4	7.1	10.2	7.0	10.1	6.8	10.0	6.7	9.9	6.7	9.7	6.5	9.6	6.4	9.6	6.3	9.5	6.3	9.5	6.2	9.6	6.3	10.3	6.7	11.0	7.2	11.6	7.6	12.0	8.0	12.4	8.3	13.0	8.7	13.6	9.0	14.0	9.3	14.3	9.5	14.1	9.4	13.5	9.0	12.6	8.4	11.5	7.8
W	10.9	7.4	10.7	7.2	10.6	7.1	10.5	7.0	10.4	6.9	10.2	6.7	10.1	6.6	10.1	6.6	10.0	6.5	10.0	6.5	10.1	6.6	10.8	7.0	11.5	7.5	12.1	7.9	12.5	8.2	12.9	8.5	13.1	8.7	13.6	9.0	14.3	9.5	14.9	9.8	15.1	9.9	14.7	9.6	13.9	9.1	12.8	8.5
NW	9.9	6.9	9.8	6.8	9.6	6.6	9.6	6.5	9.5	6.5	9.3	6.3	9.2	6.2	9.1	6.1	9.1	6.1	9.0	6.0	9.2	6.1	9.8	6.5	10.5	7.0	11.1	7.4	11.6	7.8	12.0	8.1	12.2	8.3	12.3	8.4	12.6	8.6	13.1	8.9	13.3	9.0	13.3	8.9	12.8	8.6	11.9	8.0
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.2	6.6	8.9	6.4	8.8	6.3	8.8	6.3	8.8	6.2	8.7	6.2	8.7	6.2	8.7	6.1	8.6	6.1	8.6	6.1	8.6	6.1	8.7	6.1	8.9	6.2	9.1	6.4	9.3	6.5	9.4	6.6	9.5	6.7	9.6	6.8	9.7	6.8	9.7	6.9	9.6	6.9	9.5	6.8	9.5	6.7	9.4	6.7
NE	9.5	6.7	9.3	6.6	9.3	6.5	9.2	6.5	9.2	6.5	9.2	6.4	9.1	6.4	9.1	6.3	9.1	6.3	9.0	6.3	9.0	6.3	9.1	6.3	9.3	6.5	9.8	6.7	10.0	6.9	10.1	7.0	10.0	7.0	10.1	7.0	10.1	7.1	10.1	7.1	10.1	7.1	10.0	7.0	9.8	6.9	9.7	6.8
E	10.2	7.1	10.1	7.0	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.9	6.7	10.1	6.9	10.6	7.1	10.9	7.4	11.0	7.4	11.0	7.5	10.9	7.4	10.8	7.4	10.9	7.5	10.8	7.5	10.7	7.4	10.6	7.3	10.4	7.2
SE	10.2	7.1	10.1	7.0	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	10.1	6.8	10.5	7.1	10.8	7.3	11.0	7.4	11.1	7.5	11.1	7.5	11.0	7.5	10.9	7.5	10.8	7.5	10.7	7.4	10.6	7.3	10.4	7.2
S	9.9	6.9	9.8	6.8	9.7	6.8	9.7	6.7	9.7	6.7	9.6	6.7	9.6	6.6	9.5	6.6	9.5	6.5	9.5	6.5	9.5	6.5	9.5	6.5	9.7	6.7	10.0	6.8	10.2	7.0	10.4	7.1	10.6	7.3	10.8	7.4	10.8	7.4	10.8	7.4	10.7	7.4	10.5	7.3	10.3	7.2	10.1	7.1
SW	11.4	7.6	11.0	7.4	11.0	7.4	10.9	7.3	10.9	7.3	10.9	7.3	10.8	7.2	10.8	7.2	10.8	7.2	10.7	7.1	10.7	7.1	10.8	7.2	11.0	7.3	11.2	7.4	11.4	7.6	11.5	7.7	11.7	7.8	11.9	7.9	12.1	8.0	12.2	8.1	12.3	8.2	12.2	8.1	12.0	8.0	11.7	7.8
W	12.2	8.0	11.6	7.7	11.5	7.7	11.5	7.6	11.5	7.6	11.4	7.5	11.4	7.5	11.3	7.5	11.3	7.4	11.3	7.4	11.3	7.4	11.3	7.4	11.5	7.6	11.8	7.7	12.0	7.9	12.1	8.0	12.2	8.1	12.3	8.1	12.5	8.2	12.7	8.4	12.9	8.5	12.9	8.5	12.8	8.4	12.6	8.3
NW	11.2	7.5	10.5	7.2	10.5	7.1	10.4	7.1	10.4	7.1	10.4	7.0	10.3	7.0	10.3	6.9	10.3	6.9	10.3	6.9	10.2	6.9	10.3	6.9	10.5	7.1	10.7	7.2	10.9	7.3	11.1	7.5	11.2	7.6	11.3	7.6	11.3	7.7	11.4	7.7	11.6	7.8	11.6	7.9	11.6	7.8	11.4	7.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.3	6.6	8.8	6.3	8.8	6.3	8.7	6.2	8.6	6.2	8.6	6.1	8.5	6.0	8.5	6.0	8.5	6.0	8.4	5.9	8.4	5.9	8.5	6.0	8.8	6.2	9.1	6.4	9.3	6.6	9.5	6.7	9.7	6.8	9.8	6.9	9.9	7.0	9.9	7.0	9.8	7.0	9.7	6.9	9.6	6.9	9.5	6.8
NE	9.5	6.7	9.2	6.5	9.2	6.5	9.1	6.4	9.1	6.4	9.0	6.3	9.0	6.3	8.9	6.2	8.9	6.2	8.9	6.2	8.8	6.1	9.0	6.2	9.3	6.4	9.9	6.8	10.2	7.0	10.2	7.1	10.2	7.1	10.2	7.1	10.3	7.2	10.3	7.2	10.3	7.2	10.1	7.1	10.0	7.0	9.7	6.9
E	10.2	7.1	10.0	6.9	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.7	6.6	9.7	6.6	9.6	6.6	9.6	6.5	9.6	6.5	9.7	6.6	10.0	6.8	10.7	7.2	11.2	7.5	11.3	7.6	11.2	7.6	11.1	7.6	11.0	7.6	11.0	7.6	11.0	7.6	10.9	7.5	10.7	7.4	10.5	7.3
SE	10.2	7.1	10.0	6.9	9.9	6.8	9.8	6.8	9.8	6.7	9.8	6.7	9.7	6.6	9.7	6.6	9.6	6.6	9.6	6.5	9.6	6.5	9.7	6.6	10.0	6.8	10.5	7.1	11.0	7.4	11.2	7.6	11.3	7.6	11.3	7.7	11.2	7.6	11.0	7.6	11.0	7.6	10.9	7.5	10.7	7.4	10.5	7.2
S	9.9	6.9	9.7	6.8	9.6	6.7	9.6	6.6	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.4	9.3	6.4	9.3	6.4	9.3	6.4	9.4	6.4	9.6	6.6	9.9	6.8	10.3	7.0	10.6	7.2	10.9	7.4	11.0	7.5	11.1	7.6	11.1	7.6	11.0	7.6	10.7	7.4	10.4	7.3	10.2	7.1
SW	11.4	7.7	10.9	7.4	10.8	7.3	10.8	7.2	10.7	7.2	10.7	7.2	10.6	7.1	10.6	7.1	10.6	7.0	10.5	7.0	10.5	7.0	10.6	7.0	10.9	7.2	11.2	7.4	11.4	7.6	11.6	7.7	11.8	7.9	12.0	8.0	12.3	8.2	12.5	8.3	12.6	8.4	12.5	8.3	12.3	8.2	11.9	7.9
W	12.3	8.1	11.5	7.6	11.4	7.6	11.3	7.5	11.3	7.5	11.3	7.4	11.2	7.4	11.1	7.3	11.1	7.3	11.1	7.3	11.1	7.2	11.1	7.3	11.4	7.5	11.7	7.7	12.0	7.9	12.2	8.0	12.3	8.1	12.4	8.2	12.7	8.4	13.0	8.5	13.2	8.7	13.3	8.7	13.1	8.6	12.8	8.4
NW	11.3	7.6	10.4	7.1	10.4	7.1	10.3	7.0	10.3	7.0	10.2	6.9	10.2	6.9	10.1	6.8	10.1	6.8	10.1	6.8	10.0	6.7	10.1	6.8	10.4	7.0	10.7	7.2	11.0	7.4	11.2	7.5	11.3	7.6	11.4	7.7	11.5	7.8	11.6	7.9	11.8	8.0	11.9	8.0	11.9	8.0	11.7	7.9
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.3	6.6	8.8	6.3	8.7	6.2	8.6	6.2	8.6	6.1	8.5	6.1	8.4	6.0	8.4	5.9	8.3	5.9	8.3	5.9	8.3	5.8	8.4	5.9	8.7	6.1	9.1	6.4	9.4	6.6	9.6	6.8	9.8	6.9	9.9	7.0	10.0	7.1	10.0	7.1	10.0	7.1	9.8	7.0	9.7	6.9	9.6	6.8
NE	9.4	6.7	9.2	6.5	9.1	6.4	9.0	6.4	9.0	6.3	8.9	6.3	8.8	6.2	8.8	6.1	8.8	6.1	8.7	6.1	8.7	6.0	8.8	6.1	9.2	6.4	9.9	6.8	10.3	7.0	10.4	7.1	10.3	7.2	10.4	7.2	10.4	7.3	10.5	7.3	10.4	7.3	10.2	7.2	10.0	7.1	9.8	6.9
E	10.2	7.1	9.9	6.9	9.8	6.8	9.8	6.7	9.7	6.7	9.7	6.6	9.6	6.5	9.5	6.5	9.5	6.5	9.5	6.4	9.4	6.4	9.6	6.5	10.0	6.7	10.8	7.2	11.3	7.5	11.5	7.7	11.4	7.7	11.3	7.7	11.2	7.7	11.2	7.7	11.1	7.7	11.0	7.6	10.8	7.5	10.5	7.3
SE	10.2	7.1	9.9	6.9	9.8	6.8	9.8	6.7	9.7	6.7	9.7	6.6	9.6	6.5	9.5	6.5	9.5	6.5	9.5	6.4	9.4	6.4	9.5	6.5	9.9	6.7	10.6	7.1	11.1	7.5	11.4	7.7	11.5	7.8	11.5	7.8	11.3	7.8	11.2	7.7	11.1	7.7	11.0	7.6	10.8	7.5	10.5	7.3
S	9.9	6.9	9.6	6.7	9.5	6.7	9.5	6.6	9.4	6.5	9.4	6.5	9.3	6.4	9.2	6.4	9.2	6.3	9.2	6.3	9.1	6.3	9.2	6.3	9.6	6.5	9.9	6.8	10.3	7.0	10.7	7.3	11.0	7.5	11.2	7.6	11.3	7.7	11.3	7.7	11.1	7.7	10.8	7.5	10.5	7.3	10.2	7.1
SW	11.4	7.7	10.8	7.3	10.7	7.3	10.7	7.2	10.6	7.1	10.6	7.1	10.5	7.0	10.4	7.0	10.4	6.9	10.4	6.9	10.4	6.9	10.4	6.9	10.8	7.1	11.1	7.4	11.4	7.6	11.7	7.8	11.9	7.9	12.2	8.1	12.5	8.3	12.7	8.5	12.9	8.6	12.8	8.5	12.4	8.3	12.0	8.0
W	12.4	8.2	11.4	7.6	11.3	7.5	11.2	7.5	11.2	7.4	11.1	7.4	11.0	7.3	11.0	7.2	11.0	7.2	10.9	7.2	10.9	7.1	11.0	7.2	11.3	7.4	11.7	7.6	12.0	7.9	12.2	8.1	12.4	8.2	12.5	8.3	12.8	8.5	13.2	8.7	13.5	8.9	13.5	8.9	13.4	8.8	13.0	8.5
NW	11.4	7.7	10.4	7.1	10.3	7.0	10.2	7.0	10.2	6.9	10.1	6.9	10.0	6.8	10.0	6.7	9.9	6.7	9.9	6.7	9.9	6.6	10.0	6.7	10.3	6.9	10.7	7.1	11.0	7.4	11.2	7.6	11.4	7.7	11.5	7.8	11.6	7.9	11.7	8.0	12.0	8.1	12.1	8.2	12.1	8.1	11.8	8.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.7	6.3	12.6	6.2	12.6	6.2	12.5	6.2	12.5	6.2	12.5	6.1	12.4	6.1	12.4	6.1	12.4	6.0	12.4	6.0	12.5	6.1	12.8	6.2	13.2	6.5	13.6	6.7	13.9	6.9	14.1	7.1	14.3	7.2	14.4	7.2	14.3	7.2	14.2	7.2	14.0	7.1	13.7	6.9	13.3	6.7	12.9	6.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ÇANAKKALE (40.09)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.8	5.8	7.6	5.5	7.4	5.4	7.3	5.2	7.0	4.9	6.8	4.8	6.7	4.7	6.6	4.6	6.5	4.5	6.9	4.7	7.9	5.4	9.1	6.2	10.0	6.8	10.7	7.4	11.4	7.9	11.8	8.2	12.0	8.5	12.0	8.6	11.9	8.6	11.4	8.3	11.0	8.0	10.6	7.7	9.8	7.1	8.0	6.0
NE	8.1	5.9	7.9	5.7	7.8	5.5	7.6	5.4	7.3	5.1	7.2	5.0	7.1	4.9	7.0	4.8	6.9	4.7	7.3	4.9	8.5	5.7	10.7	7.0	11.9	7.8	12.1	8.1	12.0	8.2	12.1	8.4	12.3	8.6	12.4	8.8	12.3	8.8	11.7	8.5	11.1	8.0	10.2	7.5	9.2	6.8	8.4	6.2
E	8.7	6.2	8.5	6.0	8.4	5.8	8.2	5.7	7.9	5.4	7.8	5.3	7.7	5.2	7.6	5.1	7.5	5.0	7.9	5.2	9.2	6.0	11.7	7.5	13.4	8.6	13.9	9.0	13.8	9.1	13.2	9.0	12.9	8.9	13.0	9.1	12.9	9.1	12.3	8.8	11.7	8.3	10.8	7.8	9.8	7.1	9.1	6.5
SE	8.7	6.2	8.5	6.0	8.4	5.8	8.2	5.7	7.9	5.4	7.8	5.3	7.7	5.2	7.6	5.1	7.5	5.0	7.8	5.2	9.0	5.9	11.1	7.2	12.9	8.3	13.8	8.9	14.1	9.3	14.0	9.3	13.5	9.2	13.0	9.1	12.9	9.1	12.3	8.8	11.7	8.3	10.8	7.8	9.8	7.1	9.1	6.5
S	8.5	6.1	8.3	5.9	8.1	5.7	8.0	5.6	7.7	5.3	7.6	5.2	7.4	5.1	7.3	4.9	7.3	4.8	7.5	5.0	8.6	5.7	9.7	6.5	11.0	7.3	12.2	8.1	13.2	8.8	13.8	9.2	14.1	9.5	14.0	9.6	13.5	9.4	12.5	8.8	11.4	8.2	10.6	7.7	9.6	7.0	8.8	6.4
SW	9.5	6.6	9.3	6.4	9.1	6.2	9.0	6.1	8.7	5.8	8.5	5.7	8.4	5.5	8.3	5.4	8.3	5.4	8.5	5.5	9.6	6.2	10.7	7.0	11.7	7.7	12.5	8.3	13.1	8.7	14.0	9.4	15.1	10.0	15.8	10.5	16.2	10.8	15.8	10.5	14.8	9.9	13.3	9.0	11.6	7.9	9.8	6.8
W	10.0	6.8	9.7	6.6	9.6	6.5	9.4	6.3	9.1	6.0	9.0	5.9	8.9	5.8	8.8	5.7	8.7	5.6	9.0	5.7	10.0	6.4	11.2	7.2	12.1	7.9	12.9	8.5	13.5	9.0	13.9	9.3	14.7	9.8	15.8	10.5	16.8	11.1	17.1	11.1	16.5	10.8	15.3	10.0	13.4	8.8	10.2	7.1
NW	9.1	6.4	8.9	6.2	8.7	6.0	8.6	5.9	8.3	5.6	8.2	5.5	8.1	5.4	7.9	5.2	7.9	5.2	8.2	5.3	9.2	6.0	10.4	6.8	11.3	7.5	12.1	8.1	12.7	8.6	13.1	8.9	13.3	9.1	13.7	9.4	14.6	9.9	15.0	10.1	14.8	9.9	14.0	9.4	12.5	8.4	9.4	6.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.2	6.6	9.2	6.5	9.0	6.4	9.0	6.4	8.9	6.4	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	9.0	6.3	9.1	6.4	9.2	6.5	9.3	6.5	9.3	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.7	9.3	6.6	9.3	6.6
NE	9.6	6.7	9.5	6.7	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.5	6.6	9.7	6.7	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.9	9.8	6.9	9.8	6.9	9.8	6.8	9.7	6.8
E	10.4	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.2	7.0	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.2	7.0	10.5	7.1	10.6	7.2	10.7	7.2	10.7	7.3	10.6	7.2	10.6	7.2	10.6	7.3	10.6	7.3	10.5	7.2	10.5	7.2
SE	10.4	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.2	7.0	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.2	7.0	10.4	7.1	10.6	7.2	10.7	7.2	10.7	7.3	10.7	7.3	10.6	7.3	10.6	7.3	10.6	7.3	10.5	7.2	10.5	7.2
S	10.1	7.0	10.0	6.9	9.9	6.9	9.9	6.8	9.9	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.8	6.7	9.9	6.8	10.0	6.9	10.1	6.9	10.2	7.0	10.3	7.1	10.4	7.1	10.4	7.2	10.4	7.2	10.4	7.2	10.3	7.1	10.2	7.0
SW	11.5	7.7	11.3	7.6	11.2	7.5	11.1	7.5	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.0	7.4	11.0	7.4	11.0	7.3	11.1	7.4	11.2	7.4	11.3	7.5	11.4	7.6	11.4	7.6	11.5	7.7	11.6	7.7	11.7	7.8	11.7	7.8	11.8	7.9	11.8	7.8	11.7	7.8
W	12.2	8.1	12.1	7.9	11.7	7.8	11.7	7.8	11.7	7.7	11.7	7.7	11.7	7.7	11.6	7.7	11.6	7.7	11.6	7.7	11.6	7.6	11.6	7.6	11.6	7.6	11.7	7.7	11.8	7.8	11.9	7.9	12.0	7.9	12.1	8.0	12.1	8.0	12.2	8.0	12.3	8.1	12.4	8.2	12.4	8.2	12.4	8.1
NW	11.1	7.5	11.0	7.4	10.7	7.2	10.7	7.2	10.6	7.2	10.6	7.2	10.6	7.2	10.6	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.5	7.1	10.6	7.1	10.7	7.2	10.8	7.3	10.9	7.3	10.9	7.4	11.0	7.4	11.0	7.5	11.1	7.5	11.1	7.5	11.2	7.6	11.2	7.6	11.2	7.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.3	6.6	8.8	6.3	8.7	6.2	8.6	6.2	8.6	6.1	8.6	6.1	8.5	6.0	8.4	6.0	8.4	5.9	8.4	5.9	8.3	5.9	8.4	5.9	8.8	6.1	9.1	6.4	9.4	6.6	9.6	6.7	9.8	6.9	9.9	7.0	10.0	7.0	10.0	7.1	9.9	7.1	9.8	7.0	9.7	6.9	9.5	6.8
NE	9.5	6.7	9.2	6.5	9.1	6.5	9.1	6.4	9.0	6.3	9.0	6.3	8.9	6.2	8.9	6.2	8.8	6.1	8.8	6.1	8.8	6.1	8.9	6.1	9.2	6.4	9.9	6.8	10.3	7.0	10.3	7.1	10.3	7.1	10.3	7.2	10.4	7.3	10.4	7.3	10.4	7.3	10.2	7.2	10.0	7.1	9.8	6.9
E	10.2	7.1	10.0	6.9	9.9	6.8	9.8	6.7	9.7	6.7	9.7	6.7	9.6	6.6	9.6	6.5	9.5	6.5	9.5	6.5	9.5	6.4	9.6	6.5	10.0	6.7	10.7	7.2	11.3	7.5	11.4	7.6	11.3	7.7	11.2	7.6	11.1	7.6	11.1	7.7	11.1	7.7	10.9	7.6	10.7	7.4	10.5	7.3
SE	10.2	7.1	10.0	6.9	9.9	6.8	9.8	6.7	9.7	6.7	9.7	6.7	9.6	6.6	9.6	6.5	9.5	6.5	9.5	6.5	9.5	6.4	9.6	6.5	9.9	6.7	10.6	7.1	11.1	7.4	11.3	7.6	11.4	7.7	11.4	7.7	11.3	7.7	11.1	7.7	11.1	7.7	10.9	7.6	10.7	7.4	10.5	7.3
S	9.9	6.9	9.7	6.7	9.6	6.7	9.5	6.6	9.5	6.6	9.4	6.5	9.3	6.4	9.3	6.4	9.3	6.4	9.2	6.3	9.2	6.3	9.3	6.3	9.6	6.5	9.9	6.8	10.3	7.0	10.7	7.3	11.0	7.5	11.1	7.6	11.2	7.7	11.2	7.7	11.1	7.7	10.7	7.5	10.4	7.3	10.2	7.1
SW	11.4	7.7	10.9	7.3	10.8	7.3	10.7	7.2	10.7	7.2	10.6	7.1	10.5	7.0	10.5	7.0	10.5	7.0	10.4	6.9	10.4	6.9	10.5	7.0	10.8	7.2	11.1	7.4	11.4	7.6	11.7	7.8	11.8	7.9	12.1	8.1	12.4	8.3	12.6	8.4	12.8	8.5	12.7	8.4	12.4	8.3	11.9	8.0
W	12.3	8.1	11.4	7.6	11.3	7.6	11.3	7.5	11.2	7.4	11.2	7.4	11.1	7.3	11.0	7.3	11.0	7.2	11.0	7.2	11.0	7.2	11.0	7.2	11.3	7.4	11.7	7.7	12.0	7.9	12.2	8.0	12.4	8.2	12.5	8.3	12.7	8.4	13.1	8.6	13.4	8.8	13.4	8.8	13.3	8.7	12.9	8.5
NW	11.3	7.6	10.4	7.1	10.3	7.0	10.3	7.0	10.2	6.9	10.2	6.9	10.1	6.8	10.0	6.8	10.0	6.7	10.0	6.7	9.9	6.7	10.0	6.7	10.3	6.9	10.7	7.2	11.0	7.4	11.2	7.5	11.4	7.7	11.5	7.8	11.6	7.8	11.7	7.9	11.9	8.1	12.0	8.1	12.0	8.1	11.8	7.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.2	6.5	9.2	6.5	9.0	6.4	9.0	6.4	9.0	6.4	9.0	6.4	9.0	6.4	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	8.9	6.3	9.0	6.4	9.1	6.4	9.2	6.5	9.2	6.5	9.3	6.6	9.3	6.6	9.3	6.6	9.3	6.6	9.3	6.6	9.3	6.6	9.2	6.6
NE	9.6	6.7	9.5	6.7	9.5	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.5	9.4	6.5	9.3	6.5	9.3	6.5	9.4	6.5	9.5	6.6	9.6	6.7	9.7	6.8	9.8	6.8	9.7	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.7	6.8	9.7	6.8
E	10.4	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.2	7.0	10.2	7.0	10.2	7.0	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.2	7.0	10.4	7.1	10.6	7.2	10.6	7.2	10.6	7.2	10.6	7.2	10.5	7.2	10.5	7.2	10.5	7.2	10.5	7.2	10.4	7.2
SE	10.4	7.1	10.3	7.1	10.2	7.0	10.2	7.0	10.2	7.0	10.2	7.0	10.2	7.0	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.2	7.0	10.4	7.1	10.5	7.2	10.6	7.2	10.6	7.2	10.6	7.2	10.6	7.2	10.5	7.2	10.5	7.2	10.5	7.2	10.4	7.2
S	10.1	7.0	10.0	6.9	9.9	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.9	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.7	9.8	6.8	9.9	6.8	10.0	6.9	10.1	6.9	10.2	7.0	10.3	7.1	10.3	7.1	10.3	7.1	10.3	7.1	10.3	7.1	10.2	7.1	10.1	7.0
SW	11.5	7.7	11.3	7.6	11.2	7.5	11.2	7.5	11.2	7.5	11.2	7.5	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.2	7.4	11.3	7.5	11.4	7.6	11.4	7.6	11.5	7.6	11.5	7.7	11.6	7.7	11.7	7.8	11.7	7.8	11.7	7.8	11.6	7.7
W	12.2	8.0	12.0	7.9	11.8	7.8	11.8	7.8	11.7	7.8	11.7	7.7	11.7	7.7	11.7	7.7	11.7	7.7	11.7	7.7	11.7	7.7	11.7	7.7	11.7	7.7	11.8	7.7	11.9	7.8	11.9	7.9	12.0	7.9	12.0	7.9	12.1	8.0	12.1	8.0	12.2	8.1	12.3	8.1	12.3	8.1	12.3	8.1
NW	11.1	7.5	11.0	7.4	10.7	7.3	10.7	7.2	10.7	7.2	10.7	7.2	10.7	7.2	10.6	7.2	10.6	7.2	10.6	7.2	10.6	7.1	10.6	7.1	10.6	7.2	10.7	7.2	10.8	7.3	10.9	7.3	10.9	7.4	11.0	7.4	11.0	7.4	11.0	7.5	11.0	7.5	11.1	7.5	11.1	7.5	11.1	7.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.8	2.4	5.5	2.1	4.9	1.5	4.6	1.2	4.4	1.0	4.2	0.7	4.0	0.5	5.0	1.1	8.3	3.1	13.3	6.1	18.2	9.0	21.8	11.2	24.4	12.8	26.2	14.0	27.0	14.6	26.6	14.7	25.5	14.3	22.6	12.7	18.8	10.6	14.5	8.2	10.2	5.6	7.2	3.7	6.6	3.2	6.1	2.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ÇANKIRI (40.36)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.3	6.1	7.9	5.7	7.8	5.6	7.6	5.4	7.4	5.2	7.0	4.8	6.8	4.6	6.6	4.4	6.5	4.3	6.4	4.2	6.5	4.2	7.0	4.6	8.4	5.7	9.3	6.5	10.0	7.0	10.4	7.4	10.6	7.6	10.8	7.7	10.9	7.9	10.7	7.9	10.6	7.8	10.5	7.7	10.3	7.5	9.9	7.1
NE	9.5	6.7	8.3	5.9	8.2	5.8	8.0	5.6	7.9	5.4	7.4	5.0	7.2	4.8	7.1	4.6	7.0	4.5	6.8	4.4	6.9	4.4	7.5	4.8	9.3	6.1	10.9	7.2	11.4	7.7	11.1	7.7	11.1	7.8	11.2	8.0	11.3	8.1	11.2	8.1	11.1	8.0	10.7	7.8	10.1	7.4	9.4	6.8
E	13.0	8.4	9.7	6.6	9.6	6.5	9.4	6.3	9.3	6.1	8.8	5.7	8.6	5.5	8.5	5.3	8.3	5.2	8.2	5.1	8.3	5.1	8.9	5.5	10.9	6.9	12.8	8.2	13.8	8.9	13.5	9.0	12.9	8.7	12.6	8.7	12.7	8.8	12.6	8.8	12.5	8.7	12.1	8.5	11.5	8.0	10.8	7.5
SE	13.4	8.6	9.7	6.6	9.5	6.4	9.4	6.3	9.2	6.1	8.8	5.7	8.6	5.5	8.4	5.3	8.3	5.2	8.2	5.1	8.2	5.1	8.8	5.5	10.6	6.8	12.4	8.0	13.6	8.8	13.8	9.1	13.6	9.1	13.1	8.9	12.7	8.8	12.5	8.7	12.4	8.7	12.1	8.5	11.4	8.0	10.7	7.5
S	11.6	7.7	9.4	6.4	9.3	6.3	9.1	6.1	8.9	6.0	8.5	5.5	8.3	5.4	8.2	5.2	8.0	5.1	7.9	4.9	8.0	5.0	8.5	5.3	9.9	6.4	11.0	7.3	12.1	8.1	12.9	8.6	13.3	8.9	13.5	9.1	13.4	9.1	13.0	9.0	12.4	8.7	11.8	8.3	11.2	7.9	10.5	7.3
SW	10.8	7.3	10.3	6.9	10.2	6.8	10.0	6.6	9.9	6.4	9.4	6.0	9.2	5.8	9.1	5.7	9.0	5.5	8.9	5.4	8.9	5.4	9.4	5.8	10.8	6.9	11.8	7.7	12.4	8.2	12.9	8.6	13.6	9.1	14.4	9.6	14.9	9.9	15.5	10.2	14.9	9.9	14.2	9.6	13.6	9.1	12.4	8.3
W	11.4	7.7	11.0	7.3	10.9	7.1	10.7	6.9	10.6	6.8	10.1	6.3	9.9	6.2	9.8	6.0	9.7	5.9	9.5	5.8	9.6	5.8	10.1	6.2	11.5	7.2	12.5	8.0	13.1	8.6	13.5	9.0	13.8	9.2	14.4	9.6	15.3	10.1	16.4	10.7	16.1	10.5	15.7	10.3	15.6	10.1	14.6	9.4
NW	10.3	7.1	9.8	6.7	9.7	6.5	9.5	6.3	9.4	6.2	8.9	5.7	8.8	5.6	8.6	5.4	8.5	5.3	8.4	5.2	8.4	5.2	8.9	5.6	10.3	6.6	11.3	7.5	11.9	8.0	12.4	8.4	12.6	8.6	12.7	8.7	13.1	9.0	13.9	9.4	14.1	9.5	14.0	9.4	14.0	9.3	13.4	8.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.1	6.4	8.6	6.1	8.4	6.0	8.4	5.9	8.3	5.9	8.3	5.8	8.1	5.7	8.1	5.6	8.0	5.6	8.0	5.5	7.9	5.5	8.0	5.5	8.1	5.6	8.6	6.0	8.9	6.2	9.1	6.4	9.2	6.5	9.3	6.6	9.3	6.6	9.4	6.7	9.3	6.7	9.3	6.6	9.3	6.6	9.2	6.5
NE	9.2	6.5	9.3	6.5	8.9	6.2	8.9	6.2	8.8	6.1	8.8	6.1	8.6	5.9	8.6	5.9	8.5	5.8	8.5	5.8	8.4	5.7	8.5	5.7	8.6	5.9	9.2	6.3	9.7	6.6	9.9	6.8	9.8	6.8	9.8	6.8	9.8	6.9	9.9	6.9	9.8	6.9	9.8	6.9	9.7	6.8	9.5	6.7
E	10.8	7.3	11.5	7.6	10.5	7.0	10.4	6.9	10.4	6.9	10.3	6.8	10.2	6.7	10.1	6.6	10.1	6.6	10.0	6.5	10.0	6.5	10.0	6.5	10.2	6.7	10.8	7.1	11.5	7.5	11.8	7.7	11.7	7.7	11.5	7.7	11.4	7.7	11.4	7.7	11.4	7.7	11.3	7.7	11.2	7.6	11.0	7.5
SE	10.8	7.3	11.6	7.6	10.4	7.0	10.4	6.9	10.3	6.9	10.3	6.8	10.1	6.7	10.1	6.6	10.0	6.6	10.0	6.5	10.0	6.5	10.0	6.5	10.2	6.6	10.7	7.0	11.3	7.4	11.7	7.7	11.8	7.8	11.7	7.8	11.5	7.7	11.4	7.7	11.4	7.7	11.3	7.7	11.2	7.6	11.0	7.4
S	10.4	7.1	10.8	7.2	10.1	6.8	10.1	6.8	10.0	6.7	10.0	6.7	9.8	6.5	9.8	6.5	9.7	6.4	9.7	6.4	9.6	6.3	9.6	6.3	9.8	6.5	10.3	6.8	10.6	7.1	11.0	7.3	11.2	7.5	11.4	7.6	11.4	7.7	11.4	7.7	11.3	7.6	11.1	7.5	10.9	7.4	10.7	7.3
SW	11.8	7.8	11.3	7.5	11.1	7.3	11.1	7.3	11.0	7.2	11.0	7.2	10.8	7.0	10.8	7.0	10.7	6.9	10.7	6.9	10.7	6.9	10.7	6.9	10.9	7.0	11.3	7.3	11.6	7.6	11.8	7.8	11.9	7.9	12.2	8.0	12.5	8.2	12.6	8.3	12.8	8.4	12.6	8.3	12.4	8.2	12.2	8.0
W	13.0	8.4	12.0	7.8	11.9	7.7	11.9	7.7	11.8	7.6	11.8	7.6	11.6	7.4	11.6	7.4	11.5	7.3	11.5	7.3	11.4	7.2	11.5	7.2	11.6	7.4	12.1	7.7	12.4	8.0	12.6	8.1	12.7	8.3	12.8	8.3	13.0	8.5	13.3	8.6	13.6	8.8	13.6	8.8	13.4	8.7	13.4	8.6
NW	11.7	7.7	10.7	7.2	10.6	7.1	10.6	7.0	10.5	7.0	10.5	6.9	10.3	6.8	10.3	6.7	10.2	6.7	10.2	6.6	10.1	6.6	10.1	6.6	10.3	6.7	10.8	7.1	11.1	7.3	11.3	7.5	11.4	7.6	11.5	7.7	11.5	7.7	11.7	7.8	11.9	8.0	12.0	8.0	11.9	8.0	11.9	7.9
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.2	6.5	8.5	6.1	8.3	5.9	8.3	5.9	8.2	5.8	8.1	5.7	7.9	5.5	7.9	5.4	7.8	5.4	7.7	5.3	7.7	5.3	7.7	5.3	7.9	5.4	8.6	5.9	9.0	6.3	9.2	6.5	9.4	6.7	9.5	6.8	9.6	6.8	9.6	6.9	9.6	6.9	9.5	6.8	9.5	6.8	9.4	6.7
NE	9.3	6.6	9.3	6.5	8.8	6.2	8.8	6.1	8.7	6.0	8.6	6.0	8.4	5.8	8.3	5.7	8.3	5.6	8.2	5.6	8.2	5.5	8.2	5.5	8.5	5.7	9.3	6.3	9.9	6.7	10.1	7.0	10.0	7.0	10.0	7.0	10.1	7.1	10.1	7.1	10.1	7.1	10.0	7.1	9.9	7.0	9.6	6.8
E	10.8	7.3	11.8	7.7	10.3	6.9	10.3	6.9	10.2	6.8	10.1	6.7	9.9	6.5	9.9	6.4	9.8	6.4	9.7	6.3	9.7	6.3	9.7	6.3	10.0	6.5	10.8	7.1	11.7	7.6	12.1	7.9	12.0	7.9	11.7	7.9	11.6	7.8	11.6	7.9	11.6	7.9	11.5	7.8	11.4	7.8	11.1	7.6
SE	10.8	7.3	11.9	7.8	10.3	6.9	10.3	6.9	10.2	6.8	10.1	6.7	9.9	6.5	9.8	6.4	9.8	6.4	9.7	6.3	9.7	6.3	9.7	6.3	9.9	6.4	10.7	7.0	11.5	7.5	12.0	7.9	12.1	8.0	12.0	8.0	11.8	7.9	11.6	7.9	11.5	7.9	11.5	7.8	11.4	7.7	11.1	7.5
S	10.4	7.1	11.0	7.3	10.0	6.8	9.9	6.7	9.9	6.6	9.8	6.6	9.6	6.4	9.5	6.3	9.4	6.2	9.4	6.2	9.3	6.1	9.4	6.1	9.6	6.3	10.2	6.7	10.7	7.1	11.2	7.5	11.5	7.7	11.7	7.8	11.8	7.9	11.7	7.9	11.6	7.9	11.3	7.7	11.0	7.6	10.8	7.4
SW	11.9	7.9	11.2	7.4	11.0	7.3	11.0	7.2	10.9	7.1	10.8	7.1	10.6	6.9	10.5	6.8	10.5	6.7	10.4	6.7	10.4	6.6	10.4	6.6	10.6	6.8	11.2	7.2	11.6	7.6	11.9	7.8	12.1	8.0	12.4	8.2	12.8	8.4	13.0	8.6	13.3	8.7	13.0	8.6	12.7	8.4	12.4	8.2
W	13.3	8.6	11.9	7.8	11.8	7.6	11.7	7.6	11.6	7.5	11.6	7.4	11.4	7.2	11.3	7.2	11.2	7.1	11.2	7.0	11.1	7.0	11.1	7.0	11.4	7.2	12.0	7.6	12.4	8.0	12.7	8.2	12.9	8.4	12.9	8.5	13.2	8.6	13.6	8.9	14.1	9.1	14.0	9.1	13.8	9.0	13.7	8.9
NW	12.0	7.9	10.7	7.2	10.5	7.0	10.4	6.9	10.3	6.9	10.3	6.8	10.1	6.6	10.0	6.5	9.9	6.4	9.9	6.4	9.8	6.3	9.9	6.4	10.1	6.5	10.7	7.0	11.1	7.3	11.4	7.6	11.6	7.7	11.7	7.8	11.7	7.9	11.9	8.0	12.2	8.2	12.3	8.2	12.3	8.2	12.3	8.2
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.3	6.6	8.5	6.1	8.3	5.9	8.2	5.8	8.1	5.7	8.0	5.6	7.8	5.4	7.7	5.3	7.6	5.2	7.5	5.2	7.5	5.1	7.5	5.1	7.8	5.3	8.5	5.9	9.0	6.3	9.3	6.6	9.6	6.8	9.7	6.9	9.8	7.0	9.8	7.0	9.7	7.0	9.7	7.0	9.6	6.9	9.5	6.8
NE	9.3	6.6	9.4	6.5	8.7	6.1	8.7	6.1	8.6	6.0	8.5	5.9	8.3	5.6	8.2	5.6	8.1	5.5	8.0	5.4	8.0	5.3	8.0	5.4	8.3	5.6	9.3	6.2	10.1	6.8	10.3	7.1	10.2	7.1	10.2	7.1	10.2	7.2	10.3	7.3	10.2	7.3	10.2	7.2	10.0	7.1	9.7	6.9
E	10.8	7.3	12.0	7.8	10.2	6.9	10.2	6.8	10.1	6.7	10.0	6.6	9.8	6.4	9.7	6.3	9.6	6.2	9.5	6.2	9.5	6.1	9.5	6.1	9.8	6.3	10.8	7.0	11.9	7.7	12.4	8.1	12.2	8.1	11.9	8.0	11.7	8.0	11.8	8.0	11.7	8.0	11.7	8.0	11.5	7.9	11.2	7.6
SE	10.8	7.3	12.2	7.9	10.2	6.9	10.2	6.8	10.1	6.7	10.0	6.6	9.7	6.4	9.6	6.3	9.6	6.2	9.5	6.1	9.4	6.1	9.5	6.1	9.8	6.3	10.7	7.0	11.6	7.6	12.3	8.0	12.3	8.2	12.2	8.2	12.0	8.1	11.8	8.0	11.7	8.0	11.6	8.0	11.5	7.9	11.1	7.6
S	10.4	7.2	11.1	7.4	9.9	6.7	9.8	6.6	9.7	6.5	9.7	6.5	9.4	6.2	9.3	6.1	9.2	6.1	9.2	6.0	9.1	5.9	9.2	5.9	9.4	6.1	10.2	6.7	10.7	7.2	11.3	7.6	11.7	7.8	11.9	8.0	12.0	8.1	12.0	8.1	11.8	8.0	11.4	7.9	11.2	7.7	10.8	7.5
SW	12.0	7.9	11.1	7.4	10.9	7.2	10.8	7.1	10.7	7.0	10.7	7.0	10.4	6.7	10.3	6.6	10.3	6.6	10.2	6.5	10.1	6.4	10.2	6.4	10.4	6.6	11.2	7.2	11.7	7.6	12.0	7.9	12.2	8.1	12.6	8.3	13.0	8.6	13.3	8.8	13.6	8.9	13.3	8.8	12.9	8.6	12.6	8.3
W	13.5	8.7	11.9	7.8	11.7	7.6	11.6	7.5	11.5	7.4	11.4	7.3	11.2	7.1	11.1	7.0	11.0	6.9	10.9	6.9	10.9	6.8	10.9	6.8	11.2	7.0	11.9	7.6	12.4	8.0	12.7	8.3	13.0	8.5	13.1	8.6	13.4	8.8	13.9	9.1	14.4	9.4	14.3	9.3	14.1	9.2	14.0	9.1
NW	12.2	8.1	10.6	7.2	10.4	6.9	10.3	6.9	10.2	6.8	10.1	6.7	9.9	6.5	9.8	6.4	9.7	6.3	9.7	6.2	9.6	6.2	9.6	6.2	9.9	6.4	10.6	6.9	11.1	7.4	11.5	7.6	11.7	7.8	11.8	7.9	11.9	8.0	12.1	8.2	12.5	8.4	12.6	8.4	12.5	8.4	12.6	8.3
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.7	6.7	13.6	6.6	13.5	6.6	13.5	6.5	13.4	6.5	13.3	6.3	13.2	6.3	13.2	6.2	13.2	6.2	13.1	6.2	13.2	6.2	13.4	6.3	14.0	6.7	14.6	7.1	15.1	7.5	15.4	7.6	15.6	7.8	15.7	7.8	15.6	7.8	15.5	7.8	15.1	7.6	14.8	7.4	14.5	7.2	14.0	6.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ÇANKIRI (40.36)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.4	5.4	7.2	5.2	6.9	4.9	6.6	4.7	5.9	3.9	5.6	3.6	5.3	3.3	5.1	3.1	4.9	2.9	5.0	3.0	5.9	3.6	8.3	5.4	9.8	6.7	10.8	7.6	11.5	8.2	11.8	8.5	12.1	8.8	12.3	9.0	12.0	9.0	11.9	8.9	11.6	8.7	11.4	8.3	10.8	7.7	8.1	6.1
NE	7.8	5.6	7.6	5.4	7.3	5.1	7.0	4.9	6.3	4.1	6.0	3.8	5.7	3.5	5.5	3.3	5.3	3.1	5.5	3.2	6.4	3.9	9.4	6.0	11.9	7.8	12.8	8.6	12.3	8.6	12.2	8.7	12.5	9.0	12.7	9.2	12.4	9.2	12.3	9.1	11.7	8.7	10.7	8.0	9.5	7.1	9.8	6.9
E	9.0	6.2	8.8	6.0	8.5	5.7	8.3	5.5	7.5	4.7	7.2	4.4	7.0	4.2	6.8	4.0	6.6	3.8	6.7	3.8	7.7	4.5	10.9	6.7	14.2	8.9	15.7	10.1	15.3	10.1	14.3	9.7	13.7	9.6	13.9	9.8	13.7	9.8	13.5	9.7	13.0	9.4	11.9	8.6	10.7	7.7	14.5	9.3
SE	8.9	6.2	8.7	6.0	8.4	5.7	8.2	5.4	7.4	4.7	7.2	4.4	6.9	4.1	6.7	3.9	6.5	3.7	6.6	3.8	7.5	4.4	10.5	6.5	13.5	8.6	15.4	9.9	15.6	10.3	15.3	10.3	14.5	10.0	13.9	9.8	13.6	9.8	13.4	9.7	12.9	9.3	11.9	8.6	10.7	7.6	15.1	9.6
S	8.7	6.1	8.5	5.9	8.2	5.6	8.0	5.3	7.2	4.6	6.9	4.3	6.7	4.0	6.5	3.8	6.3	3.6	6.4	3.7	7.3	4.3	9.5	6.0	11.4	7.5	13.2	8.8	14.4	9.7	15.2	10.2	15.5	10.5	15.2	10.5	14.7	10.3	13.6	9.7	12.7	9.2	11.7	8.5	10.5	7.5	12.4	8.2
SW	9.6	6.5	9.4	6.3	9.1	6.0	8.8	5.8	8.1	5.0	7.8	4.7	7.5	4.4	7.3	4.2	7.1	4.1	7.2	4.1	8.1	4.7	10.4	6.5	12.0	7.8	13.0	8.7	13.7	9.3	14.9	10.0	16.3	10.9	17.1	11.4	18.1	12.0	17.1	11.5	16.0	10.9	14.9	10.1	13.0	8.8	10.3	7.2
W	10.2	6.8	10.0	6.6	9.7	6.3	9.4	6.1	8.7	5.3	8.4	5.0	8.1	4.8	7.9	4.6	7.8	4.4	7.8	4.4	8.7	5.0	11.0	6.8	12.6	8.1	13.6	9.0	14.3	9.6	14.7	9.9	15.7	10.6	17.3	11.5	19.0	12.4	18.6	12.2	17.9	11.8	17.6	11.5	16.0	10.3	10.9	7.5
NW	9.1	6.3	8.9	6.1	8.6	5.8	8.4	5.5	7.6	4.8	7.3	4.5	7.1	4.2	6.9	4.0	6.7	3.8	6.8	3.9	7.7	4.5	9.9	6.2	11.5	7.6	12.5	8.5	13.3	9.1	13.6	9.4	13.9	9.7	14.5	10.1	15.8	10.9	16.1	11.0	16.0	10.9	16.0	10.6	14.9	9.8	9.8	6.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.9	6.3	8.9	6.3	8.6	6.1	8.5	6.0	8.5	6.0	8.5	6.0	8.5	6.0	8.4	5.9	8.4	5.9	8.4	5.8	8.3	5.8	8.3	5.8	8.3	5.8	8.4	5.9	8.6	6.0	8.8	6.2	8.9	6.3	8.9	6.3	9.0	6.3	9.0	6.4	9.0	6.4	9.0	6.4	9.0	6.4	9.0	6.4
NE	9.3	6.5	9.2	6.4	9.2	6.4	9.1	6.3	9.0	6.3	9.0	6.2	9.0	6.2	8.9	6.2	8.9	6.1	8.9	6.1	8.8	6.1	8.8	6.1	8.8	6.1	8.9	6.1	9.2	6.3	9.5	6.5	9.5	6.6	9.5	6.6	9.5	6.6	9.5	6.6	9.5	6.6	9.5	6.6	9.5	6.6	9.4	6.6
E	10.9	7.3	10.8	7.2	11.2	7.4	10.6	7.1	10.6	7.1	10.6	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.4	6.9	10.4	6.9	10.4	6.8	10.4	6.9	10.5	6.9	10.8	7.1	11.1	7.3	11.3	7.5	11.2	7.5	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.0	7.4
SE	10.9	7.3	10.8	7.2	11.2	7.4	10.6	7.1	10.6	7.1	10.6	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.4	6.9	10.4	6.9	10.4	6.8	10.4	6.8	10.5	6.9	10.8	7.1	11.1	7.3	11.2	7.4	11.3	7.5	11.2	7.5	11.2	7.4	11.1	7.4	11.1	7.4	11.1	7.4	11.0	7.4
S	10.6	7.1	10.4	7.0	10.6	7.1	10.3	6.9	10.3	6.9	10.2	6.9	10.2	6.8	10.1	6.8	10.1	6.7	10.1	6.7	10.1	6.7	10.0	6.7	10.1	6.7	10.1	6.7	10.4	6.9	10.5	7.0	10.7	7.2	10.8	7.2	10.9	7.3	10.9	7.3	10.9	7.3	10.9	7.3	10.7	7.3	10.7	7.2
SW	11.8	7.8	11.7	7.7	11.4	7.5	11.3	7.4	11.3	7.4	11.3	7.4	11.3	7.4	11.2	7.3	11.2	7.3	11.1	7.2	11.1	7.2	11.1	7.2	11.1	7.2	11.2	7.3	11.4	7.4	11.6	7.6	11.7	7.6	11.7	7.7	11.8	7.8	12.0	7.9	12.1	7.9	12.1	8.0	12.1	7.9	11.9	7.9
W	12.8	8.3	12.7	8.2	12.2	7.9	12.1	7.8	12.1	7.8	12.1	7.8	12.1	7.8	12.0	7.7	12.0	7.7	11.9	7.6	11.9	7.6	11.9	7.6	11.9	7.6	12.0	7.7	12.2	7.8	12.4	8.0	12.5	8.0	12.5	8.1	12.6	8.1	12.7	8.2	12.8	8.3	13.0	8.4	12.9	8.3	12.9	8.3
NW	11.4	7.6	11.3	7.5	10.9	7.2	10.8	7.2	10.8	7.1	10.7	7.1	10.7	7.1	10.6	7.0	10.6	7.0	10.6	7.0	10.6	6.9	10.6	6.9	10.6	6.9	10.6	7.0	10.9	7.2	11.0	7.3	11.1	7.4	11.2	7.4	11.2	7.5	11.2	7.5	11.3	7.5	11.4	7.6	11.5	7.6	11.4	7.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.3	6.6	8.5	6.1	8.3	5.9	8.2	5.8	8.1	5.7	8.1	5.7	7.8	5.5	7.8	5.4	7.7	5.3	7.6	5.2	7.6	5.2	7.6	5.2	7.9	5.4	8.6	5.9	9.0	6.3	9.3	6.6	9.5	6.7	9.6	6.8	9.7	6.9	9.7	7.0	9.7	7.0	9.6	6.9	9.5	6.9	9.5	6.8
NE	9.3	6.6	9.4	6.5	8.8	6.1	8.7	6.1	8.6	6.0	8.6	5.9	8.3	5.7	8.2	5.6	8.2	5.5	8.1	5.5	8.0	5.4	8.1	5.4	8.4	5.6	9.3	6.3	10.0	6.8	10.2	7.0	10.1	7.0	10.1	7.1	10.2	7.1	10.2	7.2	10.2	7.2	10.1	7.2	9.9	7.1	9.6	6.8
E	10.8	7.3	11.9	7.8	10.3	6.9	10.2	6.8	10.1	6.7	10.1	6.7	9.8	6.4	9.7	6.4	9.7	6.3	9.6	6.2	9.6	6.2	9.6	6.2	9.9	6.4	10.8	7.0	11.8	7.7	12.2	8.0	12.1	8.0	11.8	7.9	11.7	7.9	11.7	8.0	11.7	7.9	11.6	7.9	11.4	7.8	11.1	7.6
SE	10.8	7.3	12.1	7.9	10.3	6.9	10.2	6.8	10.1	6.7	10.0	6.7	9.8	6.4	9.7	6.4	9.6	6.3	9.6	6.2	9.5	6.2	9.6	6.2	9.8	6.4	10.7	7.0	11.6	7.6	12.2	8.0	12.2	8.1	12.2	8.1	11.9	8.0	11.7	8.0	11.6	7.9	11.6	7.9	11.4	7.8	11.1	7.6
S	10.4	7.2	11.0	7.4	9.9	6.7	9.9	6.7	9.8	6.6	9.7	6.5	9.5	6.3	9.4	6.2	9.3	6.1	9.3	6.1	9.2	6.0	9.2	6.0	9.5	6.2	10.2	6.7	10.7	7.1	11.2	7.5	11.6	7.8	11.8	7.9	11.9	8.0	11.9	8.0	11.7	8.0	11.4	7.8	11.1	7.7	10.8	7.4
SW	12.0	7.9	11.1	7.4	10.9	7.2	10.9	7.2	10.8	7.1	10.7	7.0	10.5	6.8	10.4	6.7	10.3	6.6	10.3	6.6	10.2	6.5	10.3	6.5	10.5	6.7	11.2	7.2	11.7	7.6	12.0	7.9	12.2	8.1	12.5	8.3	12.9	8.5	13.2	8.7	13.5	8.9	13.2	8.7	12.8	8.5	12.5	8.3
W	13.4	8.6	11.9	7.8	11.7	7.6	11.6	7.5	11.5	7.5	11.5	7.4	11.3	7.2	11.2	7.1	11.1	7.0	11.0	6.9	11.0	6.9	11.0	6.9	11.3	7.1	11.9	7.6	12.4	8.0	12.7	8.3	12.9	8.4	13.0	8.5	13.3	8.7	13.8	9.0	14.3	9.3	14.2	9.2	14.0	9.1	13.9	9.0
NW	12.1	8.0	10.6	7.2	10.4	7.0	10.4	6.9	10.3	6.8	10.2	6.7	10.0	6.5	9.9	6.4	9.8	6.4	9.8	6.3	9.7	6.2	9.7	6.3	10.0	6.4	10.7	7.0	11.1	7.4	11.4	7.6	11.6	7.8	11.7	7.9	11.8	8.0	12.0	8.1	12.4	8.3	12.5	8.4	12.4	8.3	12.5	8.3
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.9	6.3	8.8	6.2	8.6	6.1	8.6	6.1	8.6	6.0	8.5	6.0	8.5	6.0	8.5	5.9	8.4	5.9	8.4	5.9	8.4	5.9	8.4	5.9	8.4	5.9	8.5	5.9	8.6	6.1	8.8	6.2	8.8	6.2	8.9	6.3	8.9	6.3	8.9	6.3	9.0	6.3	8.9	6.3	8.9	6.3	8.9	6.3
NE	9.3	6.5	9.2	6.4	9.2	6.4	9.1	6.3	9.1	6.3	9.0	6.3	9.0	6.3	9.0	6.2	8.9	6.2	8.9	6.1	8.9	6.1	8.9	6.1	8.9	6.1	9.0	6.2	9.2	6.3	9.4	6.5	9.5	6.5	9.4	6.5	9.4	6.6	9.4	6.6	9.5	6.6	9.4	6.6	9.4	6.6	9.4	6.6
E	10.9	7.3	10.8	7.2	11.1	7.3	10.7	7.1	10.7	7.1	10.6	7.1	10.6	7.0	10.6	7.0	10.5	7.0	10.5	6.9	10.5	6.9	10.5	6.9	10.5	6.9	10.6	7.0	10.8	7.1	11.1	7.3	11.2	7.4	11.2	7.4	11.1	7.4	11.0	7.4	11.1	7.4	11.0	7.4	11.0	7.4	11.0	7.3
SE	10.9	7.3	10.8	7.2	11.1	7.4	10.7	7.1	10.6	7.1	10.6	7.1	10.6	7.0	10.5	7.0	10.5	7.0	10.5	6.9	10.5	6.9	10.5	6.9	10.5	6.9	10.6	7.0	10.8	7.1	11.0	7.3	11.2	7.4	11.2	7.4	11.2	7.4	11.1	7.4	11.0	7.4	11.0	7.4	11.0	7.4	11.0	7.3
S	10.5	7.1	10.4	7.0	10.6	7.1	10.3	6.9	10.3	6.9	10.3	6.9	10.3	6.9	10.2	6.8	10.2	6.8	10.2	6.8	10.1	6.7	10.1	6.7	10.1	6.7	10.2	6.8	10.4	6.9	10.5	7.0	10.7	7.1	10.8	7.2	10.8	7.2	10.8	7.3	10.8	7.3	10.8	7.3	10.7	7.2	10.6	7.2
SW	11.8	7.7	11.6	7.6	11.4	7.5	11.4	7.5	11.4	7.4	11.3	7.4	11.3	7.4	11.3	7.3	11.2	7.3	11.2	7.3	11.2	7.3	11.2	7.3	11.2	7.3	11.3	7.3	11.4	7.4	11.6	7.6	11.6	7.6	11.7	7.7	11.8	7.7	11.9	7.8	12.0	7.8	12.0	7.9	12.0	7.8	11.9	7.8
W	12.7	8.2	12.6	8.1	12.2	7.9	12.2	7.8	12.1	7.8	12.1	7.8	12.1	7.8	12.0	7.7	12.0	7.7	12.0	7.7	12.0	7.7	12.0	7.7	12.0	7.7	12.0	7.7	12.2	7.8	12.4	8.0	12.4	8.0	12.5	8.1	12.5	8.1	12.6	8.1	12.7	8.2	12.9	8.3	12.8	8.3	12.8	8.2
NW	11.4	7.5	11.3	7.4	10.9	7.2	10.8	7.2	10.8	7.2	10.8	7.1	10.8	7.1	10.7	7.1	10.7	7.0	10.7	7.0	10.6	7.0	10.6	7.0	10.6	7.0	10.7	7.0	10.9	7.2	11.0	7.3	11.1	7.3	11.1	7.4	11.2	7.4	11.2	7.4	11.2	7.5	11.3	7.5	11.4	7.5	11.4	7.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.9	2.1	5.4	1.6	3.8	0.0	3.2	-0.6	2.7	-1.1	2.2	-1.5	1.9	-1.9	2.2	-1.8	4.9	-0.1	12.1	4.9	19.4	9.6	25.5	13.5	28.6	15.6	30.9	17.0	31.8	17.8	30.5	17.4	30.1	17.3	25.5	15.0	21.5	12.9	17.5	10.4	12.5	7.2	8.6	4.7	7.0	3.2	6.5	2.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ÇORUM (39.14)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.6	4.5	6.3	4.1	6.1	3.9	5.9	3.8	5.6	3.5	5.1	3.0	4.9	2.8	4.8	2.7	4.7	2.5	4.6	2.4	4.8	2.5	5.7	3.2	6.5	3.9	7.4	4.6	8.0	5.1	8.6	5.7	9.0	6.0	9.3	6.3	9.3	6.4	9.2	6.3	8.9	6.2	8.6	6.0	8.3	5.7	7.6	5.1
NE	7.5	4.9	7.2	4.6	7.0	4.4	6.9	4.3	6.6	4.0	6.0	3.4	5.9	3.3	5.7	3.1	5.6	3.0	5.5	2.9	5.9	3.1	7.5	4.1	8.9	5.1	9.6	5.7	9.8	6.0	9.7	6.2	10.0	6.5	10.2	6.8	10.3	6.9	10.2	6.8	9.9	6.7	9.6	6.5	8.9	6.0	8.0	5.3
E	8.7	5.5	8.4	5.2	8.1	5.0	8.0	4.8	7.7	4.6	7.2	4.0	7.0	3.9	6.9	3.7	6.8	3.6	6.7	3.5	7.0	3.7	8.8	4.7	10.6	5.9	11.6	6.8	12.0	7.1	12.0	7.4	11.5	7.3	11.4	7.3	11.4	7.4	11.3	7.4	11.0	7.2	10.7	7.0	10.0	6.6	9.2	5.9
SE	8.7	5.5	8.4	5.2	8.1	5.0	8.0	4.8	7.7	4.6	7.2	4.0	7.0	3.9	6.9	3.7	6.8	3.6	6.6	3.5	6.9	3.6	8.3	4.5	10.0	5.6	11.2	6.6	12.0	7.1	12.4	7.6	12.3	7.7	11.9	7.6	11.4	7.4	11.3	7.4	11.0	7.2	10.7	7.0	10.0	6.6	9.2	5.9
S	8.0	5.2	7.7	4.9	7.5	4.6	7.3	4.5	7.1	4.2	6.5	3.7	6.4	3.5	6.2	3.4	6.1	3.3	6.0	3.1	6.1	3.2	7.0	3.8	7.8	4.5	9.1	5.5	10.2	6.2	11.1	6.9	11.7	7.4	11.9	7.6	11.8	7.6	11.3	7.4	10.7	7.1	10.0	6.7	9.4	6.2	8.5	5.6
SW	8.8	5.6	8.5	5.3	8.3	5.0	8.1	4.9	7.9	4.6	7.3	4.1	7.2	3.9	7.0	3.8	6.9	3.7	6.8	3.6	7.0	3.6	7.8	4.2	8.7	5.0	9.6	5.7	10.2	6.3	10.8	6.8	11.8	7.5	12.6	8.0	13.2	8.3	13.1	8.3	13.1	8.3	12.2	7.8	11.3	7.2	10.0	6.3
W	9.1	5.7	8.8	5.4	8.5	5.2	8.4	5.0	8.1	4.8	7.6	4.2	7.4	4.1	7.3	3.9	7.2	3.8	7.1	3.7	7.2	3.8	8.0	4.4	8.9	5.1	9.8	5.9	10.5	6.4	11.1	6.9	11.5	7.3	12.2	7.7	13.0	8.2	13.3	8.4	13.7	8.6	13.0	8.2	12.4	7.7	11.1	6.8
NW	8.0	5.2	7.7	4.8	7.4	4.6	7.3	4.5	7.0	4.2	6.5	3.7	6.3	3.5	6.2	3.4	6.1	3.2	5.9	3.1	6.1	3.2	6.9	3.8	7.8	4.5	8.7	5.3	9.4	5.8	10.0	6.4	10.4	6.7	10.6	7.0	10.8	7.1	11.3	7.4	11.7	7.6	11.4	7.4	10.9	7.0	9.9	6.2
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	7.1	4.6	6.8	4.4	6.7	4.3	6.6	4.3	6.6	4.2	6.5	4.1	6.3	4.0	6.3	3.9	6.2	3.9	6.2	3.8	6.2	3.8	6.2	3.8	6.5	4.0	6.8	4.2	7.0	4.5	7.2	4.7	7.4	4.8	7.6	5.0	7.7	5.0	7.7	5.1	7.6	5.0	7.6	5.0	7.5	4.9	7.3	4.8
NE	8.0	5.1	7.9	5.0	7.8	4.9	7.7	4.8	7.6	4.8	7.6	4.7	7.4	4.5	7.3	4.4	7.3	4.4	7.2	4.4	7.2	4.3	7.3	4.4	7.8	4.7	8.3	5.0	8.5	5.2	8.6	5.3	8.6	5.4	8.6	5.5	8.7	5.6	8.7	5.6	8.7	5.6	8.6	5.5	8.5	5.5	8.3	5.3
E	9.3	5.7	9.1	5.6	9.0	5.5	8.9	5.4	8.9	5.4	8.8	5.3	8.6	5.1	8.6	5.1	8.5	5.0	8.5	5.0	8.5	4.9	8.6	5.0	9.2	5.4	9.7	5.7	10.1	6.0	10.2	6.1	10.2	6.2	10.0	6.2	10.0	6.2	10.0	6.2	10.0	6.2	9.9	6.2	9.8	6.1	9.6	5.9
SE	9.3	5.7	9.1	5.6	9.0	5.5	8.9	5.4	8.9	5.4	8.8	5.3	8.6	5.1	8.6	5.1	8.5	5.0	8.5	5.0	8.5	4.9	8.5	5.0	9.0	5.3	9.5	5.6	9.9	5.9	10.2	6.1	10.3	6.3	10.3	6.3	10.2	6.3	10.0	6.2	10.0	6.2	9.9	6.2	9.8	6.1	9.6	5.9
S	8.5	5.4	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.0	8.1	4.9	7.9	4.8	7.9	4.7	7.8	4.7	7.8	4.6	7.7	4.6	7.8	4.6	8.0	4.8	8.3	5.0	8.7	5.3	9.1	5.6	9.4	5.8	9.6	5.9	9.6	6.0	9.6	6.0	9.4	5.9	9.3	5.9	9.0	5.7	8.8	5.6
SW	9.7	5.9	9.3	5.7	9.2	5.6	9.1	5.5	9.1	5.5	9.0	5.4	8.8	5.2	8.8	5.2	8.7	5.1	8.7	5.1	8.6	5.0	8.7	5.1	9.0	5.3	9.2	5.5	9.5	5.7	9.7	5.9	9.9	6.1	10.3	6.3	10.5	6.5	10.7	6.6	10.7	6.6	10.7	6.6	10.4	6.4	10.1	6.2
W	10.2	6.2	9.6	5.8	9.5	5.7	9.4	5.7	9.3	5.6	9.3	5.5	9.1	5.3	9.0	5.3	9.0	5.2	8.9	5.2	8.9	5.2	9.0	5.2	9.2	5.4	9.5	5.6	9.8	5.9	10.0	6.0	10.2	6.2	10.3	6.3	10.6	6.5	10.8	6.6	10.9	6.7	11.1	6.8	10.8	6.6	10.6	6.5
NW	8.9	5.6	8.3	5.2	8.2	5.1	8.2	5.0	8.1	5.0	8.0	4.9	7.9	4.7	7.8	4.7	7.8	4.6	7.7	4.6	7.7	4.6	7.7	4.6	8.0	4.8	8.3	5.0	8.6	5.3	8.8	5.4	9.0	5.6	9.1	5.7	9.2	5.8	9.3	5.8	9.4	5.9	9.5	6.0	9.4	5.9	9.3	5.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.2	4.7	6.8	4.4	6.6	4.3	6.5	4.2	6.5	4.1	6.4	4.0	6.1	3.8	6.0	3.7	6.0	3.7	5.9	3.6	5.9	3.6	6.0	3.6	6.4	3.9	6.7	4.2	7.1	4.5	7.4	4.7	7.6	5.0	7.8	5.1	7.9	5.2	8.0	5.3	7.9	5.3	7.8	5.2	7.7	5.1	7.5	5.0
NE	8.0	5.1	7.8	5.0	7.7	4.8	7.6	4.7	7.5	4.7	7.4	4.6	7.2	4.3	7.1	4.2	7.0	4.2	7.0	4.1	6.9	4.1	7.1	4.2	7.8	4.6	8.4	5.0	8.7	5.3	8.8	5.4	8.7	5.5	8.9	5.7	9.0	5.8	9.0	5.8	8.9	5.8	8.8	5.7	8.7	5.6	8.4	5.4
E	9.3	5.8	9.0	5.6	8.9	5.4	8.8	5.4	8.7	5.3	8.6	5.2	8.4	4.9	8.3	4.9	8.3	4.8	8.2	4.7	8.2	4.7	8.3	4.8	9.1	5.3	9.9	5.8	10.3	6.1	10.5	6.3	10.5	6.4	10.3	6.4	10.2	6.4	10.2	6.4	10.2	6.4	10.1	6.3	9.9	6.3	9.6	6.1
SE	9.3	5.8	9.0	5.6	8.9	5.4	8.8	5.3	8.7	5.3	8.6	5.2	8.4	4.9	8.3	4.9	8.3	4.8	8.2	4.7	8.2	4.7	8.3	4.8	8.9	5.1	9.6	5.6	10.2	6.0	10.5	6.3	10.7	6.5	10.6	6.5	10.4	6.5	10.2	6.4	10.2	6.4	10.1	6.3	9.9	6.3	9.6	6.1
S	8.5	5.4	8.3	5.2	8.2	5.1	8.1	5.0	8.0	4.9	7.9	4.8	7.7	4.6	7.6	4.5	7.5	4.4	7.5	4.4	7.4	4.3	7.5	4.4	7.9	4.6	8.2	4.9	8.8	5.4	9.3	5.7	9.7	6.0	9.9	6.2	10.0	6.3	10.0	6.3	9.7	6.2	9.5	6.1	9.2	5.9	8.9	5.7
SW	9.7	6.0	9.2	5.7	9.1	5.5	9.0	5.4	8.9	5.4	8.8	5.3	8.6	5.0	8.5	5.0	8.4	4.9	8.4	4.8	8.3	4.8	8.4	4.8	8.8	5.1	9.1	5.4	9.6	5.7	9.8	6.0	10.1	6.2	10.5	6.5	10.9	6.7	11.1	6.9	11.1	6.8	11.1	6.8	10.7	6.6	10.3	6.4
W	10.3	6.3	9.5	5.8	9.3	5.7	9.2	5.6	9.2	5.5	9.1	5.4	8.8	5.2	8.8	5.1	8.7	5.0	8.6	5.0	8.6	4.9	8.7	5.0	9.0	5.2	9.4	5.5	9.8	5.9	10.1	6.1	10.4	6.3	10.5	6.5	10.8	6.7	11.2	6.9	11.3	7.0	11.5	7.1	11.2	6.9	10.9	6.7
NW	9.1	5.7	8.3	5.2	8.1	5.1	8.0	5.0	8.0	4.9	7.9	4.8	7.6	4.5	7.6	4.5	7.5	4.4	7.4	4.4	7.4	4.3	7.5	4.3	7.8	4.6	8.2	4.9	8.6	5.3	8.9	5.5	9.1	5.7	9.3	5.9	9.4	6.0	9.5	6.1	9.7	6.2	9.9	6.3	9.7	6.2	9.6	6.0
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	7.3	4.8	6.7	4.4	6.6	4.3	6.5	4.2	6.4	4.1	6.2	4.0	6.0	3.7	5.9	3.6	5.8	3.5	5.7	3.5	5.7	3.4	5.8	3.4	6.3	3.8	6.7	4.1	7.1	4.5	7.5	4.8	7.8	5.1	8.0	5.3	8.1	5.4	8.2	5.4	8.1	5.4	8.0	5.4	7.8	5.3	7.6	5.1
NE	8.0	5.2	7.8	5.0	7.6	4.8	7.5	4.7	7.4	4.6	7.3	4.5	7.0	4.2	6.9	4.1	6.8	4.0	6.8	4.0	6.7	3.9	6.9	4.0	7.7	4.5	8.5	5.0	8.8	5.4	8.9	5.5	8.9	5.6	9.0	5.8	9.2	5.9	9.2	6.0	9.1	5.9	9.0	5.9	8.8	5.8	8.5	5.5
E	9.2	5.8	9.0	5.6	8.8	5.4	8.7	5.3	8.6	5.2	8.5	5.1	8.2	4.8	8.1	4.7	8.0	4.6	8.0	4.6	7.9	4.5	8.1	4.6	9.0	5.2	10.0	5.8	10.5	6.2	10.7	6.4	10.7	6.5	10.5	6.5	10.4	6.5	10.4	6.6	10.3	6.5	10.2	6.5	10.0	6.4	9.7	6.1
SE	9.2	5.8	9.0	5.6	8.8	5.4	8.7	5.3	8.6	5.2	8.5	5.1	8.2	4.8	8.1	4.7	8.0	4.6	8.0	4.6	7.9	4.5	8.1	4.6	8.8	5.0	9.7	5.6	10.3	6.1	10.7	6.4	10.9	6.7	10.9	6.7	10.7	6.7	10.4	6.6	10.3	6.5	10.2	6.5	10.0	6.4	9.7	6.1
S	8.5	5.4	8.3	5.2	8.1	5.0	8.0	4.9	7.9	4.9	7.8	4.7	7.5	4.4	7.4	4.4	7.3	4.3	7.3	4.2	7.2	4.2	7.3	4.2	7.7	4.5	8.2	4.9	8.9	5.4	9.4	5.8	9.9	6.1	10.2	6.4	10.3	6.5	10.2	6.5	10.0	6.4	9.7	6.2	9.3	6.0	9.0	5.8
SW	9.8	6.0	9.2	5.7	9.0	5.5	8.9	5.4	8.8	5.3	8.7	5.2	8.4	4.9	8.3	4.8	8.2	4.7	8.2	4.7	8.1	4.6	8.2	4.6	8.6	5.0	9.1	5.3	9.6	5.7	9.9	6.0	10.2	6.3	10.7	6.6	11.1	6.9	11.4	7.1	11.4	7.1	11.4	7.1	10.9	6.8	10.5	6.5
W	10.5	6.4	9.4	5.8	9.3	5.6	9.1	5.5	9.1	5.4	8.9	5.3	8.6	5.0	8.6	4.9	8.5	4.8	8.4	4.8	8.4	4.7	8.4	4.8	8.9	5.1	9.3	5.5	9.8	5.9	10.2	6.1	10.5	6.4	10.7	6.6	11.0	6.8	11.5	7.1	11.6	7.2	11.9	7.3	11.5	7.1	11.1	6.8
NW	9.2	5.8	8.2	5.2	8.1	5.0	7.9	4.9	7.9	4.8	7.7	4.7	7.4	4.4	7.4	4.3	7.3	4.3	7.2	4.2	7.2	4.1	7.3	4.2	7.7	4.5	8.1	4.9	8.6	5.3	9.0	5.5	9.3	5.8	9.5	6.0	9.6	6.1	9.7	6.2	10.0	6.3	10.2	6.5	10.0	6.3	9.8	6.2
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.4	4.8	11.3	4.7	11.2	4.6	11.2	4.6	11.1	4.5	11.0	4.3	10.9	4.3	10.9	4.3	10.8	4.2	10.8	4.2	10.9	4.2	11.3	4.5	11.8	4.8	12.3	5.2	12.7	5.4	13.1	5.7	13.2	5.8	13.3	5.9	13.2	5.9	13.0	5.7	12.8	5.7	12.4	5.4	12.1	5.2	11.6	4.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ÇORUM (39.14)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	5.9	4.0	5.5	3.6	5.3	3.4	4.8	2.9	3.9	2.0	3.7	1.8	3.4	1.5	3.2	1.3	3.1	1.2	3.4	1.3	5.0	2.4	6.2	3.5	7.6	4.7	8.7	5.6	9.7	6.5	10.4	7.1	10.8	7.5	10.9	7.6	10.7	7.5	10.3	7.3	9.7	7.0	9.2	6.5	8.0	5.5	6.4	4.5
NE	6.7	4.4	6.4	4.0	6.1	3.8	5.7	3.4	4.8	2.5	4.5	2.2	4.3	1.9	4.1	1.8	3.9	1.6	4.5	1.9	7.1	3.5	9.4	5.1	10.6	6.2	10.9	6.7	10.8	7.0	11.2	7.5	11.6	7.9	11.7	8.1	11.5	8.0	11.1	7.8	10.5	7.4	9.5	6.7	8.0	5.5	7.3	4.9
E	7.7	4.9	7.4	4.5	7.1	4.3	6.7	3.9	5.8	3.0	5.5	2.7	5.3	2.5	5.1	2.3	4.9	2.1	5.5	2.4	8.4	4.2	11.4	6.1	13.1	7.5	13.7	8.1	13.7	8.5	13.0	8.4	12.6	8.4	12.7	8.6	12.5	8.5	12.1	8.3	11.6	7.9	10.5	7.2	9.1	6.0	8.3	5.4
SE	7.7	4.9	7.4	4.5	7.1	4.3	6.7	3.9	5.8	3.0	5.5	2.7	5.3	2.5	5.1	2.3	4.9	2.1	5.3	2.3	7.6	3.8	10.4	5.6	12.5	7.1	13.7	8.1	14.4	8.8	14.2	9.0	13.5	8.9	12.7	8.6	12.5	8.5	12.1	8.3	11.6	7.9	10.5	7.2	9.1	6.0	8.3	5.4
S	7.1	4.6	6.8	4.2	6.5	4.0	6.1	3.6	5.2	2.7	5.0	2.4	4.7	2.2	4.5	2.0	4.3	1.8	4.6	1.9	5.9	2.9	7.4	4.1	9.5	5.7	11.2	6.9	12.8	8.0	13.7	8.8	14.0	9.1	13.8	9.1	13.0	8.7	12.1	8.3	11.0	7.6	9.9	6.9	8.5	5.8	7.7	5.1
SW	7.9	5.0	7.5	4.6	7.3	4.4	6.8	3.9	5.9	3.0	5.7	2.8	5.4	2.5	5.2	2.3	5.1	2.2	5.3	2.3	6.7	3.3	8.1	4.5	9.7	5.7	10.7	6.6	11.7	7.5	13.3	8.6	14.7	9.4	15.5	9.9	15.4	9.9	15.4	9.9	13.9	9.1	12.5	8.2	10.3	6.7	8.4	5.5
W	8.1	5.1	7.7	4.7	7.5	4.5	7.1	4.0	6.2	3.1	5.9	2.9	5.7	2.6	5.5	2.5	5.3	2.3	5.5	2.4	6.9	3.4	8.4	4.6	9.9	5.8	10.9	6.7	11.9	7.6	12.6	8.2	13.7	8.9	15.1	9.7	15.6	10.0	16.3	10.4	15.0	9.7	14.0	8.9	11.9	7.4	8.6	5.6
NW	7.1	4.6	6.7	4.2	6.5	4.0	6.1	3.6	5.2	2.6	4.9	2.4	4.7	2.1	4.5	2.0	4.3	1.8	4.6	1.9	5.9	2.9	7.4	4.1	8.9	5.4	9.9	6.2	10.9	7.1	11.6	7.7	12.0	8.1	12.3	8.4	13.1	8.7	13.7	9.1	13.2	8.7	12.5	8.2	10.7	6.9	7.6	5.1

W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	7.1	4.6	7.0	4.5	6.9	4.4	6.8	4.4	6.8	4.4	6.7	4.3	6.7	4.3	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.1	6.5	4.1	6.6	4.1	6.7	4.2	6.8	4.3	7.0	4.5	7.1	4.5	7.2	4.6	7.2	4.7	7.3	4.7	7.3	4.7	7.3	4.7	7.2	4.7	7.2	4.7
NE	8.2	5.1	8.0	5.0	7.9	5.0	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.8	7.7	4.7	7.7	4.7	7.7	4.7	7.6	4.7	7.6	4.7	7.7	4.7	7.9	4.8	8.1	5.0	8.3	5.1	8.3	5.2	8.3	5.2	8.3	5.2	8.4	5.3	8.4	5.3	8.3	5.3	8.3	5.3	8.3	5.2
E	9.4	5.8	9.3	5.7	9.2	5.6	9.2	5.6	9.1	5.5	9.1	5.5	9.1	5.5	9.0	5.4	9.0	5.4	8.9	5.3	8.9	5.3	8.9	5.3	9.0	5.3	9.2	5.5	9.5	5.7	9.7	5.8	9.7	5.9	9.7	5.9	9.7	5.9	9.6	5.9	9.7	5.9	9.6	5.9	9.6	5.9	9.5	5.9
SE	9.4	5.8	9.3	5.7	9.2	5.6	9.2	5.6	9.1	5.5	9.1	5.5	9.1	5.5	9.0	5.4	9.0	5.4	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	9.2	5.5	9.4	5.6	9.6	5.8	9.7	5.9	9.8	5.9	9.8	6.0	9.7	6.0	9.7	5.9	9.6	5.9	9.6	5.9	9.5	5.9
S	8.7	5.4	8.5	5.3	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.2	4.9	8.3	5.0	8.4	5.1	8.6	5.3	8.8	5.4	9.0	5.5	9.0	5.6	9.1	5.6	9.1	5.6	9.0	5.6	8.9	5.5	8.8	5.5
SW	9.8	6.0	9.6	5.8	9.4	5.7	9.4	5.7	9.3	5.6	9.3	5.6	9.3	5.6	9.2	5.5	9.1	5.5	9.1	5.4	9.1	5.4	9.1	5.4	9.1	5.4	9.2	5.5	9.4	5.6	9.5	5.7	9.6	5.8	9.7	5.9	9.9	6.0	10.0	6.1	10.1	6.1	10.1	6.1	10.1	6.1	9.9	6.1
W	10.2	6.2	10.0	6.0	9.7	5.9	9.6	5.8	9.6	5.8	9.6	5.7	9.5	5.7	9.4	5.6	9.4	5.6	9.4	5.6	9.4	5.6	9.4	5.5	9.4	5.5	9.5	5.6	9.7	5.8	9.8	5.9	9.9	6.0	10.0	6.0	10.1	6.1	10.2	6.2	10.3	6.2	10.4	6.3	10.4	6.3	10.3	6.2
NW	8.9	5.5	8.7	5.4	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.3	5.0	8.4	5.1	8.5	5.2	8.6	5.3	8.7	5.4	8.8	5.5	8.8	5.5	8.9	5.5	8.9	5.6	9.0	5.6	9.0	5.6

W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	7.2	4.8	6.8	4.4	6.6	4.3	6.5	4.2	6.4	4.1	6.3	4.0	6.0	3.7	6.0	3.6	5.9	3.6	5.8	3.5	5.8	3.5	5.9	3.5	6.3	3.8	6.7	4.2	7.1	4.5	7.4	4.8	7.7	5.0	7.9	5.2	8.0	5.3	8.1	5.4	8.0	5.4	7.9	5.3	7.7	5.2	7.6	5.1
NE	8.0	5.2	7.8	5.0	7.6	4.8	7.5	4.7	7.5	4.6	7.3	4.5	7.1	4.2	7.0	4.2	6.9	4.1	6.9	4.0	6.8	4.0	7.0	4.1	7.7	4.5	8.4	5.0	8.8	5.4	8.9	5.5	8.8	5.6	9.0	5.7	9.1	5.8	9.1	5.9	9.0	5.9	8.9	5.8	8.8	5.7	8.4	5.5
E	9.2	5.8	9.0	5.6	8.9	5.4	8.7	5.3	8.7	5.2	8.6	5.1	8.3	4.9	8.2	4.8	8.1	4.7	8.1	4.6	8.0	4.6	8.2	4.7	9.1	5.2	9.9	5.8	10.4	6.2	10.6	6.4	10.6	6.5	10.4	6.5	10.3	6.5	10.3	6.5	10.3	6.5	10.2	6.4	10.0	6.3	9.7	6.1
SE	9.2	5.8	9.0	5.6	8.9	5.4	8.7	5.3	8.7	5.2	8.5	5.1	8.3	4.8	8.2	4.8	8.1	4.7	8.1	4.6	8.0	4.6	8.1	4.7	8.8	5.1	9.6	5.6	10.3	6.1	10.6	6.4	10.8	6.6	10.8	6.6	10.6	6.6	10.3	6.5	10.3	6.5	10.2	6.4	10.0	6.3	9.7	6.1
S	8.5	5.4	8.3	5.2	8.1	5.1	8.0	5.0	8.0	4.9	7.8	4.8	7.6	4.5	7.5	4.4	7.4	4.3	7.4	4.3	7.3	4.2	7.4	4.3	7.8	4.6	8.2	4.9	8.8	5.4	9.3	5.7	9.8	6.1	10.1	6.3	10.2	6.4	10.1	6.4	9.9	6.3	9.6	6.2	9.3	6.0	9.0	5.7
SW	9.8	6.0	9.2	5.7	9.0	5.5	8.9	5.4	8.8	5.3	8.7	5.2	8.5	4.9	8.4	4.9	8.3	4.8	8.3	4.7	8.2	4.7	8.3	4.7	8.7	5.0	9.1	5.4	9.6	5.7	9.9	6.0	10.2	6.3	10.6	6.6	11.0	6.8	11.3	7.0	11.3	7.0	11.2	7.0	10.8	6.7	10.4	6.5
W	10.4	6.3	9.4	5.8	9.3	5.6	9.2	5.5	9.1	5.5	9.0	5.3	8.7	5.1	8.6	5.0	8.6	4.9	8.5	4.9	8.5	4.8	8.5	4.8	8.9	5.1	9.4	5.5	9.8	5.9	10.1	6.1	10.4	6.4	10.6	6.6	11.0	6.8	11.4	7.0	11.5	7.1	11.7	7.2	11.4	7.0	11.0	6.8
NW	9.2	5.7	8.2	5.2	8.1	5.0	8.0	4.9	7.9	4.9	7.8	4.7	7.5	4.5	7.4	4.4	7.4	4.3	7.3	4.3	7.3	4.2	7.3	4.2	7.7	4.5	8.2	4.9	8.6	5.3	8.9	5.5	9.2	5.8	9.4	6.0	9.5	6.1	9.6	6.2	9.9	6.3	10.1	6.4	9.9	6.3	9.7	6.1

W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	7.1	4.6	7.0	4.5	6.9	4.4	6.8	4.4	6.8	4.4	6.8	4.3	6.7	4.3	6.7	4.2	6.7	4.2	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2	6.8	4.3	6.8	4.4	7.0	4.5	7.0	4.5	7.1	4.6	7.2	4.6	7.2	4.7	7.2	4.7	7.2	4.7	7.2	4.7	7.1	4.6
NE	8.1	5.1	8.0	5.0	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.8	7.7	4.8	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.9	4.9	8.1	5.0	8.2	5.1	8.2	5.1	8.2	5.1	8.3	5.2	8.3	5.2	8.3	5.2	8.3	5.2	8.3	5.2	8.2	5.2
E	9.4	5.8	9.3	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.5	9.1	5.5	9.1	5.4	9.0	5.4	9.0	5.4	9.0	5.4	9.0	5.4	9.0	5.4	9.3	5.5	9.5	5.7	9.6	5.8	9.7	5.8	9.7	5.9	9.6	5.9	9.6	5.9	9.6	5.9	9.6	5.9	9.5	5.9	9.5	5.8
SE	9.4	5.8	9.3	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.5	9.1	5.5	9.0	5.4	9.0	5.4	9.0	5.4	9.0	5.4	9.0	5.4	9.0	5.4	9.2	5.5	9.4	5.6	9.6	5.8	9.7	5.8	9.7	5.9	9.7	5.9	9.7	5.9	9.6	5.9	9.6	5.9	9.5	5.9	9.5	5.8
S	8.7	5.4	8.5	5.3	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.4	5.1	8.5	5.2	8.6	5.3	8.8	5.4	8.9	5.5	9.0	5.5	9.0	5.6	9.0	5.6	8.9	5.5	8.8	5.5	8.7	5.4
SW	9.7	5.9	9.6	5.8	9.4	5.7	9.4	5.7	9.4	5.6	9.3	5.6	9.3	5.6	9.2	5.5	9.2	5.5	9.2	5.5	9.2	5.5	9.2	5.5	9.2	5.5	9.3	5.5	9.4	5.6	9.5	5.7	9.6	5.8	9.7	5.9	9.8	6.0	9.9	6.0	10.0	6.1	10.0	6.1	10.0	6.1	9.9	6.0
W	10.1	6.1	10.0	6.0	9.7	5.9	9.7	5.8	9.6	5.8	9.6	5.8	9.6	5.7	9.5	5.7	9.5	5.6	9.5	5.6	9.5	5.6	9.4	5.6	9.5	5.6	9.6	5.7	9.7	5.8	9.8	5.9	9.9	5.9	10.0	6.0	10.0	6.1	10.1	6.1	10.2	6.2	10.3	6.2	10.3	6.2	10.2	6.2
NW	8.8	5.5	8.7	5.4	8.4	5.2	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.1	8.4	5.1	8.5	5.2	8.6	5.3	8.7	5.4	8.7	5.4	8.8	5.5	8.8	5.5	8.9	5.5	8.9	5.5	8.9	5.5

R2 - 12cm Concrete+2 cm plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
R	4.2	0.6	3.3	-0.3	1.4	-2.2	0.9	-2.7	0.3	-3.2	0.0	-3.6	-0.4	-4.0	0.6	-3.5	5.3	-0.5	11.4	3.5	17.3	7.6	22.1	10.7	26.1	13.5	28.2	15.1	28.6	15.6	28.0	15.6	25.3	14.2	23.0	13.1	18.6	10.8	14.3	8.1	9.1	4.7	6.6	2.9	5.4	1.9	4.7	1.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :DENİZLİ (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.0	8.9	10.8	8.6	10.6	8.4	10.4	8.2	10.3	8.1	10.2	8.1	10.1	8.0	10.1	7.9	9.9	7.8	9.8	7.7	10.0	7.8	10.7	8.2	11.5	8.8	12.1	9.3	12.7	9.8	13.2	10.1	13.5	10.4	13.7	10.6	13.8	10.7	13.7	10.7	13.4	10.5	12.9	10.2	12.3	9.8	11.7	9.3
NE	11.3	9.0	11.1	8.8	10.9	8.6	10.7	8.4	10.6	8.3	10.5	8.2	10.4	8.1	10.4	8.0	10.2	7.9	10.1	7.8	10.4	8.0	11.1	8.5	12.1	9.1	13.0	9.7	13.4	10.1	13.6	10.3	13.8	10.5	14.0	10.8	14.1	10.9	14.0	10.9	13.7	10.7	13.1	10.3	12.5	9.9	11.8	9.3
E	11.8	9.2	11.5	9.0	11.3	8.8	11.1	8.6	11.0	8.5	11.0	8.4	10.9	8.3	10.8	8.3	10.7	8.1	10.6	8.0	10.8	8.2	11.6	8.7	12.7	9.4	13.7	10.1	14.3	10.5	14.5	10.8	14.4	10.9	14.5	11.0	14.5	11.1	14.4	11.1	14.1	10.9	13.6	10.5	12.9	10.1	12.2	9.6
SE	11.8	9.2	11.5	9.0	11.3	8.8	11.1	8.6	11.0	8.5	10.9	8.4	10.8	8.3	10.8	8.3	10.7	8.1	10.5	8.0	10.8	8.1	11.5	8.6	12.5	9.3	13.5	10.0	14.2	10.5	14.6	10.8	14.8	11.0	14.7	11.1	14.5	11.1	14.4	11.1	14.1	10.9	13.6	10.5	12.9	10.1	12.2	9.6
S	11.7	9.2	11.4	8.9	11.2	8.7	11.0	8.5	10.9	8.4	10.8	8.4	10.7	8.3	10.7	8.2	10.6	8.1	10.4	8.0	10.6	8.0	11.3	8.5	12.1	9.1	12.9	9.7	13.6	10.2	14.2	10.6	14.7	11.0	14.9	11.2	14.9	11.3	14.6	11.2	14.1	10.9	13.5	10.5	12.8	10.1	12.1	9.5
SW	12.2	9.4	11.9	9.2	11.7	9.0	11.5	8.8	11.4	8.7	11.4	8.6	11.3	8.5	11.2	8.5	11.1	8.3	11.0	8.2	11.1	8.3	11.8	8.8	12.6	9.4	13.3	9.9	13.9	10.3	14.3	10.7	14.9	11.1	15.4	11.5	15.8	11.7	15.7	11.7	15.4	11.6	14.8	11.2	13.7	10.5	12.9	9.9
W	12.3	9.5	12.1	9.3	11.9	9.1	11.7	8.9	11.6	8.8	11.5	8.7	11.4	8.6	11.3	8.5	11.2	8.4	11.1	8.3	11.2	8.4	11.9	8.9	12.7	9.4	13.4	9.9	14.0	10.4	14.5	10.8	14.8	11.0	15.2	11.4	15.7	11.7	15.9	11.8	15.8	11.8	15.3	11.4	14.1	10.7	13.4	10.2
NW	11.8	9.2	11.5	9.0	11.3	8.8	11.1	8.6	11.0	8.5	11.0	8.4	10.9	8.3	10.8	8.3	10.7	8.1	10.6	8.0	10.7	8.1	11.4	8.6	12.2	9.2	12.9	9.7	13.4	10.1	13.9	10.5	14.2	10.7	14.5	11.0	14.6	11.2	14.9	11.3	14.8	11.2	14.4	11.0	13.5	10.4	12.8	9.9
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	11.6	9.2	11.4	9.0	11.3	8.9	11.3	8.9	11.2	8.8	11.2	8.8	11.2	8.8	11.1	8.7	11.1	8.7	11.1	8.7	11.0	8.6	11.1	8.7	11.3	8.8	11.6	9.0	11.8	9.2	12.0	9.3	12.1	9.4	12.2	9.5	12.3	9.6	12.3	9.6	12.3	9.6	12.2	9.5	12.0	9.4	11.8	9.3
NE	11.9	9.3	11.8	9.2	11.7	9.1	11.6	9.0	11.6	9.0	11.5	8.9	11.5	8.9	11.5	8.9	11.4	8.9	11.4	8.8	11.4	8.8	11.5	8.8	11.7	9.0	12.0	9.2	12.3	9.4	12.4	9.5	12.5	9.6	12.5	9.7	12.6	9.7	12.6	9.8	12.6	9.8	12.5	9.7	12.3	9.6	12.1	9.5
E	12.4	9.5	12.2	9.4	12.1	9.3	12.1	9.3	12.0	9.2	12.0	9.2	12.0	9.1	11.9	9.1	11.9	9.1	11.9	9.1	11.8	9.0	11.9	9.1	12.2	9.2	12.5	9.5	12.8	9.7	13.0	9.8	13.1	9.9	13.1	9.9	13.1	10.0	13.1	10.0	13.1	10.0	13.0	9.9	12.8	9.8	12.6	9.7
SE	12.4	9.5	12.2	9.4	12.1	9.3	12.1	9.3	12.0	9.2	12.0	9.2	12.0	9.1	11.9	9.1	11.9	9.1	11.9	9.1	11.8	9.0	11.9	9.1	12.1	9.2	12.5	9.4	12.8	9.7	13.0	9.8	13.1	9.9	13.2	10.0	13.2	10.0	13.1	10.0	13.1	10.0	13.0	9.9	12.8	9.8	12.6	9.7
S	12.2	9.5	12.1	9.3	12.0	9.3	12.0	9.2	11.9	9.1	11.9	9.1	11.8	9.1	11.8	9.1	11.8	9.0	11.8	9.0	11.7	9.0	11.8	9.0	12.0	9.1	12.2	9.3	12.5	9.5	12.7	9.7	12.9	9.8	13.1	9.9	13.2	10.0	13.2	10.0	13.1	10.0	12.9	9.9	12.7	9.8	12.5	9.6
SW	12.9	9.8	12.7	9.6	12.6	9.6	12.5	9.5	12.5	9.4	12.4	9.4	12.4	9.4	12.4	9.3	12.4	9.3	12.3	9.3	12.3	9.2	12.3	9.3	12.6	9.4	12.8	9.6	13.0	9.8	13.2	9.9	13.4	10.0	13.5	10.2	13.7	10.3	13.8	10.4	13.8	10.4	13.7	10.3	13.5	10.2	13.2	10.0
W	13.2	9.9	12.8	9.7	12.8	9.6	12.7	9.6	12.6	9.5	12.6	9.5	12.6	9.5	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.3	12.5	9.4	12.7	9.5	13.0	9.7	13.2	9.9	13.4	10.0	13.5	10.1	13.6	10.2	13.8	10.3	13.9	10.4	14.0	10.5	14.0	10.4	13.8	10.3	13.4	10.1
NW	12.6	9.6	12.2	9.4	12.1	9.3	12.1	9.3	12.0	9.2	12.0	9.2	12.0	9.1	11.9	9.1	11.9	9.1	11.9	9.1	11.8	9.0	11.9	9.0	12.1	9.2	12.4	9.4	12.6	9.6	12.8	9.7	12.9	9.8	13.0	9.9	13.1	10.0	13.1	10.0	13.2	10.1	13.2	10.1	13.1	10.0	12.8	9.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	11.7	9.2	11.4	9.0	11.3	8.9	11.2	8.8	11.1	8.7	11.0	8.7	11.0	8.6	11.0	8.6	10.9	8.6	10.9	8.5	10.8	8.5	10.9	8.5	11.2	8.7	11.5	9.0	11.8	9.2	12.1	9.4	12.3	9.5	12.4	9.6	12.5	9.8	12.6	9.8	12.5	9.8	12.4	9.7	12.2	9.6	11.9	9.4
NE	11.9	9.3	11.7	9.1	11.6	9.0	11.5	9.0	11.4	8.9	11.4	8.8	11.3	8.8	11.3	8.8	11.3	8.7	11.2	8.7	11.2	8.6	11.3	8.7	11.6	8.9	12.0	9.2	12.4	9.5	12.6	9.6	12.7	9.7	12.8	9.8	12.9	9.9	12.9	10.0	12.8	10.0	12.7	9.9	12.5	9.7	12.2	9.5
E	12.3	9.5	12.1	9.4	12.0	9.3	12.0	9.2	11.9	9.1	11.8	9.1	11.8	9.0	11.8	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.7	8.9	12.1	9.1	12.6	9.5	13.0	9.8	13.2	9.9	13.3	10.0	13.3	10.1	13.3	10.2	13.3	10.2	13.3	10.2	13.2	10.1	12.9	10.0	12.7	9.8
SE	12.3	9.5	12.1	9.4	12.0	9.3	11.9	9.2	11.9	9.1	11.8	9.1	11.8	9.0	11.7	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.7	8.9	12.0	9.1	12.5	9.4	12.9	9.7	13.2	9.9	13.4	10.1	13.5	10.2	13.4	10.2	13.3	10.2	13.3	10.2	13.2	10.1	12.9	10.0	12.7	9.8
S	12.2	9.5	12.0	9.3	11.9	9.2	11.8	9.1	11.8	9.0	11.7	9.0	11.7	9.0	11.6	8.9	11.6	8.9	11.6	8.8	11.5	8.8	11.6	8.8	11.9	9.0	12.2	9.3	12.6	9.5	12.9	9.8	13.1	10.0	13.3	10.1	13.5	10.2	13.5	10.2	13.3	10.2	13.1	10.1	12.8	9.9	12.5	9.7
SW	12.9	9.8	12.6	9.6	12.5	9.5	12.4	9.4	12.3	9.3	12.3	9.3	12.2	9.2	12.2	9.2	12.2	9.2	12.1	9.1	12.1	9.1	12.1	9.1	12.4	9.3	12.8	9.6	13.1	9.8	13.3	10.0	13.5	10.1	13.8	10.3	14.0	10.5	14.2	10.6	14.1	10.6	14.0	10.5	13.7	10.4	13.3	10.1
W	13.2	10.0	12.8	9.7	12.6	9.6	12.6	9.5	12.5	9.4	12.4	9.4	12.4	9.3	12.4	9.3	12.3	9.3	12.3	9.2	12.2	9.2	12.3	9.2	12.6	9.4	12.9	9.7	13.2	9.9	13.5	10.1	13.7	10.2	13.8	10.3	14.0	10.5	14.2	10.6	14.3	10.7	14.3	10.7	14.1	10.5	13.6	10.2
NW	12.6	9.7	12.1	9.4	12.0	9.3	12.0	9.2	11.9	9.1	11.8	9.1	11.8	9.0	11.8	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.7	8.9	12.0	9.1	12.3	9.3	12.6	9.6	12.9	9.8	13.1	9.9	13.2	10.0	13.3	10.2	13.4	10.2	13.5	10.3	13.5	10.3	13.3	10.1	12.9	9.9
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	11.7	9.2	11.3	9.0	11.2	8.8	11.1	8.7	11.0	8.6	10.9	8.6	10.9	8.5	10.8	8.5	10.8	8.5	10.7	8.4	10.7	8.3	10.8	8.4	11.1	8.6	11.5	8.9	11.9	9.2	12.2	9.4	12.4	9.6	12.6	9.8	12.7	9.9	12.7	9.9	12.7	9.9	12.5	9.8	12.3	9.7	12.0	9.5
NE	11.9	9.3	11.6	9.1	11.5	9.0	11.4	8.9	11.3	8.8	11.2	8.7	11.2	8.7	11.2	8.7	11.1	8.6	11.1	8.6	11.0	8.5	11.2	8.6	11.5	8.8	12.0	9.2	12.5	9.5	12.7	9.7	12.8	9.8	12.9	9.9	13.0	10.1	13.1	10.1	13.0	10.1	12.8	10.0	12.6	9.8	12.2	9.6
E	12.3	9.5	12.1	9.3	12.0	9.2	11.9	9.1	11.8	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.8	11.5	8.7	11.6	8.8	12.0	9.1	12.6	9.5	13.1	9.8	13.4	10.0	13.5	10.2	13.5	10.2	13.5	10.3	13.5	10.3	13.5	10.3	13.3	10.2	13.0	10.0	12.7	9.8
SE	12.3	9.5	12.1	9.3	12.0	9.2	11.9	9.1	11.8	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.8	11.5	8.7	11.6	8.8	11.9	9.1	12.5	9.4	13.0	9.8	13.4	10.0	13.6	10.2	13.7	10.3	13.6	10.3	13.5	10.3	13.5	10.3	13.3	10.2	13.0	10.0	12.7	9.8
S	12.2	9.5	12.0	9.3	11.8	9.2	11.7	9.1	11.6	9.0	11.6	8.9	11.6	8.9	11.5	8.8	11.5	8.8	11.4	8.7	11.3	8.7	11.4	8.7	11.8	9.0	12.2	9.3	12.6	9.6	13.0	9.8	13.3	10.1	13.5	10.2	13.7	10.4	13.7	10.4	13.5	10.4	13.3	10.2	12.9	10.0	12.6	9.8
SW	12.9	9.8	12.5	9.6	12.4	9.4	12.3	9.3	12.2	9.2	12.1	9.2	12.1	9.2	12.1	9.1	12.0	9.1	12.0	9.0	11.9	8.9	12.0	9.0	12.3	9.2	12.7	9.5	13.1	9.8	13.4	10.0	13.6	10.2	13.9	10.4	14.2	10.7	14.4	10.8	14.4	10.8	14.2	10.7	13.9	10.5	13.3	10.1
W	13.3	10.0	12.7	9.6	12.6	9.5	12.5	9.4	12.4	9.3	12.3	9.3	12.3	9.2	12.2	9.2	12.2	9.1	12.1	9.1	12.1	9.0	12.1	9.1	12.5	9.3	12.9	9.6	13.3	9.9	13.6	10.1	13.8	10.3	14.0	10.4	14.2	10.6	14.5	10.8	14.6	10.9	14.5	10.8	14.2	10.7	13.6	10.3
NW	12.6	9.7	12.1	9.3	12.0	9.2	11.9	9.1	11.8	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.8	11.5	8.7	11.5	8.8	11.9	9.0	12.3	9.3	12.7	9.6	13.0	9.8	13.2	10.0	13.4	10.1	13.5	10.3	13.6	10.4	13.7	10.4	13.7	10.4	13.5	10.3	13.0	10.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.4	8.0	13.3	8.0	13.2	7.9	13.2	7.8	13.1	7.8	13.1	7.8	13.1	7.8	13.1	7.7	13.0	7.7	13.0	7.7	13.1	7.7	13.4	7.9	13.7	8.1	14.1	8.4	14.4	8.6	14.7	8.7	14.9	8.9	14.9	8.9	14.9	8.9	14.8	8.9	14.5	8.8	14.2	8.6	13.9	8.4	13.5	8.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :DENİZLİ (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	10.3	8.3	9.9	8.0	9.6	7.7	9.4	7.5	9.3	7.4	9.2	7.2	9.1	7.1	8.9	6.9	8.7	6.7	9.0	6.9	10.1	7.7	11.4	8.6	12.5	9.5	13.4	10.2	14.2	10.8	14.7	11.2	15.1	11.6	15.2	11.8	15.0	11.8	14.5	11.5	13.7	10.9	12.8	10.3	11.8	9.5	10.7	8.7
NE	10.5	8.5	10.2	8.1	9.9	7.8	9.7	7.6	9.6	7.5	9.4	7.4	9.3	7.3	9.1	7.1	9.0	6.9	9.4	7.1	10.6	8.0	12.2	9.1	13.6	10.0	14.3	10.7	14.6	11.0	15.0	11.4	15.4	11.8	15.5	11.9	15.3	11.9	14.7	11.6	13.9	11.0	12.9	10.3	11.6	9.4	10.9	8.8
E	10.9	8.6	10.6	8.3	10.3	8.0	10.1	7.8	10.0	7.7	9.8	7.6	9.7	7.5	9.5	7.2	9.3	7.1	9.8	7.3	11.0	8.2	12.9	9.4	14.5	10.5	15.5	11.2	15.8	11.6	15.7	11.7	15.8	12.0	15.8	12.1	15.7	12.1	15.1	11.8	14.3	11.2	13.2	10.5	12.0	9.6	11.3	9.0
SE	10.9	8.6	10.6	8.3	10.3	8.0	10.1	7.8	10.0	7.7	9.8	7.6	9.7	7.4	9.5	7.2	9.3	7.1	9.7	7.2	10.9	8.1	12.6	9.2	14.2	10.3	15.4	11.2	16.0	11.7	16.3	12.0	16.2	12.2	15.8	12.1	15.7	12.1	15.1	11.8	14.3	11.2	13.2	10.5	12.0	9.6	11.3	9.0
S	10.8	8.6	10.5	8.3	10.2	8.0	10.0	7.8	9.9	7.7	9.7	7.5	9.6	7.4	9.4	7.2	9.2	7.0	9.5	7.1	10.6	7.9	11.9	8.9	13.2	9.8	14.5	10.7	15.4	11.4	16.2	12.0	16.6	12.4	16.6	12.5	16.1	12.3	15.3	11.8	14.2	11.2	13.2	10.5	11.9	9.5	11.2	9.0
SW	11.3	8.8	11.0	8.5	10.7	8.2	10.5	8.0	10.4	7.9	10.2	7.7	10.1	7.6	9.9	7.4	9.7	7.2	9.9	7.4	11.0	8.2	12.3	9.1	13.5	10.0	14.5	10.7	15.2	11.3	16.1	11.9	17.1	12.6	17.6	13.0	17.5	13.0	17.0	12.7	16.0	12.1	14.2	11.0	12.9	10.0	11.7	9.2
W	11.4	8.9	11.1	8.6	10.8	8.3	10.6	8.1	10.5	8.0	10.3	7.8	10.2	7.7	10.0	7.5	9.8	7.3	10.1	7.4	11.2	8.2	12.5	9.2	13.6	10.0	14.6	10.8	15.3	11.4	15.8	11.8	16.6	12.4	17.4	12.9	17.7	13.1	17.5	13.0	16.7	12.4	14.8	11.3	13.6	10.4	11.8	9.3
NW	10.9	8.6	10.6	8.3	10.3	8.0	10.1	7.8	10.0	7.7	9.8	7.6	9.7	7.5	9.5	7.2	9.3	7.1	9.6	7.2	10.7	8.0	12.0	8.9	13.1	9.8	14.1	10.5	14.8	11.1	15.4	11.5	15.8	12.0	16.0	12.2	16.4	12.5	16.3	12.4	15.7	11.9	14.2	11.0	13.1	10.1	11.3	9.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.7	9.2	11.6	9.1	11.5	9.0	11.5	9.0	11.4	9.0	11.4	8.9	11.4	8.9	11.4	8.9	11.4	8.9	11.4	8.9	11.3	8.9	11.3	8.9	11.4	8.9	11.5	8.9	11.6	9.0	11.7	9.1	11.8	9.2	11.9	9.2	11.9	9.3	11.9	9.3	12.0	9.3	11.9	9.3	11.9	9.3	11.8	9.3
NE	12.0	9.4	11.9	9.3	11.9	9.2	11.8	9.2	11.8	9.1	11.8	9.1	11.7	9.1	11.7	9.1	11.7	9.1	11.7	9.1	11.7	9.0	11.7	9.0	11.7	9.0	11.8	9.1	12.0	9.2	12.1	9.3	12.2	9.4	12.2	9.4	12.2	9.5	12.3	9.5	12.3	9.5	12.3	9.5	12.2	9.5	12.1	9.4
E	12.5	9.6	12.4	9.5	12.3	9.5	12.3	9.4	12.3	9.4	12.2	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.1	9.3	12.2	9.3	12.3	9.4	12.5	9.5	12.6	9.6	12.7	9.7	12.8	9.7	12.8	9.7	12.8	9.7	12.8	9.7	12.8	9.7	12.7	9.7	12.6	9.7
SE	12.5	9.6	12.4	9.5	12.3	9.5	12.3	9.4	12.3	9.4	12.2	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.1	9.3	12.2	9.3	12.3	9.4	12.5	9.5	12.6	9.6	12.7	9.7	12.8	9.7	12.8	9.7	12.8	9.8	12.8	9.7	12.8	9.7	12.7	9.7	12.6	9.7
S	12.4	9.5	12.3	9.4	12.2	9.4	12.2	9.4	12.1	9.3	12.1	9.3	12.1	9.3	12.1	9.3	12.1	9.3	12.1	9.2	12.0	9.2	12.0	9.2	12.0	9.2	12.2	9.3	12.3	9.4	12.4	9.5	12.5	9.6	12.6	9.6	12.7	9.7	12.7	9.7	12.7	9.7	12.7	9.7	12.6	9.7	12.5	9.6
SW	13.0	9.9	12.9	9.8	12.8	9.7	12.8	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.5	12.6	9.5	12.6	9.5	12.6	9.5	12.6	9.5	12.7	9.6	12.9	9.7	13.0	9.8	13.1	9.8	13.1	9.9	13.2	9.9	13.3	10.0	13.4	10.1	13.4	10.1	13.3	10.0	13.2	10.0
W	13.3	10.0	13.1	9.9	13.0	9.8	12.9	9.7	12.9	9.7	12.9	9.7	12.9	9.7	12.8	9.6	12.8	9.6	12.8	9.6	12.8	9.6	12.8	9.6	12.8	9.6	12.9	9.7	13.0	9.8	13.1	9.8	13.2	9.9	13.3	10.0	13.4	10.0	13.4	10.1	13.5	10.1	13.5	10.1	13.5	10.1	13.4	10.1
NW	12.6	9.6	12.5	9.6	12.3	9.5	12.3	9.4	12.3	9.4	12.2	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.1	9.3	12.2	9.3	12.3	9.4	12.4	9.4	12.5	9.5	12.6	9.6	12.7	9.7	12.7	9.7	12.8	9.7	12.8	9.8	12.8	9.8	12.8	9.8	12.8	9.7
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	11.7	9.2	11.3	9.0	11.2	8.9	11.1	8.8	11.0	8.7	11.0	8.6	10.9	8.6	10.9	8.5	10.9	8.5	10.8	8.4	10.7	8.4	10.8	8.4	11.2	8.7	11.5	8.9	11.9	9.2	12.2	9.4	12.4	9.6	12.5	9.7	12.6	9.8	12.7	9.9	12.6	9.9	12.5	9.8	12.2	9.6	12.0	9.4
NE	11.9	9.3	11.7	9.1	11.5	9.0	11.4	8.9	11.4	8.8	11.3	8.8	11.3	8.7	11.2	8.7	11.2	8.7	11.1	8.6	11.1	8.6	11.2	8.6	11.6	8.9	12.0	9.2	12.4	9.5	12.7	9.7	12.7	9.8	12.9	9.9	13.0	10.0	13.0	10.1	12.9	10.0	12.8	9.9	12.5	9.8	12.2	9.6
E	12.3	9.5	12.1	9.4	12.0	9.2	11.9	9.1	11.8	9.1	11.8	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.8	11.7	8.8	12.0	9.1	12.6	9.5	13.0	9.8	13.3	10.0	13.4	10.1	13.4	10.2	13.4	10.2	13.5	10.3	13.4	10.3	13.2	10.2	13.0	10.0	12.7	9.8
SE	12.3	9.5	12.1	9.4	12.0	9.2	11.9	9.1	11.8	9.1	11.7	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.8	11.6	8.8	12.0	9.1	12.5	9.4	13.0	9.7	13.3	10.0	13.5	10.1	13.6	10.2	13.5	10.3	13.4	10.3	13.4	10.3	13.2	10.2	13.0	10.0	12.7	9.8
S	12.2	9.5	12.0	9.3	11.9	9.2	11.8	9.1	11.7	9.0	11.6	8.9	11.6	8.9	11.6	8.9	11.5	8.8	11.5	8.8	11.4	8.7	11.5	8.8	11.8	9.0	12.2	9.3	12.6	9.6	13.0	9.8	13.2	10.0	13.5	10.2	13.6	10.3	13.6	10.3	13.4	10.3	13.2	10.2	12.9	9.9	12.6	9.7
SW	12.9	9.8	12.6	9.6	12.4	9.5	12.3	9.4	12.3	9.3	12.2	9.2	12.2	9.2	12.1	9.1	12.1	9.1	12.0	9.1	12.0	9.0	12.0	9.0	12.4	9.3	12.7	9.6	13.1	9.8	13.4	10.0	13.6	10.2	13.9	10.4	14.1	10.6	14.3	10.7	14.3	10.7	14.1	10.6	13.8	10.4	13.3	10.1
W	13.2	10.0	12.7	9.7	12.6	9.5	12.5	9.4	12.4	9.4	12.4	9.3	12.3	9.3	12.3	9.2	12.2	9.2	12.2	9.1	12.1	9.1	12.2	9.1	12.5	9.4	12.9	9.6	13.2	9.9	13.5	10.1	13.8	10.3	13.9	10.4	14.1	10.6	14.4	10.7	14.5	10.8	14.4	10.8	14.2	10.6	13.6	10.3
NW	12.6	9.7	12.1	9.4	12.0	9.2	11.9	9.1	11.8	9.1	11.8	9.0	11.7	9.0	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.8	11.6	8.8	11.9	9.1	12.3	9.3	12.6	9.6	12.9	9.8	13.1	10.0	13.3	10.1	13.4	10.2	13.5	10.3	13.6	10.4	13.6	10.4	13.4	10.2	13.0	9.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.7	9.2	11.6	9.1	11.5	9.0	11.5	9.0	11.5	9.0	11.5	9.0	11.4	9.0	11.4	8.9	11.4	8.9	11.4	8.9	11.4	8.9	11.4	8.9	11.4	8.9	11.5	9.0	11.6	9.0	11.7	9.1	11.8	9.2	11.8	9.2	11.9	9.2	11.9	9.3	11.9	9.3	11.9	9.3	11.8	9.3	11.8	9.2
NE	12.0	9.3	11.9	9.3	11.9	9.2	11.8	9.2	11.8	9.2	11.8	9.1	11.8	9.1	11.8	9.1	11.8	9.1	11.8	9.1	11.7	9.1	11.7	9.1	11.8	9.1	11.9	9.2	12.0	9.2	12.1	9.3	12.1	9.4	12.2	9.4	12.2	9.4	12.2	9.5	12.2	9.5	12.2	9.5	12.2	9.4	12.1	9.4
E	12.5	9.6	12.4	9.5	12.4	9.5	12.3	9.4	12.3	9.4	12.3	9.4	12.3	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.3	9.4	12.5	9.5	12.6	9.6	12.7	9.6	12.7	9.7	12.7	9.7	12.7	9.7	12.7	9.7	12.7	9.7	12.7	9.7	12.6	9.6
SE	12.5	9.6	12.4	9.5	12.4	9.5	12.3	9.4	12.3	9.4	12.3	9.4	12.3	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.3	9.4	12.5	9.5	12.6	9.6	12.7	9.6	12.7	9.7	12.7	9.7	12.7	9.7	12.7	9.7	12.7	9.7	12.7	9.7	12.6	9.6
S	12.4	9.5	12.3	9.4	12.2	9.4	12.2	9.4	12.2	9.3	12.2	9.3	12.1	9.3	12.1	9.3	12.1	9.3	12.1	9.3	12.1	9.3	12.1	9.2	12.1	9.3	12.2	9.3	12.3	9.4	12.4	9.5	12.5	9.5	12.6	9.6	12.6	9.6	12.7	9.7	12.7	9.7	12.6	9.7	12.6	9.6	12.5	9.6
SW	13.0	9.8	12.9	9.8	12.8	9.7	12.8	9.7	12.8	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.5	12.7	9.6	12.8	9.6	12.9	9.7	13.0	9.8	13.0	9.8	13.1	9.9	13.2	9.9	13.2	10.0	13.3	10.0	13.3	10.0	13.2	10.0	13.2	9.9
W	13.2	9.9	13.1	9.9	13.0	9.8	13.0	9.7	12.9	9.7	12.9	9.7	12.9	9.7	12.9	9.7	12.9	9.7	12.9	9.7	12.8	9.6	12.8	9.6	12.9	9.6	12.9	9.7	13.0	9.8	13.1	9.8	13.2	9.9	13.3	9.9	13.3	10.0	13.4	10.0	13.4	10.1	13.5	10.1	13.4	10.1	13.4	10.0
NW	12.6	9.6	12.5	9.5	12.4	9.5	12.3	9.4	12.3	9.4	12.3	9.4	12.3	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.3	9.4	12.4	9.5	12.5	9.5	12.6	9.6	12.6	9.6	12.7	9.7	12.7	9.7	12.7	9.7	12.8	9.7	12.7	9.7	12.7	9.7
	R2 - 12cm Concrete+2 cm plaster																																															
R	6.8	3.9	6.4	3.5	6.1	3.2	5.8	2.9	5.6	2.7	5.2	2.3	4.8	1.9	5.6	2.3	8.9	4.5	13.3	7.3	17.7	10.1	21.6	12.5	24.3	14.3	26.4	15.8	27.4	16.7	27.1	16.8	25.3	16.1	22.8	14.7	19.2	12.6	14.8	10.0	11.0	7.5	9.0	6.0	8.1	5.2	7.4	4.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :DİYARBAKIR (37.55)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	13.3	11.3	13.0	11.0	12.8	10.7	12.5	10.5	12.4	10.3	12.1	10.0	11.9	9.9	11.8	9.8	11.7	9.6	11.6	9.6	12.3	9.9	12.9	10.5	13.2	10.8	13.8	11.4	14.4	11.8	14.9	12.2	15.3	12.5	15.5	12.7	15.7	12.9	15.7	12.9	15.4	12.7	15.1	12.6	15.1	12.5	14.2	11.9
NE	15.4	12.3	15.1	12.0	14.9	11.8	14.6	11.5	14.5	11.4	14.2	11.1	14.1	11.0	14.0	10.9	13.8	10.7	13.8	10.7	15.7	11.6	17.1	12.6	17.9	13.2	17.9	13.4	17.7	13.5	17.2	13.3	17.4	13.6	17.7	13.8	17.8	13.9	17.8	13.9	17.6	13.8	17.2	13.6	16.7	13.3	16.1	12.8
E	17.1	13.2	16.8	12.9	16.6	12.6	16.3	12.4	16.2	12.3	15.9	11.9	15.8	11.8	15.6	11.7	15.5	11.6	15.5	11.5	17.6	12.6	19.3	13.7	20.7	14.6	21.0	15.0	20.9	15.1	20.3	14.9	19.6	14.7	19.4	14.6	19.5	14.8	19.5	14.8	19.3	14.7	18.9	14.5	18.4	14.1	17.8	13.6
SE	17.2	13.2	16.9	12.9	16.7	12.7	16.4	12.4	16.3	12.3	16.0	12.0	15.9	11.9	15.7	11.7	15.6	11.6	15.5	11.6	16.6	12.1	18.2	13.1	19.6	14.1	20.5	14.7	21.0	15.1	20.9	15.2	20.6	15.1	20.1	15.0	19.6	14.8	19.6	14.8	19.3	14.7	19.0	14.5	18.5	14.2	17.8	13.7
S	14.9	12.1	14.6	11.8	14.4	11.6	14.2	11.3	14.0	11.2	13.7	10.9	13.6	10.7	13.5	10.6	13.3	10.5	13.3	10.4	13.3	10.4	14.1	11.1	14.8	11.6	16.0	12.5	17.1	13.2	17.9	13.7	18.4	14.0	18.6	14.2	18.6	14.3	18.2	14.1	17.6	13.8	16.7	13.4	16.3	13.0	15.6	12.6
SW	16.1	12.7	15.8	12.4	15.6	12.1	15.3	11.9	15.2	11.8	14.9	11.4	14.8	11.3	14.7	11.2	14.5	11.1	14.5	11.0	14.5	11.0	15.3	11.7	16.0	12.2	16.7	12.8	17.2	13.2	17.7	13.6	18.8	14.2	19.8	14.8	20.5	15.3	20.7	15.4	20.7	15.4	20.2	15.1	19.2	14.5	17.2	13.4
W	16.5	12.8	16.1	12.5	15.9	12.3	15.7	12.0	15.5	11.9	15.2	11.6	15.1	11.5	15.0	11.4	14.8	11.2	14.8	11.2	14.8	11.2	15.6	11.9	16.3	12.4	17.0	13.0	17.5	13.4	18.1	13.8	18.5	14.1	19.2	14.5	20.3	15.2	21.0	15.5	21.5	15.8	21.5	15.7	20.8	15.3	18.1	13.8
NW	15.0	12.1	14.6	11.8	14.4	11.6	14.2	11.3	14.0	11.2	13.7	10.9	13.6	10.7	13.5	10.6	13.3	10.5	13.3	10.4	13.3	10.4	14.1	11.1	14.8	11.6	15.5	12.2	16.1	12.6	16.6	13.0	17.0	13.3	17.2	13.5	17.5	13.8	18.3	14.2	18.8	14.4	19.0	14.5	18.8	14.3	16.5	13.0
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	13.8	11.5	13.5	11.3	13.4	11.2	13.3	11.1	13.3	11.0	13.2	11.0	13.1	10.9	13.1	10.8	13.0	10.8	13.0	10.7	13.0	10.7	13.2	10.8	13.4	11.0	13.5	11.1	13.7	11.3	13.9	11.4	14.0	11.6	14.2	11.6	14.2	11.7	14.3	11.8	14.3	11.8	14.2	11.7	14.1	11.7	14.1	11.6
NE	16.1	12.6	15.9	12.4	15.8	12.3	15.7	12.3	15.6	12.2	15.6	12.1	15.5	12.0	15.4	12.0	15.4	12.0	15.4	11.9	15.3	11.9	16.0	12.2	16.4	12.5	16.7	12.7	16.7	12.8	16.6	12.8	16.5	12.8	16.5	12.8	16.6	12.9	16.7	13.0	16.6	13.0	16.6	12.9	16.5	12.8	16.3	12.7
E	18.0	13.5	17.8	13.4	17.7	13.3	17.6	13.2	17.5	13.1	17.5	13.1	17.4	13.0	17.3	12.9	17.3	12.9	17.2	12.9	17.2	12.8	17.9	13.2	18.5	13.5	18.9	13.8	19.0	14.0	19.0	14.0	18.8	13.9	18.6	13.9	18.5	13.8	18.5	13.9	18.5	13.9	18.4	13.9	18.3	13.8	18.2	13.7
SE	18.0	13.5	17.8	13.4	17.7	13.3	17.6	13.2	17.5	13.1	17.5	13.1	17.4	13.0	17.4	13.0	17.3	12.9	17.3	12.9	17.3	12.9	17.6	13.0	18.1	13.4	18.6	13.7	18.8	13.9	19.0	14.0	19.0	14.0	18.9	14.0	18.7	14.0	18.6	13.9	18.6	13.9	18.5	13.9	18.4	13.8	18.2	13.7
S	15.5	12.3	15.3	12.2	15.2	12.1	15.2	12.0	15.1	11.9	15.0	11.9	14.9	11.8	14.9	11.7	14.9	11.7	14.8	11.7	14.8	11.6	14.8	11.6	15.1	11.9	15.3	12.0	15.7	12.3	16.0	12.5	16.3	12.7	16.4	12.8	16.5	12.9	16.5	12.9	16.4	12.8	16.2	12.7	15.9	12.6	15.8	12.5
SW	17.0	13.1	16.7	12.8	16.6	12.7	16.5	12.7	16.4	12.6	16.4	12.5	16.3	12.4	16.2	12.4	16.2	12.4	16.1	12.3	16.1	12.3	16.1	12.3	16.4	12.5	16.6	12.7	16.8	12.9	17.0	13.0	17.2	13.1	17.5	13.3	17.8	13.5	18.1	13.7	18.1	13.7	18.1	13.7	18.0	13.6	17.7	13.4
W	17.5	13.3	17.0	13.0	16.9	12.9	16.8	12.8	16.8	12.8	16.7	12.7	16.6	12.6	16.6	12.6	16.5	12.5	16.5	12.5	16.5	12.5	16.5	12.5	16.7	12.7	17.0	12.9	17.2	13.0	17.4	13.2	17.5	13.3	17.7	13.4	17.9	13.6	18.3	13.8	18.5	13.9	18.7	14.0	18.6	13.9	18.4	13.8
NW	15.9	12.5	15.4	12.2	15.3	12.1	15.2	12.0	15.1	11.9	15.1	11.9	15.0	11.8	14.9	11.7	14.9	11.7	14.8	11.7	14.8	11.6	14.8	11.6	15.1	11.9	15.3	12.0	15.5	12.2	15.7	12.4	15.9	12.5	16.0	12.6	16.1	12.6	16.2	12.7	16.4	12.8	16.6	12.9	16.7	13.0	16.6	12.9
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	13.9	11.5	13.5	11.3	13.3	11.1	13.2	11.0	13.1	10.9	13.1	10.9	12.9	10.7	12.9	10.7	12.8	10.6	12.8	10.6	12.7	10.5	13.1	10.7	13.3	10.9	13.4	11.1	13.7	11.3	13.9	11.5	14.2	11.7	14.3	11.8	14.5	11.9	14.5	12.0	14.5	12.0	14.4	11.9	14.3	11.8	14.3	11.8
NE	16.1	12.6	15.8	12.4	15.7	12.3	15.6	12.2	15.5	12.1	15.4	12.0	15.3	11.9	15.2	11.8	15.2	11.8	15.1	11.7	15.1	11.7	15.9	12.1	16.5	12.5	16.9	12.8	16.9	12.9	16.8	12.9	16.6	12.9	16.7	13.0	16.8	13.0	16.9	13.1	16.8	13.1	16.7	13.1	16.6	13.0	16.4	12.8
E	17.9	13.5	17.7	13.3	17.5	13.2	17.4	13.1	17.3	13.0	17.3	12.9	17.1	12.8	17.1	12.8	17.0	12.7	17.0	12.6	16.9	12.6	17.8	13.1	18.6	13.6	19.2	14.0	19.3	14.1	19.3	14.2	19.0	14.1	18.7	14.0	18.6	14.0	18.7	14.0	18.7	14.0	18.6	14.0	18.4	13.9	18.2	13.8
SE	18.0	13.6	17.7	13.4	17.6	13.2	17.5	13.1	17.3	13.0	17.3	13.0	17.2	12.8	17.1	12.8	17.0	12.7	17.0	12.7	17.0	12.6	17.4	12.9	18.1	13.3	18.8	13.7	19.1	14.0	19.3	14.2	19.3	14.2	19.2	14.2	19.0	14.1	18.7	14.1	18.7	14.1	18.6	14.0	18.5	13.9	18.3	13.8
S	15.6	12.4	15.3	12.2	15.1	12.0	15.0	11.9	14.9	11.8	14.9	11.8	14.7	11.6	14.7	11.6	14.6	11.5	14.6	11.5	14.6	11.4	14.6	11.4	14.9	11.7	15.2	12.0	15.8	12.3	16.2	12.6	16.6	12.9	16.8	13.0	16.9	13.1	16.9	13.1	16.7	13.1	16.4	12.9	16.1	12.7	15.9	12.6
SW	17.1	13.1	16.6	12.8	16.4	12.7	16.3	12.6	16.2	12.5	16.2	12.4	16.0	12.3	16.0	12.2	15.9	12.2	15.9	12.1	15.8	12.1	15.9	12.1	16.2	12.4	16.5	12.6	16.8	12.8	17.0	13.0	17.3	13.2	17.7	13.5	18.1	13.7	18.5	13.9	18.5	14.0	18.6	14.0	18.3	13.8	17.9	13.6
W	17.6	13.4	16.9	13.0	16.8	12.8	16.7	12.7	16.6	12.6	16.5	12.6	16.4	12.4	16.3	12.4	16.3	12.3	16.2	12.3	16.2	12.3	16.2	12.3	16.6	12.6	16.9	12.8	17.2	13.0	17.4	13.2	17.6	13.4	17.8	13.5	18.1	13.7	18.6	14.0	18.9	14.2	19.1	14.3	19.1	14.2	18.8	14.1
NW	16.0	12.6	15.3	12.2	15.2	12.0	15.1	11.9	14.9	11.8	14.9	11.8	14.8	11.6	14.7	11.6	14.6	11.5	14.6	11.5	14.6	11.4	14.6	11.4	14.9	11.7	15.2	12.0	15.5	12.2	15.8	12.4	16.0	12.6	16.2	12.7	16.3	12.8	16.4	12.9	16.7	13.1	17.0	13.2	17.1	13.2	17.0	13.1
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	13.9	11.6	13.4	11.3	13.3	11.1	13.2	11.0	13.0	10.8	13.0	10.8	12.8	10.6	12.7	10.5	12.7	10.5	12.6	10.4	12.6	10.4	12.9	10.6	13.3	10.9	13.4	11.0	13.7	11.3	14.0	11.5	14.3	11.7	14.5	11.9	14.6	12.0	14.7	12.1	14.7	12.1	14.6	12.0	14.4	11.9	14.4	11.9
NE	16.1	12.6	15.7	12.4	15.6	12.2	15.5	12.1	15.3	12.0	15.3	11.9	15.1	11.8	15.0	11.7	15.0	11.6	14.9	11.6	14.9	11.5	15.9	12.1	16.6	12.5	17.0	12.9	17.1	13.0	16.9	13.0	16.7	12.9	16.8	13.0	16.9	13.2	17.0	13.2	17.0	13.2	16.9	13.2	16.7	13.1	16.4	12.9
E	17.9	13.6	17.6	13.3	17.4	13.2	17.3	13.0	17.2	12.9	17.1	12.8	16.9	12.7	16.9	12.6	16.8	12.6	16.7	12.5	16.7	12.5	17.8	13.0	18.7	13.6	19.4	14.1	19.6	14.3	19.6	14.3	19.2	14.2	18.9	14.1	18.7	14.1	18.8	14.2	18.8	14.2	18.7	14.1	18.5	14.0	18.3	13.8
SE	17.9	13.6	17.6	13.3	17.5	13.2	17.3	13.1	17.2	12.9	17.1	12.9	17.0	12.7	16.9	12.6	16.8	12.6	16.8	12.5	16.8	12.5	17.3	12.7	18.1	13.3	18.9	13.8	19.3	14.1	19.6	14.3	19.5	14.4	19.4	14.3	19.1	14.3	18.9	14.2	18.9	14.2	18.7	14.1	18.6	14.0	18.3	13.8
S	15.6	12.4	15.2	12.1	15.1	12.0	14.9	11.9	14.8	11.7	14.7	11.7	14.6	11.5	14.5	11.4	14.5	11.4	14.4	11.3	14.4	11.3	14.4	11.3	14.8	11.6	15.1	11.9	15.8	12.3	16.4	12.7	16.8	13.0	17.0	13.2	17.1	13.3	17.1	13.3	16.9	13.2	16.6	13.0	16.2	12.8	15.9	12.6
SW	17.1	13.1	16.5	12.8	16.3	12.6	16.2	12.5	16.1	12.4	16.0	12.3	15.9	12.1	15.8	12.1	15.7	12.0	15.7	11.9	15.6	11.9	15.7	11.9	16.1	12.3	16.4	12.6	16.8	12.8	17.1	13.1	17.3	13.3	17.9	13.6	18.4	13.9	18.8	14.1	18.9	14.2	18.9	14.2	18.6	14.0	18.1	13.7
W	17.7	13.5	16.9	13.0	16.7	12.8	16.6	12.7	16.4	12.5	16.4	12.5	16.2	12.3	16.1	12.3	16.1	12.2	16.0	12.1	16.0	12.1	16.0	12.1	16.4	12.4	16.8	12.7	17.1	13.0	17.4	13.2	17.7	13.4	17.9	13.6	18.3	13.8	18.9	14.2	19.2	14.4	19.5	14.5	19.5	14.5	19.1	14.2
NW	16.1	12.6	15.2	12.2	15.1	12.0	15.0	11.9	14.8	11.7	14.8	11.7	14.6	11.5	14.5	11.4	14.5	11.4	14.4	11.3	14.4	11.3	14.4	11.3	14.8	11.6	15.2	11.9	15.5	12.2	15.8	12.4	16.1	12.6	16.3	12.8	16.4	12.9	16.6	13.0	17.0	13.2	17.3	13.4	17.4	13.4	17.2	13.3
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	19.4	12.3	19.3	12.2	19.3	12.1	19.2	12.0	19.1	12.0	19.1	11.9	19.0	11.9	19.0	11.8	18.9	11.8	18.9	11.8	19.0	11.8	19.4	12.1	20.0	12.4	20.4	12.7	20.8	13.0	21.1	13.1	21.2	13.2	21.3	13.3	21.3	13.3	21.1	13.2	20.9	13.1	20.6	12.9	20.2	12.7	19.7	12.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :DİYARBAKIR (37.55)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	12.6	10.8	12.2	10.4	11.8	10.0	11.6	9.8	11.1	9.2	10.9	9.0	10.7	8.8	10.4	8.6	10.4	8.5	11.5	9.1	12.5	10.1	12.9	10.6	14.0	11.4	14.9	12.2	15.7	12.8	16.4	13.3	16.8	13.6	17.0	13.9	17.0	13.9	16.6	13.7	16.1	13.4	16.1	13.2	14.7	12.3	13.1	11.3
NE	14.5	11.7	14.1	11.3	13.7	10.9	13.5	10.7	13.0	10.2	12.8	10.0	12.6	9.8	12.4	9.6	12.3	9.5	15.5	11.1	17.7	12.7	19.1	13.7	19.1	14.0	18.7	14.1	17.9	13.9	18.3	14.2	18.7	14.6	18.9	14.9	18.9	14.9	18.5	14.7	18.0	14.3	17.2	13.8	16.0	13.0	15.0	12.2
E	16.0	12.5	15.6	12.1	15.2	11.7	15.0	11.5	14.5	11.0	14.3	10.8	14.1	10.6	13.9	10.3	13.8	10.3	17.2	12.0	20.1	13.9	22.3	15.3	22.9	15.9	22.8	16.1	21.8	15.8	20.6	15.4	20.2	15.4	20.5	15.6	20.4	15.6	20.0	15.4	19.5	15.1	18.7	14.5	17.6	13.7	16.5	13.0
SE	16.1	12.5	15.8	12.2	15.4	11.7	15.1	11.5	14.6	11.0	14.4	10.8	14.2	10.6	14.0	10.4	13.9	10.3	15.6	11.2	18.2	12.9	20.7	14.5	22.1	15.5	22.8	16.2	22.7	16.3	22.2	16.2	21.4	16.0	20.6	15.7	20.6	15.7	20.2	15.5	19.6	15.2	18.8	14.6	17.7	13.8	16.7	13.0
S	14.1	11.5	13.7	11.1	13.3	10.7	13.1	10.5	12.5	10.0	12.3	9.8	12.1	9.6	11.9	9.4	11.8	9.3	11.9	9.3	13.2	10.4	14.3	11.3	16.4	12.6	18.1	13.8	19.4	14.6	20.2	15.2	20.6	15.6	20.6	15.7	19.9	15.4	18.9	14.9	17.5	14.1	16.7	13.6	15.6	12.8	14.6	12.0
SW	15.1	12.0	14.7	11.7	14.3	11.2	14.1	11.0	13.6	10.5	13.4	10.3	13.2	10.1	13.0	9.9	12.9	9.8	12.9	9.8	14.2	10.9	15.4	11.8	16.5	12.7	17.4	13.4	18.3	14.1	20.0	15.1	21.6	16.0	22.8	16.8	23.1	17.0	23.1	17.0	22.3	16.5	20.7	15.6	17.5	13.7	15.6	12.5
W	15.4	12.2	15.0	11.8	14.6	11.4	14.4	11.2	13.9	10.7	13.7	10.5	13.5	10.3	13.3	10.0	13.2	10.0	13.2	10.0	14.5	11.1	15.6	12.0	16.8	12.9	17.7	13.6	18.6	14.2	19.2	14.7	20.5	15.5	22.3	16.5	23.4	17.1	24.3	17.5	24.1	17.4	23.1	16.7	18.6	14.3	15.9	12.7
NW	14.1	11.5	13.7	11.1	13.3	10.7	13.1	10.5	12.5	10.0	12.4	9.8	12.2	9.6	11.9	9.4	11.9	9.3	11.9	9.3	13.2	10.4	14.3	11.3	15.5	12.2	16.4	12.9	17.2	13.5	17.9	14.0	18.3	14.4	18.8	14.8	20.0	15.4	20.9	15.9	21.3	16.0	20.8	15.6	17.1	13.5	14.6	12.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	13.8	11.4	13.7	11.3	13.6	11.2	13.5	11.2	13.5	11.2	13.4	11.1	13.4	11.1	13.4	11.1	13.3	11.0	13.3	11.0	13.3	11.0	13.3	11.0	13.4	11.0	13.5	11.1	13.5	11.2	13.6	11.3	13.7	11.3	13.8	11.4	13.9	11.4	13.9	11.5	13.9	11.5	13.9	11.5	13.9	11.5	13.8	11.5
NE	16.2	12.6	16.1	12.5	16.0	12.5	15.9	12.4	15.9	12.4	15.9	12.3	15.8	12.3	15.8	12.3	15.8	12.3	15.8	12.2	15.7	12.2	15.7	12.2	16.0	12.4	16.3	12.5	16.4	12.6	16.4	12.6	16.3	12.6	16.3	12.6	16.3	12.7	16.3	12.7	16.4	12.7	16.4	12.7	16.3	12.7	16.3	12.7
E	18.1	13.6	18.0	13.5	17.9	13.4	17.9	13.4	17.8	13.3	17.8	13.3	17.8	13.3	17.7	13.2	17.7	13.2	17.7	13.2	17.7	13.2	17.7	13.2	18.0	13.3	18.3	13.5	18.5	13.6	18.5	13.7	18.5	13.7	18.4	13.7	18.3	13.7	18.3	13.7	18.3	13.7	18.3	13.7	18.3	13.7	18.2	13.6
SE	18.1	13.6	18.0	13.5	17.9	13.4	17.9	13.4	17.8	13.3	17.8	13.3	17.8	13.3	17.7	13.2	17.7	13.2	17.7	13.2	17.7	13.2	17.7	13.2	17.8	13.3	18.1	13.4	18.3	13.6	18.4	13.7	18.5	13.7	18.5	13.7	18.5	13.7	18.4	13.7	18.3	13.7	18.3	13.7	18.3	13.7	18.2	13.6
S	15.6	12.3	15.5	12.3	15.4	12.2	15.4	12.1	15.4	12.1	15.3	12.1	15.3	12.0	15.2	12.0	15.2	12.0	15.2	12.0	15.2	11.9	15.2	11.9	15.2	11.9	15.3	12.0	15.4	12.1	15.6	12.3	15.8	12.4	15.9	12.4	16.0	12.5	16.0	12.5	16.0	12.5	16.0	12.5	15.9	12.5	15.7	12.4
SW	17.3	13.2	17.0	13.0	16.8	12.9	16.7	12.8	16.7	12.8	16.7	12.7	16.6	12.7	16.6	12.7	16.6	12.6	16.6	12.6	16.5	12.6	16.5	12.6	16.5	12.6	16.7	12.7	16.8	12.8	16.9	12.9	17.0	12.9	17.0	13.0	17.2	13.1	17.4	13.2	17.5	13.3	17.5	13.3	17.5	13.3	17.4	13.2
W	17.8	13.4	17.4	13.2	17.2	13.0	17.1	13.0	17.1	13.0	17.0	12.9	17.0	12.9	17.0	12.9	16.9	12.8	16.9	12.8	16.9	12.8	16.9	12.8	16.9	12.8	17.0	12.9	17.1	13.0	17.2	13.1	17.3	13.1	17.4	13.2	17.5	13.2	17.6	13.3	17.8	13.4	17.9	13.5	18.0	13.5	17.9	13.5
NW	16.1	12.5	15.7	12.3	15.5	12.2	15.4	12.1	15.4	12.1	15.3	12.1	15.3	12.1	15.3	12.0	15.2	12.0	15.2	12.0	15.2	11.9	15.2	11.9	15.2	11.9	15.3	12.0	15.4	12.1	15.5	12.2	15.6	12.3	15.7	12.3	15.8	12.4	15.8	12.4	15.9	12.5	16.0	12.5	16.1	12.6	16.1	12.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	14.3	11.8	13.9	11.6	13.5	11.3	13.3	11.1	13.2	11.0	13.1	10.9	13.0	10.8	12.9	10.7	12.8	10.6	12.7	10.5	12.7	10.5	12.6	10.4	13.0	10.6	13.3	10.9	13.4	11.0	13.7	11.3	14.0	11.5	14.2	11.7	14.4	11.8	14.5	12.0	14.6	12.0	14.6	12.0	14.5	12.0	14.3	11.9
NE	16.4	12.9	16.1	12.6	15.8	12.4	15.6	12.3	15.5	12.2	15.4	12.0	15.3	12.0	15.2	11.8	15.1	11.8	15.1	11.7	15.0	11.6	15.0	11.6	15.9	12.1	16.6	12.5	17.0	12.8	17.0	12.9	16.9	13.0	16.6	12.9	16.7	13.0	16.9	13.1	16.9	13.2	16.9	13.2	16.8	13.1	16.6	13.0
E	18.2	13.8	17.9	13.6	17.6	13.3	17.5	13.2	17.3	13.1	17.2	12.9	17.2	12.9	17.0	12.7	16.9	12.7	16.9	12.6	16.8	12.5	16.8	12.5	17.8	13.0	18.7	13.6	19.3	14.0	19.5	14.2	19.5	14.3	19.2	14.2	18.8	14.0	18.7	14.0	18.8	14.1	18.8	14.1	18.6	14.1	18.5	13.9
SE	18.3	13.8	18.0	13.6	17.6	13.3	17.5	13.2	17.4	13.1	17.3	13.0	17.2	12.9	17.0	12.7	17.0	12.7	16.9	12.6	16.9	12.6	16.8	12.5	17.3	12.8	18.1	13.3	18.8	13.8	19.3	14.1	19.5	14.3	19.4	14.3	19.3	14.3	19.1	14.2	18.8	14.1	18.8	14.1	18.7	14.1	18.5	14.0
S	15.9	12.6	15.6	12.4	15.2	12.1	15.1	12.0	15.0	11.9	14.9	11.8	14.8	11.7	14.6	11.5	14.6	11.5	14.5	11.4	14.5	11.4	14.4	11.3	14.5	11.3	14.8	11.7	15.2	11.9	15.8	12.3	16.3	12.7	16.7	12.9	16.9	13.1	17.0	13.2	17.0	13.2	16.8	13.1	16.5	13.0	16.1	12.8
SW	18.0	13.7	17.1	13.1	16.5	12.8	16.4	12.6	16.3	12.5	16.1	12.4	16.1	12.3	15.9	12.2	15.9	12.1	15.8	12.1	15.7	12.0	15.7	12.0	15.7	12.0	16.1	12.3	16.4	12.6	16.8	12.8	17.1	13.1	17.3	13.2	17.8	13.5	18.3	13.8	18.6	14.0	18.7	14.1	18.7	14.1	18.5	14.0
W	19.0	14.2	17.7	13.4	16.9	13.0	16.7	12.8	16.6	12.7	16.5	12.6	16.4	12.5	16.3	12.4	16.2	12.3	16.2	12.3	16.1	12.2	16.1	12.2	16.1	12.2	16.5	12.5	16.8	12.8	17.1	13.0	17.4	13.2	17.7	13.4	17.9	13.6	18.2	13.8	18.8	14.1	19.1	14.3	19.4	14.4	19.3	14.4
NW	17.1	13.2	16.0	12.6	15.3	12.2	15.1	12.0	15.0	11.9	14.9	11.8	14.8	11.7	14.7	11.6	14.6	11.5	14.5	11.4	14.5	11.4	14.5	11.4	14.5	11.4	14.9	11.7	15.2	11.9	15.5	12.2	15.8	12.4	16.0	12.6	16.2	12.8	16.4	12.9	16.5	13.0	16.9	13.2	17.1	13.3	17.2	13.3
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	13.8	11.4	13.7	11.3	13.6	11.2	13.5	11.2	13.5	11.2	13.5	11.1	13.5	11.1	13.4	11.1	13.4	11.1	13.4	11.1	13.4	11.0	13.4	11.0	13.4	11.1	13.5	11.2	13.6	11.2	13.6	11.3	13.7	11.3	13.8	11.4	13.8	11.4	13.9	11.4	13.9	11.5	13.9	11.5	13.8	11.4	13.8	11.4
NE	16.2	12.6	16.1	12.5	16.0	12.5	16.0	12.4	15.9	12.4	15.9	12.4	15.9	12.4	15.9	12.3	15.8	12.3	15.8	12.3	15.8	12.3	15.8	12.3	16.0	12.4	16.2	12.5	16.3	12.6	16.3	12.6	16.3	12.6	16.2	12.6	16.3	12.6	16.3	12.7	16.3	12.7	16.3	12.7	16.3	12.7	16.2	12.6
E	18.1	13.6	18.0	13.5	17.9	13.4	17.9	13.4	17.9	13.4	17.8	13.3	17.8	13.3	17.8	13.3	17.8	13.3	17.8	13.2	17.7	13.2	17.7	13.2	18.0	13.4	18.2	13.5	18.4	13.6	18.4	13.7	18.4	13.7	18.4	13.7	18.3	13.6	18.2	13.6	18.3	13.6	18.2	13.6	18.2	13.6	18.2	13.6
SE	18.1	13.6	18.0	13.5	18.0	13.4	17.9	13.4	17.9	13.4	17.9	13.3	17.8	13.3	17.8	13.3	17.8	13.3	17.8	13.3	17.7	13.2	17.7	13.2	17.9	13.3	18.1	13.4	18.3	13.6	18.4	13.6	18.4	13.7	18.4	13.7	18.4	13.7	18.3	13.7	18.3	13.6	18.3	13.6	18.2	13.6	18.2	13.6
S	15.6	12.3	15.5	12.3	15.5	12.2	15.4	12.2	15.4	12.1	15.4	12.1	15.3	12.1	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.2	12.0	15.2	12.0	15.3	12.1	15.4	12.1	15.6	12.2	15.7	12.3	15.8	12.4	15.9	12.4	15.9	12.5	15.9	12.5	15.9	12.5	15.8	12.4	15.7	12.4
SW	17.2	13.1	16.9	13.0	16.8	12.9	16.8	12.8	16.7	12.8	16.7	12.8	16.7	12.7	16.6	12.7	16.6	12.7	16.6	12.7	16.6	12.7	16.6	12.7	16.6	12.7	16.7	12.7	16.8	12.8	16.9	12.9	16.9	12.9	17.0	13.0	17.1	13.1	17.3	13.1	17.4	13.2	17.4	13.2	17.4	13.2	17.3	13.2
W	17.7	13.4	17.4	13.2	17.2	13.1	17.1	13.0	17.1	13.0	17.1	13.0	17.1	12.9	17.0	12.9	17.0	12.9	17.0	12.9	17.0	12.8	17.0	12.8	17.0	12.8	17.1	12.9	17.2	13.0	17.2	13.1	17.3	13.1	17.4	13.2	17.4	13.2	17.5	13.3	17.7	13.4	17.8	13.4	17.8	13.4	17.8	13.4
NW	16.0	12.5	15.7	12.3	15.5	12.2	15.4	12.2	15.4	12.1	15.4	12.1	15.4	12.1	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.3	12.0	15.4	12.1	15.5	12.1	15.5	12.2	15.6	12.3	15.7	12.3	15.7	12.4	15.8	12.4	15.8	12.4	15.9	12.5	16.0	12.5	16.0	12.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	11.2	7.3	10.8	6.9	9.7	5.8	9.3	5.4	8.9	5.0	8.4	4.5	8.2	4.4	8.9	4.7	14.2	8.2	20.2	12.0	25.8	15.4	30.5	18.3	33.5	20.2	35.2	21.5	36.3	22.3	36.0	22.5	33.9	21.5	31.3	20.2	27.3	18.0	22.6	15.4	17.1	12.1	13.9	10.0	12.9	9.0	12.1	8.2

CITY: DÜZCE (39.05)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																													
K	6.5	4.3	6.3	4.1	6.1	3.9	5.9	3.7	5.8	3.6	5.5	3.3	5.4	3.2	5.3	3.1	5.2	3.0	5.1	2.9	5.4	3.0	6.0	3.4	6.7	3.9	7.4	4.5	8.0	5.0	8.6	5.5	9.0	5.9	9.3	6.2	9.4	6.3	9.1	6.1	8.8	5.9	8.4	5.6	8.1	5.4	7.4	4.9
KD	7.0	4.5	6.7	4.3	6.5	4.1	6.4	3.9	6.3	3.8	6.0	3.5	5.9	3.4	5.8	3.3	5.7	3.2	5.6	3.1	5.9	3.3	6.6	3.7	7.7	4.4	8.7	5.2	9.1	5.6	9.2	5.8	9.4	6.1	9.8	6.4	9.8	6.5	9.6	6.3	9.2	6.1	8.8	5.8	8.2	5.4	7.5	4.9
D	7.7	4.9	7.4	4.6	7.2	4.4	7.0	4.3	6.9	4.2	6.6	3.8	6.5	3.8	6.4	3.7	6.3	3.6	6.3	3.5	6.5	3.6	7.3	4.1	8.5	4.9	9.9	5.8	10.5	6.3	10.7	6.6	10.5	6.6	10.4	6.8	10.5	6.8	10.2	6.7	9.9	6.5	9.4	6.1	8.9	5.8	8.1	5.2
GD	7.7	4.8	7.4	4.6	7.2	4.4	7.0	4.3	6.9	4.2	6.6	3.8	6.5	3.7	6.4	3.6	6.3	3.6	6.2	3.5	6.5	3.6	7.2	4.0	8.3	4.7	9.6	5.6	10.4	6.2	10.9	6.7	11.0	6.9	10.8	6.9	10.5	6.8	10.2	6.7	9.9	6.5	9.4	6.1	8.9	5.8	8.1	5.2
G	7.4	4.7	7.2	4.5	7.0	4.3	6.8	4.1	6.7	4.1	6.4	3.7	6.3	3.6	6.2	3.5	6.1	3.5	6.0	3.4	6.2	3.4	6.8	3.8	7.5	4.4	8.5	5.1	9.4	5.7	10.2	6.3	10.8	6.8	11.1	7.1	11.0	7.1	10.5	6.8	9.8	6.4	9.2	6.0	8.7	5.7	7.9	5.1
GB	8.0	5.0	7.8	4.8	7.6	4.6	7.4	4.4	7.3	4.3	7.0	4.0	6.9	3.9	6.8	3.8	6.7	3.7	6.6	3.7	6.8	3.7	7.4	4.1	8.1	4.7	8.9	5.3	9.5	5.8	10.1	6.2	10.9	6.8	11.7	7.4	12.1	7.7	11.9	7.5	11.3	7.1	10.6	6.7	10.0	6.3	9.0	5.6
B	8.2	5.1	8.0	4.9	7.8	4.7	7.6	4.5	7.5	4.5	7.2	4.1	7.1	4.0	7.0	3.9	6.9	3.9	6.8	3.8	7.0	3.8	7.6	4.2	8.3	4.8	9.1	5.4	9.7	5.9	10.3	6.3	10.7	6.7	11.4	7.2	12.1	7.6	12.2	7.6	11.8	7.4	11.2	7.0	10.9	6.8	9.8	6.0
KB	7.5	4.8	7.3	4.5	7.1	4.4	6.9	4.2	6.8	4.1	6.5	3.8	6.4	3.7	6.3	3.6	6.2	3.5	6.1	3.4	6.3	3.5	6.9	3.9	7.6	4.4	8.4	5.0	9.0	5.5	9.5	6.0	10.0	6.4	10.3	6.7	10.5	6.9	10.7	6.9	10.6	6.8	10.2	6.5	9.9	6.3	9.0	5.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																													
K	7.2	4.6	6.9	4.4	6.8	4.3	6.7	4.3	6.7	4.2	6.7	4.2	6.6	4.1	6.5	4.0	6.5	4.0	6.5	4.0	6.4	4.0	6.5	4.0	6.7	4.1	6.9	4.3	7.2	4.5	7.4	4.6	7.5	4.8	7.7	4.9	7.8	5.0	7.8	5.0	7.7	5.0	7.6	4.9	7.5	4.8	7.4	4.7
KD	7.5	4.8	7.4	4.6	7.3	4.6	7.2	4.5	7.2	4.4	7.1	4.4	7.0	4.3	7.0	4.3	7.0	4.3	6.9	4.2	6.9	4.2	7.0	4.2	7.2	4.4	7.6	4.6	7.9	4.9	8.1	5.0	8.1	5.1	8.2	5.2	8.3	5.3	8.3	5.3	8.2	5.2	8.1	5.2	7.9	5.1	7.8	4.9
D	8.3	5.1	8.1	5.0	8.0	4.9	8.0	4.9	7.9	4.8	7.9	4.8	7.8	4.7	7.8	4.7	7.7	4.6	7.7	4.6	7.7	4.6	7.8	4.6	8.0	4.8	8.4	5.0	8.8	5.3	9.0	5.5	9.1	5.6	9.0	5.6	9.0	5.6	9.0	5.6	8.9	5.6	8.8	5.5	8.7	5.4	8.5	5.3
GD	8.3	5.1	8.1	5.0	8.0	4.9	8.0	4.9	7.9	4.8	7.9	4.8	7.8	4.7	7.7	4.7	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.6	8.0	4.7	8.3	5.0	8.7	5.3	9.0	5.5	9.2	5.6	9.2	5.7	9.1	5.7	9.0	5.6	8.9	5.6	8.8	5.5	8.7	5.4	8.5	5.3
G	8.0	5.0	7.9	4.9	7.8	4.8	7.7	4.8	7.7	4.7	7.6	4.7	7.5	4.6	7.5	4.5	7.5	4.5	7.5	4.5	7.4	4.4	7.5	4.5	7.7	4.6	7.9	4.8	8.2	5.0	8.5	5.2	8.8	5.4	9.0	5.6	9.0	5.6	9.0	5.7	8.8	5.5	8.6	5.4	8.4	5.3	8.3	5.2
GB	8.8	5.4	8.5	5.2	8.4	5.1	8.4	5.1	8.3	5.0	8.3	5.0	8.2	4.9	8.2	4.9	8.1	4.8	8.1	4.8	8.1	4.8	8.1	4.8	8.3	4.9	8.6	5.1	8.8	5.3	9.0	5.5	9.2	5.6	9.4	5.8	9.7	6.0	9.8	6.1	9.8	6.0	9.6	5.9	9.3	5.8	9.2	5.6
B	9.3	5.6	8.8	5.3	8.7	5.3	8.6	5.2	8.6	5.1	8.5	5.1	8.4	5.0	8.4	5.0	8.4	5.0	8.3	4.9	8.3	4.9	8.4	4.9	8.6	5.1	8.8	5.2	9.1	5.4	9.2	5.6	9.4	5.7	9.6	5.9	9.8	6.0	10.0	6.1	10.0	6.1	9.9	6.1	9.7	5.9	9.6	5.9
KB	8.4	5.2	7.9	4.9	7.9	4.9	7.8	4.8	7.8	4.7	7.7	4.7	7.6	4.6	7.6	4.6	7.6	4.6	7.5	4.5	7.5	4.5	7.6	4.5	7.8	4.6	8.0	4.8	8.2	5.0	8.4	5.2	8.6	5.3	8.7	5.4	8.8	5.5	8.9	5.6	9.0	5.6	8.9	5.6	8.8	5.5	8.7	5.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																												
K	7.2	4.6	6.8	4.4	6.7	4.3	6.6	4.2	6.6	4.1	6.5	4.1	6.4	3.9	6.3	3.9	6.3	3.9	6.3	3.8	6.2	3.8	6.3	3.8	6.6	4.0	6.9	4.2	7.2	4.5	7.5	4.7	7.7	4.9	7.9	5.1	8.0	5.2	8.0	5.2	7.9	5.2	7.8	5.1	7.6	5.0	7.5	4.8
KD	7.5	4.8	7.3	4.6	7.2	4.5	7.1	4.4	7.0	4.4	7.0	4.3	6.9	4.2	6.8	4.1	6.8	4.1	6.7	4.1	6.7	4.0	6.8	4.1	7.1	4.3	7.6	4.6	8.1	4.9	8.2	5.1	8.3	5.2	8.4	5.3	8.5	5.4	8.5	5.5	8.4	5.4	8.3	5.3	8.1	5.2	7.8	5.0
D	8.2	5.2	8.0	5.0	7.9	4.9	7.8	4.8	7.8	4.7	7.7	4.7	7.6	4.5	7.5	4.5	7.5	4.5	7.5	4.4	7.4	4.4	7.6	4.4	7.9	4.7	8.4	5.0	9.0	5.4	9.3	5.6	9.4	5.7	9.3	5.8	9.2	5.8	9.3	5.8	9.2	5.8	9.0	5.7	8.8	5.5	8.6	5.4
GD	8.2	5.1	8.0	5.0	7.9	4.9	7.8	4.8	7.8	4.7	7.7	4.7	7.6	4.5	7.5	4.5	7.5	4.5	7.5	4.4	7.4	4.4	7.5	4.4	7.8	4.6	8.3	4.9	8.9	5.3	9.2	5.6	9.5	5.8	9.5	5.9	9.4	5.9	9.3	5.8	9.2	5.8	9.0	5.7	8.8	5.5	8.6	5.4
G	8.0	5.0	7.8	4.9	7.7	4.8	7.6	4.7	7.5	4.6	7.5	4.6	7.4	4.4	7.3	4.4	7.3	4.3	7.2	4.3	7.2	4.3	7.3	4.3	7.5	4.5	7.8	4.7	8.3	5.0	8.6	5.3	9.0	5.6	9.3	5.8	9.4	5.9	9.4	5.9	9.1	5.8	8.8	5.6	8.6	5.4	8.3	5.3
GB	8.8	5.5	8.4	5.2	8.3	5.1	8.2	5.0	8.2	4.9	8.1	4.9	8.0	4.8	8.0	4.7	7.9	4.7	7.9	4.6	7.8	4.6	7.9	4.6	8.2	4.8	8.5	5.0	8.8	5.3	9.1	5.5	9.3	5.7	9.7	6.0	10.0	6.2	10.2	6.3	10.1	6.3	9.9	6.1	9.5	5.9	9.3	5.8
B	9.3	5.7	8.7	5.3	8.6	5.2	8.5	5.1	8.4	5.0	8.4	5.0	8.2	4.9	8.2	4.8	8.1	4.8	8.1	4.7	8.1	4.7	8.1	4.7	8.4	4.9	8.7	5.1	9.1	5.4	9.3	5.6	9.6	5.8	9.7	6.0	10.0	6.2	10.4	6.4	10.4	6.4	10.2	6.3	10.0	6.1	9.8	6.0
KB	8.5	5.3	7.9	4.9	7.8	4.8	7.7	4.7	7.6	4.6	7.6	4.6	7.4	4.5	7.4	4.4	7.3	4.4	7.3	4.3	7.3	4.3	7.3	4.3	7.6	4.5	7.9	4.7	8.3	5.0	8.5	5.2	8.8	5.4	9.0	5.6	9.1	5.7	9.2	5.8	9.3	5.8	9.2	5.8	9.0	5.7	8.9	5.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																												
K	7.2	4.7	6.8	4.4	6.6	4.2	6.6	4.1	6.5	4.1	6.4	4.0	6.2	3.8	6.2	3.8	6.1	3.7	6.1	3.7	6.1	3.6	6.2	3.7	6.5	3.9	6.9	4.2	7.2	4.5	7.6	4.8	7.8	5.0	8.1	5.2	8.2	5.4	8.2	5.4	8.1	5.3	8.0	5.2	7.7	5.1	7.6	4.9
KD	7.5	4.8	7.2	4.6	7.1	4.5	7.0	4.4	6.9	4.3	6.9	4.2	6.7	4.1	6.7	4.0	6.6	4.0	6.6	3.9	6.5	3.9	6.7	4.0	7.0	4.2	7.6	4.6	8.2	5.0	8.4	5.2	8.4	5.3	8.5	5.4	8.7	5.6	8.7	5.6	8.6	5.5	8.4	5.4	8.2	5.3	7.9	5.1
D	8.2	5.2	8.0	5.0	7.8	4.8	7.7	4.7	7.7	4.7	7.6	4.6	7.4	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.2	4.2	7.4	4.3	7.8	4.6	8.4	5.0	9.2	5.5	9.5	5.7	9.6	5.9	9.4	5.9	9.4	6.0	9.4	6.0	9.3	5.9	9.2	5.8	8.9	5.6	8.6	5.4
GD	8.2	5.2	8.0	5.0	7.8	4.8	7.7	4.7	7.7	4.7	7.6	4.6	7.4	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.2	4.2	7.4	4.3	7.7	4.5	8.3	4.9	9.0	5.4	9.4	5.7	9.7	5.9	9.7	6.0	9.6	6.0	9.4	6.0	9.3	5.9	9.2	5.8	8.9	5.6	8.6	5.4
G	8.0	5.0	7.7	4.8	7.6	4.7	7.5	4.6	7.4	4.5	7.4	4.5	7.2	4.3	7.2	4.3	7.1	4.2	7.1	4.2	7.0	4.1	7.1	4.2	7.4	4.4	7.8	4.7	8.3	5.0	8.8	5.4	9.2	5.7	9.5	5.9	9.6	6.1	9.6	6.1	9.3	5.9	9.0	5.7	8.7	5.5	8.4	5.3
GB	8.9	5.5	8.4	5.2	8.2	5.0	8.1	4.9	8.1	4.9	8.0	4.8	7.8	4.6	7.8	4.6	7.7	4.5	7.7	4.5	7.6	4.4	7.7	4.5	8.1	4.7	8.4	5.0	8.8	5.3	9.2	5.6	9.4	5.8	9.9	6.1	10.3	6.4	10.5	6.5	10.4	6.4	10.1	6.3	9.7	6.0	9.4	5.8
B	9.4	5.7	8.6	5.3	8.5	5.2	8.4	5.1	8.3	5.0	8.2	4.9	8.1	4.8	8.0	4.7	8.0	4.7	7.9	4.6	7.9	4.6	8.0	4.6	8.3	4.8	8.7	5.1	9.1	5.4	9.4	5.7	9.7	5.9	9.9	6.1	10.2	6.4	10.6	6.6	10.7	6.6	10.4	6.4	10.1	6.3	10.0	6.1
KB	8.6	5.3	7.8	4.9	7.7	4.8	7.6	4.7	7.5	4.6	7.5	4.5	7.3	4.4	7.2	4.3	7.2	4.3	7.1	4.2	7.1	4.2	7.2	4.2	7.5	4.4	7.9	4.7	8.3	5.0	8.6	5.3	8.9	5.5	9.1	5.7	9.3	5.9	9.4	6.0	9.5	6.0	9.4	5.9	9.2	5.8	9.1	5.7
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																												
T	10.3	4.2	10.2	4.1	10.2	4.0	10.1	4.0	10.1	4.0	10.0	3.9	10.0	3.8	10.0	3.8	9.9	3.8	9.9	3.8	10.0	3.8	10.3	4.0	10.7	4.2	11.1	4.5	11.5	4.8	11.9	5.0	12.1	5.1	12.1	5.2	12.1	5.2	11.8	5.1	11.5	4.9	11.2	4.7	10.9	4.6	10.5	4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: DÜZCE (39.05)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	5.8	3.8	5.5	3.5	5.2	3.2	5.1	3.1	4.5	2.6	4.4	2.4	4.2	2.2	4.1	2.1	3.9	1.9	4.3	2.1	5.3	2.8	6.5	3.6	7.7	4.6	8.7	5.4	9.6	6.2	10.3	6.8	10.8	7.3	10.8	7.4	10.5	7.2	9.9	6.9	9.3	6.4	8.7	6.0	7.7	5.1	6.2	4.2
NE	6.2	4.0	5.9	3.7	5.6	3.4	5.5	3.3	4.9	2.7	4.8	2.6	4.6	2.4	4.5	2.3	4.3	2.1	4.8	2.3	5.9	3.1	7.7	4.3	9.5	5.5	10.1	6.1	10.3	6.5	10.7	7.0	11.2	7.5	11.2	7.6	10.9	7.4	10.3	7.1	9.5	6.5	8.6	5.9	7.4	5.0	6.6	4.4
E	6.8	4.3	6.5	4.0	6.2	3.7	6.1	3.6	5.5	3.0	5.4	2.9	5.2	2.7	5.1	2.6	4.9	2.4	5.4	2.6	6.6	3.4	8.6	4.7	11.0	6.2	11.9	7.0	12.2	7.5	11.9	7.6	11.8	7.8	11.8	7.9	11.5	7.7	10.9	7.4	10.1	6.8	9.2	6.2	8.0	5.3	7.2	4.7
SE	6.8	4.3	6.5	4.0	6.2	3.7	6.0	3.6	5.5	3.0	5.4	2.9	5.2	2.7	5.1	2.6	4.9	2.4	5.3	2.6	6.4	3.3	8.2	4.5	10.4	6.0	11.8	6.9	12.6	7.7	12.7	8.0	12.4	8.1	11.8	7.9	11.4	7.7	10.9	7.3	10.1	6.8	9.2	6.2	8.0	5.3	7.2	4.7
S	6.6	4.2	6.3	3.9	6.0	3.6	5.9	3.5	5.3	3.0	5.2	2.8	5.0	2.6	4.9	2.5	4.7	2.3	5.0	2.4	6.0	3.1	7.2	4.0	8.7	5.1	10.2	6.2	11.6	7.2	12.6	7.9	13.0	8.4	12.9	8.5	12.0	7.9	11.0	7.4	9.9	6.7	9.0	6.1	7.8	5.2	7.0	4.6
SW	7.1	4.5	6.8	4.2	6.5	3.9	6.4	3.7	5.9	3.2	5.7	3.1	5.6	2.9	5.4	2.7	5.3	2.6	5.5	2.7	6.5	3.4	7.7	4.2	9.0	5.3	10.0	6.1	10.9	6.8	12.2	7.8	13.5	8.7	14.3	9.2	13.8	8.9	12.9	8.3	11.7	7.6	10.8	7.0	9.1	5.8	7.5	4.8
W	7.3	4.6	7.0	4.3	6.7	4.0	6.6	3.8	6.1	3.3	5.9	3.2	5.7	3.0	5.6	2.8	5.4	2.7	5.7	2.8	6.7	3.5	7.9	4.3	9.2	5.4	10.2	6.2	11.1	6.9	11.8	7.6	12.9	8.4	14.1	9.1	14.2	9.0	13.5	8.6	12.6	8.0	12.0	7.6	10.2	6.4	7.7	4.9
NW	6.7	4.2	6.4	3.9	6.1	3.7	5.9	3.5	5.4	3.0	5.3	2.8	5.1	2.7	4.9	2.5	4.8	2.4	5.0	2.5	6.1	3.2	7.3	4.0	8.6	5.0	9.6	5.8	10.4	6.6	11.1	7.2	11.7	7.8	12.0	8.0	12.4	8.1	12.1	7.9	11.4	7.5	11.1	7.1	9.6	6.1	7.1	4.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.2	4.6	7.1	4.5	7.0	4.4	6.9	4.4	6.9	4.4	6.9	4.3	6.9	4.3	6.8	4.3	6.8	4.3	6.8	4.2	6.8	4.2	6.7	4.2	6.8	4.2	6.9	4.3	7.0	4.4	7.1	4.5	7.2	4.5	7.3	4.6	7.3	4.7	7.4	4.7	7.4	4.7	7.4	4.7	7.3	4.7	7.3	4.6
NE	7.6	4.8	7.5	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.4	4.6	7.3	4.6	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.2	4.5	7.3	4.5	7.4	4.5	7.6	4.7	7.7	4.8	7.8	4.8	7.8	4.9	7.8	4.9	7.9	5.0	7.9	5.0	7.9	5.0	7.8	4.9	7.7	4.9
E	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.1	5.0	8.1	4.9	8.1	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.8	8.0	4.9	8.2	4.9	8.4	5.1	8.6	5.2	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.4	8.7	5.4	8.6	5.3	8.6	5.3	8.5	5.3
SE	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.1	5.0	8.1	4.9	8.1	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.8	8.0	4.9	8.1	4.9	8.3	5.0	8.5	5.2	8.7	5.3	8.7	5.3	8.7	5.4	8.7	5.4	8.7	5.4	8.6	5.3	8.6	5.3	8.5	5.3
S	8.2	5.1	8.1	5.0	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.8	7.9	4.8	7.8	4.8	7.8	4.8	7.8	4.7	7.8	4.7	7.8	4.7	7.8	4.7	7.9	4.8	8.0	4.9	8.1	5.0	8.3	5.1	8.4	5.2	8.5	5.3	8.6	5.3	8.5	5.3	8.5	5.3	8.4	5.2	8.3	5.1
SW	9.0	5.5	8.8	5.4	8.6	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.1	8.5	5.1	8.5	5.1	8.4	5.1	8.4	5.0	8.5	5.1	8.5	5.1	8.7	5.2	8.8	5.3	8.9	5.4	9.0	5.5	9.1	5.5	9.2	5.6	9.3	5.7	9.2	5.6	9.2	5.6	9.0	5.5
W	9.3	5.6	9.1	5.5	8.9	5.4	8.8	5.3	8.8	5.3	8.8	5.3	8.8	5.3	8.7	5.2	8.7	5.2	8.7	5.2	8.7	5.2	8.7	5.2	8.7	5.2	8.8	5.2	8.9	5.3	9.0	5.4	9.1	5.5	9.2	5.6	9.3	5.6	9.4	5.7	9.5	5.8	9.5	5.8	9.4	5.7	9.4	5.7
NW	8.4	5.2	8.3	5.1	8.1	5.0	8.0	4.9	8.0	4.9	8.0	4.9	7.9	4.9	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.8	4.8	7.9	4.8	8.0	4.8	8.1	4.9	8.2	5.0	8.3	5.1	8.4	5.2	8.4	5.2	8.5	5.3	8.5	5.3	8.6	5.3	8.5	5.3	8.5	5.2
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	7.2	4.7	6.8	4.4	6.7	4.3	6.6	4.2	6.5	4.1	6.5	4.0	6.3	3.9	6.3	3.8	6.2	3.8	6.2	3.7	6.1	3.7	6.2	3.7	6.5	4.0	6.9	4.2	7.2	4.5	7.5	4.7	7.8	5.0	8.0	5.1	8.1	5.3	8.2	5.3	8.1	5.3	7.9	5.2	7.7	5.0	7.5	4.9
NE	7.5	4.8	7.3	4.6	7.1	4.5	7.1	4.4	7.0	4.3	6.9	4.3	6.8	4.1	6.7	4.1	6.7	4.0	6.6	4.0	6.6	3.9	6.7	4.0	7.1	4.2	7.6	4.6	8.1	4.9	8.3	5.1	8.4	5.2	8.5	5.4	8.6	5.5	8.6	5.6	8.5	5.5	8.4	5.4	8.1	5.2	7.9	5.1
E	8.2	5.2	8.0	5.0	7.9	4.9	7.8	4.8	7.7	4.7	7.7	4.6	7.5	4.5	7.5	4.4	7.4	4.4	7.4	4.3	7.3	4.3	7.5	4.4	7.8	4.6	8.4	5.0	9.1	5.4	9.4	5.7	9.5	5.8	9.4	5.8	9.3	5.9	9.4	5.9	9.3	5.9	9.1	5.8	8.9	5.6	8.6	5.4
SE	8.2	5.2	8.0	5.0	7.9	4.9	7.8	4.8	7.7	4.7	7.7	4.6	7.5	4.5	7.5	4.4	7.4	4.4	7.4	4.3	7.3	4.3	7.4	4.3	7.8	4.6	8.3	4.9	9.0	5.4	9.3	5.6	9.6	5.9	9.6	6.0	9.5	6.0	9.4	5.9	9.2	5.9	9.1	5.8	8.9	5.6	8.6	5.4
S	8.0	5.0	7.8	4.9	7.6	4.7	7.6	4.7	7.5	4.6	7.4	4.5	7.3	4.4	7.2	4.3	7.2	4.3	7.1	4.2	7.1	4.2	7.2	4.2	7.5	4.4	7.8	4.7	8.3	5.0	8.7	5.3	9.1	5.6	9.4	5.8	9.5	6.0	9.5	6.0	9.2	5.8	8.9	5.7	8.6	5.5	8.4	5.3
SW	8.9	5.5	8.4	5.2	8.3	5.1	8.2	5.0	8.1	4.9	8.1	4.8	7.9	4.7	7.9	4.6	7.8	4.6	7.8	4.6	7.7	4.5	7.8	4.5	8.1	4.7	8.5	5.0	8.8	5.3	9.1	5.5	9.4	5.8	9.8	6.0	10.2	6.3	10.4	6.4	10.3	6.4	10.0	6.2	9.6	6.0	9.4	5.8
W	9.4	5.7	8.6	5.3	8.5	5.2	8.4	5.1	8.3	5.0	8.3	5.0	8.1	4.8	8.1	4.8	8.0	4.7	8.0	4.7	8.0	4.6	8.0	4.7	8.3	4.9	8.7	5.1	9.1	5.4	9.4	5.6	9.6	5.9	9.8	6.1	10.2	6.3	10.5	6.5	10.5	6.5	10.3	6.4	10.1	6.2	9.9	6.1
NW	8.6	5.3	7.8	4.9	7.7	4.8	7.6	4.7	7.5	4.6	7.5	4.6	7.3	4.4	7.3	4.4	7.3	4.3	7.2	4.3	7.2	4.2	7.2	4.3	7.5	4.5	7.9	4.7	8.3	5.0	8.6	5.3	8.8	5.5	9.0	5.7	9.2	5.8	9.3	5.9	9.4	5.9	9.3	5.9	9.1	5.7	9.0	5.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.2	4.6	7.1	4.5	7.0	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.2	6.8	4.3	6.9	4.3	7.0	4.4	7.1	4.5	7.2	4.5	7.2	4.6	7.3	4.6	7.3	4.7	7.3	4.7	7.3	4.7	7.3	4.6	7.2	4.6
NE	7.6	4.8	7.5	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.4	4.6	7.6	4.7	7.7	4.8	7.7	4.8	7.8	4.8	7.8	4.9	7.8	4.9	7.8	4.9	7.8	4.9	7.8	4.9	7.7	4.8
E	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.2	5.0	8.4	5.1	8.5	5.2	8.6	5.2	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.2
SE	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.1	5.0	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.2	5.0	8.3	5.0	8.5	5.2	8.6	5.2	8.7	5.3	8.7	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.2
S	8.2	5.1	8.1	5.0	8.0	4.9	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.8	7.9	4.8	7.9	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.9	4.8	8.0	4.9	8.1	5.0	8.2	5.1	8.4	5.1	8.4	5.2	8.5	5.2	8.5	5.2	8.4	5.2	8.3	5.2	8.2	5.1
SW	8.9	5.4	8.8	5.4	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.6	5.2	8.7	5.2	8.8	5.3	8.9	5.4	8.9	5.4	9.0	5.5	9.1	5.6	9.2	5.6	9.2	5.6	9.1	5.5	9.0	5.5
W	9.2	5.6	9.1	5.5	8.9	5.4	8.9	5.4	8.9	5.3	8.8	5.3	8.8	5.3	8.8	5.3	8.8	5.3	8.8	5.2	8.7	5.2	8.7	5.2	8.8	5.2	8.8	5.3	8.9	5.3	9.0	5.4	9.1	5.5	9.2	5.5	9.2	5.6	9.3	5.7	9.4	5.7	9.4	5.7	9.4	5.7	9.3	5.6
NW	8.4	5.2	8.3	5.1	8.1	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	8.0	4.9	8.1	4.9	8.2	5.0	8.3	5.1	8.3	5.1	8.4	5.2	8.4	5.2	8.5	5.2	8.5	5.3	8.5	5.2	8.4	5.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	3.3	0.0	3.0	-0.4	1.9	-1.4	1.6	-1.8	1.2	-2.1	0.9	-2.4	0.6	-2.7	1.6	-2.3	4.8	-0.3	9.3	2.5	15.1	6.2	19.6	9.1	23.5	11.7	26.0	13.5	26.8	14.5	26.4	14.5	23.2	12.7	19.4	10.7	15.7	8.6	12.5	6.6	8.1	3.8	5.4	2.0	4.5	1.2	3.9	0.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :EDİRNE (41.40)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.4	4.4	6.1	4.0	5.8	3.8	5.7	3.7	5.4	3.4	4.9	2.9	4.7	2.7	4.6	2.6	4.5	2.4	4.4	2.3	4.6	2.4	5.5	3.1	6.2	3.7	7.1	4.5	7.7	5.0	8.3	5.5	8.7	5.9	9.0	6.1	9.0	6.2	8.9	6.2	8.7	6.1	8.3	5.9	8.0	5.6	7.6	5.1
NE	7.4	4.9	7.1	4.5	6.8	4.3	6.7	4.2	6.4	3.9	5.9	3.4	5.7	3.2	5.6	3.1	5.5	2.9	5.3	2.8	5.7	3.0	7.5	4.1	8.8	5.0	9.4	5.6	9.4	5.9	9.3	6.0	9.7	6.4	9.9	6.6	10.0	6.7	9.9	6.7	9.6	6.6	9.3	6.4	8.7	5.9	7.8	5.2
E	8.8	5.6	8.5	5.3	8.3	5.0	8.1	4.9	7.9	4.6	7.3	4.1	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.5	7.2	3.7	9.2	4.9	11.0	6.1	12.0	6.9	12.3	7.3	12.2	7.5	11.6	7.3	11.4	7.3	11.4	7.4	11.3	7.4	11.1	7.3	10.8	7.1	10.1	6.6	9.3	5.9
SE	8.8	5.5	8.4	5.2	8.2	5.0	8.1	4.9	7.8	4.6	7.3	4.1	7.1	3.9	7.0	3.7	6.8	3.6	6.7	3.5	7.0	3.7	8.6	4.6	10.3	5.8	11.6	6.7	12.4	7.3	12.8	7.8	12.6	7.8	12.1	7.7	11.4	7.4	11.3	7.4	11.0	7.3	10.7	7.1	10.1	6.6	9.2	5.9
S	8.5	5.4	8.2	5.1	7.9	4.9	7.8	4.7	7.5	4.5	7.0	3.9	6.8	3.8	6.7	3.6	6.6	3.5	6.5	3.4	6.6	3.5	7.4	4.1	8.4	4.8	9.8	5.8	10.9	6.6	11.9	7.3	12.5	7.8	12.6	8.0	12.5	8.0	11.9	7.7	11.4	7.4	10.5	7.0	9.8	6.5	8.9	5.8
SW	9.3	5.8	9.0	5.5	8.8	5.3	8.6	5.1	8.3	4.9	7.8	4.3	7.6	4.2	7.5	4.0	7.4	3.9	7.3	3.8	7.4	3.9	8.2	4.5	9.1	5.2	10.0	5.9	10.6	6.4	11.2	7.0	12.4	7.8	13.3	8.3	13.9	8.7	13.8	8.6	13.8	8.7	12.9	8.1	12.0	7.6	10.9	6.7
W	9.4	5.9	9.1	5.6	8.9	5.3	8.7	5.2	8.5	4.9	7.9	4.4	7.8	4.2	7.6	4.1	7.5	4.0	7.4	3.9	7.5	3.9	8.3	4.5	9.2	5.2	10.1	6.0	10.7	6.5	11.3	7.0	11.7	7.4	12.5	7.9	13.4	8.4	13.8	8.6	14.3	8.9	13.6	8.5	13.1	8.1	12.2	7.4
NW	8.0	5.2	7.7	4.8	7.5	4.6	7.3	4.5	7.0	4.2	6.5	3.7	6.3	3.5	6.2	3.4	6.1	3.2	6.0	3.1	6.1	3.2	6.9	3.8	7.8	4.5	8.7	5.3	9.3	5.8	9.9	6.3	10.3	6.7	10.6	6.9	10.6	7.0	11.2	7.3	11.7	7.6	11.5	7.4	11.2	7.1	10.6	6.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	7.0	4.6	6.6	4.3	6.5	4.2	6.4	4.2	6.4	4.1	6.3	4.0	6.1	3.8	6.0	3.8	6.0	3.8	6.0	3.7	5.9	3.7	6.0	3.7	6.3	3.9	6.5	4.1	6.8	4.4	7.0	4.5	7.2	4.7	7.3	4.8	7.4	4.9	7.4	4.9	7.4	4.9	7.3	4.9	7.2	4.8	7.1	4.7
NE	7.8	5.0	7.7	4.9	7.6	4.8	7.5	4.7	7.5	4.7	7.4	4.6	7.2	4.4	7.1	4.3	7.1	4.3	7.1	4.3	7.0	4.2	7.1	4.3	7.7	4.6	8.1	4.9	8.3	5.1	8.3	5.2	8.3	5.3	8.4	5.4	8.5	5.4	8.5	5.5	8.5	5.5	8.4	5.4	8.3	5.4	8.1	5.2
E	9.4	5.8	9.3	5.7	9.2	5.6	9.1	5.5	9.0	5.4	8.9	5.4	8.8	5.2	8.7	5.1	8.7	5.1	8.6	5.1	8.6	5.0	8.7	5.1	9.4	5.5	10.0	5.8	10.3	6.1	10.4	6.2	10.3	6.3	10.2	6.2	10.1	6.2	10.1	6.3	10.1	6.3	10.0	6.2	9.9	6.2	9.7	6.0
SE	9.4	5.8	9.2	5.7	9.1	5.6	9.1	5.5	9.0	5.4	8.9	5.4	8.8	5.2	8.7	5.1	8.7	5.1	8.6	5.0	8.6	5.0	8.7	5.1	9.2	5.4	9.7	5.7	10.2	6.0	10.4	6.2	10.5	6.4	10.5	6.4	10.3	6.4	10.1	6.3	10.1	6.2	10.0	6.2	9.9	6.1	9.7	6.0
S	9.1	5.6	8.9	5.5	8.8	5.4	8.7	5.3	8.7	5.3	8.6	5.2	8.4	5.0	8.4	5.0	8.3	4.9	8.3	4.9	8.3	4.8	8.3	4.9	8.6	5.1	8.9	5.3	9.3	5.6	9.7	5.9	10.0	6.1	10.2	6.3	10.2	6.3	10.2	6.3	10.0	6.2	9.8	6.1	9.6	6.0	9.3	5.8
SW	10.3	6.2	9.8	5.9	9.7	5.8	9.6	5.8	9.6	5.7	9.5	5.6	9.3	5.5	9.3	5.4	9.2	5.4	9.2	5.3	9.1	5.3	9.2	5.3	9.5	5.5	9.7	5.7	10.0	6.0	10.2	6.1	10.4	6.3	10.8	6.6	11.1	6.7	11.3	6.9	11.3	6.8	11.3	6.9	11.0	6.7	10.7	6.5
W	10.8	6.5	9.9	6.0	9.8	5.9	9.8	5.8	9.7	5.8	9.6	5.7	9.5	5.5	9.4	5.5	9.4	5.4	9.3	5.4	9.3	5.4	9.3	5.4	9.6	5.6	9.9	5.8	10.2	6.0	10.4	6.2	10.6	6.4	10.7	6.5	10.9	6.7	11.2	6.8	11.4	6.9	11.5	7.0	11.3	6.8	11.1	6.7
NW	9.2	5.7	8.4	5.2	8.3	5.1	8.2	5.0	8.1	5.0	8.1	4.9	7.9	4.7	7.8	4.7	7.8	4.6	7.7	4.6	7.7	4.6	7.8	4.6	8.0	4.8	8.3	5.0	8.6	5.3	8.8	5.4	9.0	5.6	9.1	5.7	9.2	5.8	9.2	5.8	9.4	5.9	9.5	6.0	9.5	5.9	9.4	5.9
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.1	4.7	6.5	4.3	6.4	4.2	6.3	4.1	6.2	4.0	6.1	3.9	5.9	3.7	5.8	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.8	3.5	6.2	3.8	6.5	4.0	6.8	4.4	7.1	4.6	7.4	4.8	7.6	5.0	7.7	5.1	7.7	5.1	7.6	5.1	7.5	5.1	7.4	5.0	7.3	4.9
NE	7.8	5.0	7.6	4.9	7.5	4.7	7.4	4.6	7.3	4.6	7.2	4.5	7.0	4.2	6.9	4.2	6.8	4.1	6.8	4.0	6.7	4.0	6.9	4.1	7.7	4.5	8.2	4.9	8.5	5.2	8.5	5.3	8.5	5.4	8.6	5.5	8.7	5.6	8.8	5.7	8.7	5.7	8.6	5.6	8.5	5.5	8.2	5.3
E	9.4	5.8	9.2	5.7	9.0	5.5	8.9	5.4	8.9	5.4	8.8	5.2	8.5	5.0	8.5	4.9	8.4	4.9	8.3	4.8	8.3	4.8	8.5	4.9	9.3	5.4	10.1	5.9	10.6	6.2	10.7	6.4	10.6	6.5	10.4	6.4	10.3	6.4	10.3	6.5	10.3	6.4	10.2	6.4	10.0	6.3	9.8	6.1
SE	9.4	5.8	9.2	5.6	9.0	5.5	8.9	5.4	8.9	5.3	8.7	5.2	8.5	5.0	8.4	4.9	8.4	4.9	8.3	4.8	8.3	4.8	8.4	4.8	9.1	5.2	9.8	5.7	10.4	6.2	10.7	6.4	10.9	6.6	10.8	6.6	10.6	6.6	10.3	6.5	10.3	6.4	10.2	6.4	10.0	6.3	9.7	6.1
S	9.0	5.6	8.8	5.5	8.7	5.3	8.6	5.2	8.5	5.2	8.4	5.1	8.2	4.8	8.1	4.8	8.0	4.7	8.0	4.6	8.0	4.6	8.0	4.6	8.4	4.9	8.8	5.2	9.4	5.7	9.9	6.0	10.3	6.3	10.6	6.5	10.6	6.6	10.6	6.6	10.3	6.5	10.1	6.4	9.7	6.2	9.4	5.9
SW	10.4	6.3	9.7	5.9	9.6	5.8	9.5	5.7	9.4	5.6	9.3	5.5	9.1	5.3	9.0	5.2	8.9	5.1	8.9	5.1	8.8	5.0	8.9	5.1	9.2	5.3	9.6	5.6	10.0	6.0	10.3	6.2	10.6	6.4	11.1	6.8	11.5	7.0	11.7	7.2	11.7	7.1	11.7	7.2	11.3	6.9	10.9	6.7
W	11.1	6.6	9.8	6.0	9.7	5.8	9.6	5.8	9.5	5.7	9.4	5.6	9.2	5.3	9.1	5.3	9.1	5.2	9.0	5.2	9.0	5.1	9.0	5.1	9.4	5.4	9.8	5.7	10.2	6.0	10.4	6.3	10.7	6.5	10.9	6.7	11.2	6.9	11.6	7.1	11.8	7.2	12.0	7.3	11.7	7.1	11.4	7.0
NW	9.4	5.8	8.3	5.2	8.2	5.1	8.1	5.0	8.0	4.9	7.9	4.8	7.6	4.6	7.6	4.5	7.5	4.4	7.5	4.4	7.4	4.3	7.5	4.4	7.8	4.6	8.2	4.9	8.6	5.3	8.9	5.5	9.1	5.7	9.3	5.9	9.4	6.0	9.4	6.0	9.7	6.1	9.9	6.3	9.8	6.2	9.7	6.1
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	7.1	4.7	6.5	4.3	6.4	4.2	6.2	4.1	6.2	4.0	6.0	3.8	5.7	3.6	5.7	3.5	5.6	3.4	5.5	3.3	5.5	3.3	5.6	3.3	6.1	3.7	6.4	4.0	6.9	4.4	7.2	4.7	7.5	4.9	7.7	5.1	7.9	5.3	7.9	5.3	7.8	5.3	7.7	5.2	7.5	5.1	7.4	5.0
NE	7.8	5.1	7.6	4.9	7.4	4.7	7.3	4.6	7.2	4.5	7.1	4.4	6.8	4.1	6.7	4.0	6.6	3.9	6.6	3.9	6.5	3.8	6.7	3.9	7.6	4.5	8.3	5.0	8.6	5.3	8.7	5.4	8.6	5.5	8.8	5.7	8.9	5.8	9.0	5.8	8.9	5.8	8.8	5.8	8.6	5.7	8.3	5.4
E	9.4	5.8	9.1	5.6	9.0	5.5	8.8	5.4	8.8	5.3	8.6	5.1	8.3	4.9	8.3	4.8	8.2	4.7	8.1	4.6	8.1	4.6	8.3	4.7	9.3	5.3	10.3	5.9	10.8	6.3	10.9	6.5	10.9	6.6	10.6	6.6	10.5	6.6	10.5	6.6	10.4	6.6	10.3	6.5	10.1	6.4	9.8	6.2
SE	9.3	5.8	9.1	5.6	8.9	5.5	8.8	5.3	8.7	5.3	8.6	5.1	8.3	4.8	8.2	4.8	8.2	4.7	8.1	4.6	8.0	4.6	8.2	4.6	9.0	5.2	9.9	5.7	10.6	6.3	11.0	6.6	11.2	6.8	11.1	6.8	10.8	6.8	10.5	6.6	10.4	6.6	10.3	6.5	10.1	6.4	9.8	6.2
S	9.0	5.7	8.8	5.5	8.6	5.3	8.5	5.2	8.4	5.1	8.3	5.0	8.0	4.7	7.9	4.6	7.8	4.5	7.8	4.5	7.7	4.4	7.8	4.4	8.2	4.8	8.7	5.1	9.4	5.7	10.0	6.1	10.6	6.5	10.9	6.7	10.9	6.8	10.9	6.8	10.6	6.7	10.3	6.5	9.8	6.3	9.5	6.0
SW	10.5	6.4	9.7	5.9	9.5	5.7	9.4	5.6	9.3	5.5	9.2	5.4	8.9	5.1	8.8	5.0	8.7	5.0	8.7	4.9	8.6	4.8	8.7	4.9	9.1	5.2	9.5	5.6	10.0	6.0	10.3	6.2	10.7	6.5	11.3	6.9	11.7	7.2	12.0	7.4	12.0	7.4	12.0	7.4	11.5	7.1	11.1	6.8
W	11.2	6.8	9.8	6.0	9.6	5.8	9.5	5.7	9.4	5.6	9.3	5.5	9.0	5.2	8.9	5.1	8.8	5.0	8.8	5.0	8.7	4.9	8.8	5.0	9.2	5.3	9.7	5.6	10.1	6.0	10.5	6.3	10.8	6.6	11.0	6.8	11.4	7.0	11.9	7.3	12.1	7.4	12.3	7.5	12.0	7.3	11.7	7.1
NW	9.6	6.0	8.3	5.2	8.1	5.0	8.0	4.9	7.9	4.8	7.8	4.7	7.5	4.4	7.4	4.3	7.3	4.3	7.3	4.2	7.2	4.1	7.3	4.2	7.7	4.5	8.1	4.9	8.6	5.3	8.9	5.5	9.2	5.8	9.5	6.0	9.6	6.1	9.6	6.2	9.9	6.3	10.2	6.5	10.1	6.4	9.9	6.2
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.4	4.8	11.3	4.7	11.2	4.6	11.2	4.6	11.1	4.5	11.0	4.3	10.9	4.3	10.9	4.3	10.8	4.2	10.8	4.2	10.9	4.2	11.3	4.5	11.8	4.8	12.3	5.2	12.7	5.4	13.1	5.7	13.2	5.8	13.3	5.9	13.2	5.9	13.0	5.7	12.8	5.7	12.4	5.4	12.1	5.2	11.6	4.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :EDİRNE (41.40)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	5.7	3.9	5.3	3.5	5.1	3.3	4.7	2.8	3.7	1.9	3.5	1.7	3.2	1.4	3.1	1.2	2.9	1.1	3.3	1.2	4.8	2.3	5.9	3.3	7.4	4.6	8.3	5.4	9.3	6.3	10.0	6.9	10.4	7.3	10.5	7.5	10.4	7.4	9.9	7.2	9.4	6.9	8.9	6.4	8.1	5.6	6.2	4.4
NE	6.6	4.3	6.2	4.0	6.0	3.7	5.5	3.3	4.6	2.4	4.4	2.1	4.1	1.9	3.9	1.7	3.8	1.5	4.4	1.8	7.2	3.6	9.4	5.1	10.4	6.1	10.5	6.5	10.2	6.8	10.9	7.3	11.3	7.7	11.4	7.9	11.2	7.8	10.8	7.6	10.3	7.3	9.3	6.6	7.8	5.4	7.1	4.8
E	7.8	5.0	7.5	4.6	7.2	4.3	6.8	3.9	5.9	3.0	5.7	2.8	5.4	2.5	5.2	2.3	5.0	2.1	5.7	2.5	9.0	4.4	12.0	6.4	13.6	7.7	14.1	8.3	13.9	8.6	13.0	8.4	12.6	8.4	12.7	8.5	12.5	8.5	12.1	8.3	11.6	7.9	10.5	7.2	9.1	6.1	8.4	5.5
SE	7.8	4.9	7.4	4.6	7.2	4.3	6.7	3.9	5.8	3.0	5.6	2.7	5.3	2.5	5.2	2.3	5.0	2.1	5.4	2.3	8.0	3.9	10.8	5.8	13.0	7.4	14.2	8.4	14.9	9.1	14.6	9.2	13.8	9.0	12.7	8.5	12.5	8.4	12.0	8.2	11.5	7.9	10.5	7.2	9.1	6.0	8.3	5.4
S	7.6	4.8	7.2	4.4	7.0	4.2	6.5	3.8	5.6	2.9	5.4	2.6	5.1	2.4	4.9	2.2	4.8	2.0	5.0	2.1	6.3	3.1	7.9	4.3	10.2	6.0	12.0	7.3	13.7	8.5	14.6	9.2	14.9	9.5	14.7	9.5	13.8	9.1	12.8	8.6	11.4	7.9	10.3	7.1	8.8	5.9	8.1	5.3
SW	8.3	5.2	7.9	4.8	7.7	4.6	7.3	4.1	6.3	3.2	6.1	3.0	5.8	2.7	5.7	2.5	5.5	2.4	5.7	2.5	7.0	3.5	8.5	4.6	10.0	5.9	11.0	6.7	12.0	7.6	14.0	8.9	15.4	9.8	16.3	10.4	16.2	10.3	16.3	10.4	14.7	9.5	13.3	8.6	11.4	7.2	8.8	5.7
W	8.4	5.2	8.0	4.9	7.8	4.6	7.4	4.2	6.5	3.3	6.2	3.0	6.0	2.8	5.8	2.6	5.6	2.4	5.8	2.5	7.1	3.5	8.6	4.7	10.1	5.9	11.1	6.8	12.1	7.7	12.7	8.3	13.9	9.0	15.5	9.9	16.1	10.3	16.9	10.7	15.8	10.0	14.9	9.4	13.5	8.2	8.9	5.7
NW	7.1	4.6	6.8	4.2	6.5	4.0	6.1	3.6	5.2	2.7	4.9	2.4	4.7	2.1	4.5	2.0	4.3	1.8	4.6	1.9	5.9	2.9	7.3	4.0	8.8	5.3	9.8	6.1	10.8	7.0	11.4	7.6	11.9	8.0	12.0	8.2	12.9	8.6	13.7	9.1	13.3	8.8	12.9	8.4	11.9	7.5	7.6	5.1
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.9	4.5	6.8	4.4	6.6	4.3	6.6	4.3	6.5	4.2	6.5	4.2	6.5	4.2	6.4	4.1	6.4	4.1	6.3	4.0	6.3	4.0	6.3	4.0	6.3	4.0	6.5	4.1	6.6	4.2	6.7	4.3	6.8	4.4	6.9	4.5	7.0	4.6	7.0	4.6	7.0	4.6	7.0	4.6	7.0	4.6	6.9	4.6
NE	8.0	5.0	7.8	4.9	7.7	4.9	7.7	4.8	7.7	4.8	7.6	4.8	7.6	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.4	4.6	7.4	4.6	7.5	4.6	7.8	4.8	8.0	4.9	8.1	5.0	8.1	5.0	8.0	5.1	8.1	5.1	8.1	5.2	8.2	5.2	8.1	5.2	8.1	5.2	8.1	5.1
E	9.6	5.9	9.4	5.8	9.4	5.7	9.3	5.6	9.3	5.6	9.3	5.6	9.2	5.5	9.1	5.5	9.1	5.4	9.1	5.4	9.1	5.4	9.0	5.4	9.1	5.4	9.4	5.6	9.7	5.8	9.9	5.9	9.9	6.0	9.9	6.0	9.8	6.0	9.8	6.0	9.8	6.0	9.8	6.0	9.7	6.0	9.7	5.9
SE	9.6	5.9	9.4	5.7	9.4	5.7	9.3	5.6	9.3	5.6	9.2	5.6	9.2	5.5	9.1	5.5	9.1	5.4	9.1	5.4	9.1	5.4	9.0	5.4	9.1	5.4	9.3	5.5	9.6	5.7	9.8	5.9	9.9	6.0	10.0	6.0	10.0	6.1	9.9	6.0	9.8	6.0	9.8	6.0	9.7	6.0	9.7	5.9
S	9.2	5.7	9.1	5.6	9.0	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.3	8.7	5.3	8.7	5.2	8.7	5.2	8.7	5.2	8.7	5.2	8.8	5.3	9.0	5.4	9.2	5.6	9.4	5.7	9.5	5.8	9.6	5.9	9.7	5.9	9.6	5.9	9.5	5.9	9.5	5.8	9.3	5.8
SW	10.4	6.2	10.2	6.1	9.9	6.0	9.9	5.9	9.8	5.9	9.8	5.9	9.8	5.8	9.7	5.7	9.7	5.7	9.6	5.7	9.6	5.7	9.6	5.7	9.6	5.7	9.8	5.8	9.9	5.9	10.0	6.0	10.1	6.1	10.2	6.2	10.4	6.3	10.6	6.4	10.6	6.4	10.6	6.4	10.6	6.4	10.5	6.3
W	10.6	6.4	10.5	6.3	10.1	6.0	10.0	6.0	10.0	6.0	10.0	5.9	9.9	5.9	9.8	5.8	9.8	5.8	9.8	5.8	9.8	5.7	9.7	5.7	9.8	5.7	9.9	5.8	10.0	5.9	10.2	6.1	10.3	6.1	10.4	6.2	10.4	6.3	10.5	6.4	10.7	6.4	10.8	6.5	10.8	6.5	10.7	6.5
NW	8.9	5.5	8.9	5.5	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.1	4.9	8.1	4.9	8.2	4.9	8.3	5.0	8.4	5.1	8.6	5.3	8.7	5.3	8.7	5.4	8.8	5.5	8.9	5.5	8.9	5.5	8.9	5.6	9.0	5.6	9.0	5.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	7.1	4.7	6.5	4.3	6.4	4.2	6.3	4.1	6.2	4.0	6.1	3.9	5.8	3.6	5.7	3.5	5.7	3.5	5.6	3.4	5.5	3.4	5.7	3.4	6.1	3.7	6.4	4.0	6.9	4.4	7.2	4.6	7.5	4.9	7.7	5.1	7.8	5.2	7.8	5.2	7.8	5.2	7.6	5.2	7.5	5.1	7.3	4.9
NE	7.8	5.1	7.6	4.9	7.4	4.7	7.3	4.6	7.3	4.5	7.1	4.4	6.9	4.1	6.8	4.1	6.7	4.0	6.7	3.9	6.6	3.9	6.8	4.0	7.6	4.5	8.3	4.9	8.6	5.3	8.6	5.4	8.5	5.4	8.7	5.6	8.9	5.7	8.9	5.8	8.8	5.8	8.7	5.7	8.5	5.6	8.2	5.4
E	9.4	5.8	9.1	5.6	9.0	5.5	8.9	5.4	8.8	5.3	8.7	5.2	8.4	4.9	8.3	4.8	8.3	4.8	8.2	4.7	8.2	4.7	8.4	4.8	9.3	5.3	10.2	5.9	10.7	6.3	10.8	6.5	10.8	6.6	10.5	6.5	10.4	6.5	10.4	6.6	10.4	6.5	10.3	6.5	10.1	6.4	9.8	6.2
SE	9.3	5.8	9.1	5.6	9.0	5.5	8.9	5.4	8.8	5.3	8.7	5.2	8.4	4.9	8.3	4.8	8.2	4.8	8.2	4.7	8.1	4.7	8.3	4.7	9.0	5.2	9.9	5.7	10.5	6.2	10.9	6.5	11.1	6.7	11.0	6.7	10.8	6.7	10.4	6.5	10.4	6.5	10.2	6.5	10.1	6.4	9.8	6.1
S	9.0	5.7	8.8	5.5	8.6	5.3	8.5	5.2	8.5	5.1	8.3	5.0	8.1	4.7	8.0	4.7	7.9	4.6	7.9	4.5	7.8	4.5	7.9	4.5	8.3	4.8	8.7	5.2	9.4	5.7	10.0	6.0	10.5	6.4	10.7	6.6	10.8	6.7	10.8	6.7	10.5	6.6	10.2	6.4	9.8	6.2	9.4	6.0
SW	10.5	6.4	9.7	5.9	9.5	5.8	9.4	5.6	9.3	5.6	9.2	5.5	8.9	5.2	8.9	5.1	8.8	5.0	8.7	5.0	8.7	4.9	8.8	5.0	9.2	5.3	9.6	5.6	10.0	6.0	10.3	6.2	10.6	6.5	11.2	6.9	11.6	7.1	11.9	7.3	11.9	7.3	11.9	7.3	11.4	7.0	11.0	6.8
W	11.2	6.7	9.8	6.0	9.7	5.8	9.5	5.7	9.5	5.6	9.3	5.5	9.1	5.3	9.0	5.2	8.9	5.1	8.9	5.0	8.8	5.0	8.9	5.0	9.3	5.3	9.7	5.7	10.2	6.0	10.4	6.3	10.7	6.5	10.9	6.7	11.3	7.0	11.7	7.2	11.9	7.3	12.2	7.4	11.8	7.2	11.6	7.1
NW	9.5	5.9	8.3	5.2	8.1	5.1	8.0	4.9	7.9	4.9	7.8	4.7	7.5	4.5	7.5	4.4	7.4	4.3	7.3	4.3	7.3	4.2	7.4	4.3	7.7	4.5	8.2	4.9	8.6	5.3	8.9	5.5	9.2	5.8	9.4	6.0	9.5	6.1	9.5	6.1	9.8	6.2	10.1	6.4	9.9	6.3	9.8	6.2
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.8	4.5	6.8	4.4	6.6	4.3	6.6	4.3	6.6	4.3	6.5	4.2	6.5	4.2	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.5	4.2	6.6	4.2	6.7	4.3	6.8	4.4	6.9	4.5	6.9	4.5	7.0	4.5	7.0	4.6	7.0	4.6	6.9	4.5	6.9	4.5
NE	7.9	5.0	7.8	4.9	7.8	4.9	7.7	4.8	7.7	4.8	7.7	4.8	7.6	4.8	7.6	4.7	7.5	4.7	7.5	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.8	4.8	7.9	4.9	8.0	5.0	8.0	5.0	8.0	5.0	8.1	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.0	5.1	8.0	5.1
E	9.6	5.8	9.4	5.7	9.4	5.7	9.3	5.7	9.3	5.6	9.3	5.6	9.3	5.6	9.2	5.5	9.2	5.5	9.2	5.5	9.1	5.5	9.1	5.4	9.2	5.5	9.4	5.6	9.7	5.8	9.8	5.9	9.8	5.9	9.8	5.9	9.7	5.9	9.7	5.9	9.7	5.9	9.7	5.9	9.7	5.9	9.6	5.9
SE	9.5	5.8	9.4	5.7	9.4	5.7	9.3	5.7	9.3	5.6	9.3	5.6	9.3	5.6	9.2	5.5	9.2	5.5	9.1	5.5	9.1	5.4	9.1	5.4	9.2	5.5	9.4	5.6	9.6	5.7	9.7	5.8	9.8	5.9	9.9	6.0	9.9	6.0	9.8	6.0	9.7	5.9	9.7	5.9	9.7	5.9	9.6	5.9
S	9.2	5.7	9.1	5.6	9.0	5.5	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.8	5.3	8.8	5.3	8.8	5.3	8.8	5.3	8.8	5.3	8.8	5.3	8.9	5.3	9.0	5.4	9.2	5.6	9.3	5.7	9.5	5.8	9.5	5.8	9.6	5.8	9.5	5.8	9.5	5.8	9.4	5.8	9.3	5.7
SW	10.3	6.2	10.2	6.1	9.9	6.0	9.9	5.9	9.9	5.9	9.9	5.9	9.8	5.9	9.8	5.8	9.7	5.8	9.7	5.7	9.7	5.7	9.7	5.7	9.7	5.7	9.8	5.8	9.9	5.9	10.0	6.0	10.1	6.1	10.2	6.1	10.4	6.2	10.5	6.3	10.5	6.3	10.5	6.3	10.5	6.3	10.4	6.3
W	10.6	6.3	10.4	6.2	10.1	6.0	10.0	6.0	10.0	6.0	10.0	6.0	10.0	5.9	9.9	5.9	9.9	5.8	9.9	5.8	9.8	5.8	9.8	5.8	9.8	5.8	9.9	5.9	10.1	6.0	10.2	6.1	10.3	6.1	10.3	6.2	10.4	6.2	10.5	6.3	10.6	6.4	10.7	6.4	10.7	6.4	10.6	6.4
NW	8.9	5.5	8.8	5.4	8.5	5.2	8.4	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.1	8.4	5.2	8.6	5.3	8.6	5.3	8.7	5.4	8.8	5.4	8.8	5.5	8.8	5.5	8.9	5.5	8.9	5.5	8.9	5.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	4.2	0.6	3.3	-0.3	1.4	-2.2	0.9	-2.7	0.3	-3.2	0.0	-3.6	-0.4	-4.0	0.6	-3.5	5.3	-0.5	11.4	3.5	17.3	7.6	22.1	10.7	26.1	13.5	28.2	15.1	28.6	15.6	28.0	15.6	25.3	14.2	23.0	13.1	18.6	10.8	14.3	8.1	9.1	4.7	6.6	2.9	5.4	1.9	4.7	1.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ELAZIĞ (38.41)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.3	8.0	10.1	7.8	9.8	7.6	9.6	7.3	9.4	7.2	9.1	6.9	9.0	6.8	8.9	6.7	8.8	6.6	8.8	6.6	8.9	6.6	9.9	7.3	10.8	8.0	11.2	8.3	11.7	8.7	12.2	9.1	12.5	9.4	12.7	9.6	12.8	9.7	12.6	9.7	12.4	9.5	12.0	9.3	11.8	9.2	11.6	8.9
NE	11.2	8.5	11.0	8.3	10.7	8.0	10.5	7.8	10.4	7.7	10.0	7.3	9.9	7.2	9.8	7.1	9.7	7.0	9.7	7.0	10.0	7.1	11.2	7.9	13.0	9.0	13.6	9.5	13.7	9.7	13.6	9.8	13.4	9.8	13.6	10.0	13.7	10.2	13.6	10.1	13.3	10.0	12.9	9.8	12.5	9.5	11.8	9.0
E	12.1	9.0	11.9	8.7	11.6	8.5	11.4	8.2	11.3	8.1	10.9	7.8	10.8	7.7	10.7	7.6	10.6	7.5	10.6	7.5	10.9	7.6	12.1	8.4	14.2	9.6	15.2	10.3	15.4	10.6	15.4	10.7	15.0	10.6	14.5	10.5	14.6	10.6	14.4	10.6	14.2	10.5	13.8	10.2	13.4	9.9	12.7	9.4
SE	12.2	9.0	11.9	8.8	11.6	8.5	11.4	8.3	11.3	8.2	11.0	7.8	10.9	7.7	10.8	7.6	10.7	7.5	10.7	7.5	10.8	7.5	11.9	8.3	13.5	9.3	14.6	10.0	15.2	10.4	15.5	10.7	15.5	10.8	15.2	10.8	14.7	10.7	14.5	10.6	14.2	10.5	13.9	10.2	13.4	10.0	12.7	9.5
S	11.2	8.5	10.9	8.3	10.7	8.0	10.4	7.8	10.3	7.7	10.0	7.3	9.9	7.2	9.8	7.1	9.7	7.0	9.7	7.0	9.7	7.0	10.7	7.7	11.5	8.3	12.1	8.8	13.0	9.3	13.7	9.9	14.2	10.2	14.5	10.5	14.5	10.6	14.2	10.5	13.7	10.2	12.9	9.8	12.4	9.5	11.7	9.0
SW	12.3	9.0	12.1	8.8	11.8	8.5	11.6	8.3	11.4	8.2	11.1	7.9	11.0	7.8	10.9	7.7	10.8	7.6	10.8	7.6	10.8	7.6	11.8	8.2	12.6	8.8	13.2	9.3	13.7	9.7	14.2	10.1	14.6	10.4	15.3	10.9	15.9	11.3	16.2	11.5	16.1	11.4	15.7	11.1	14.7	10.6	14.1	10.1
W	12.8	9.3	12.5	9.0	12.2	8.8	12.0	8.5	11.9	8.4	11.5	8.1	11.4	8.0	11.3	7.9	11.2	7.8	11.2	7.8	11.3	7.8	12.2	8.5	13.0	9.1	13.6	9.5	14.1	9.9	14.6	10.3	14.9	10.6	15.1	10.8	15.9	11.3	16.6	11.6	16.8	11.8	16.7	11.7	16.0	11.2	15.7	11.0
NW	11.8	8.8	11.5	8.5	11.2	8.3	11.0	8.1	10.9	7.9	10.5	7.6	10.4	7.5	10.3	7.4	10.2	7.3	10.2	7.3	10.3	7.3	11.2	8.0	12.0	8.6	12.6	9.0	13.1	9.4	13.6	9.8	13.9	10.1	14.1	10.3	14.2	10.4	14.6	10.7	14.9	10.8	15.0	10.8	14.6	10.5	14.5	10.4
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	11.0	8.4	10.6	8.1	10.5	8.0	10.4	7.9	10.3	7.9	10.3	7.8	10.2	7.7	10.2	7.7	10.1	7.6	10.1	7.6	10.1	7.6	10.1	7.6	10.5	7.9	10.7	8.1	10.9	8.2	11.0	8.3	11.2	8.4	11.3	8.5	11.3	8.6	11.4	8.6	11.3	8.6	11.2	8.6	11.1	8.5	11.1	8.4
NE	11.8	8.8	11.6	8.6	11.5	8.5	11.5	8.5	11.4	8.4	11.3	8.3	11.2	8.2	11.2	8.2	11.2	8.2	11.1	8.1	11.1	8.1	11.2	8.2	11.6	8.4	12.2	8.8	12.4	8.9	12.4	9.0	12.4	9.0	12.3	9.0	12.4	9.1	12.4	9.1	12.4	9.1	12.3	9.1	12.2	9.0	12.0	8.9
E	12.8	9.3	12.6	9.1	12.5	9.0	12.4	8.9	12.4	8.9	12.3	8.8	12.2	8.7	12.2	8.7	12.2	8.7	12.1	8.6	12.1	8.6	12.2	8.7	12.6	8.9	13.3	9.3	13.6	9.5	13.7	9.6	13.7	9.7	13.5	9.6	13.4	9.6	13.4	9.6	13.4	9.6	13.3	9.6	13.2	9.5	13.0	9.4
SE	12.8	9.3	12.6	9.1	12.5	9.0	12.5	9.0	12.4	8.9	12.3	8.8	12.2	8.7	12.2	8.7	12.2	8.7	12.1	8.6	12.1	8.6	12.2	8.6	12.5	8.9	13.1	9.2	13.4	9.4	13.6	9.6	13.7	9.7	13.7	9.7	13.6	9.7	13.4	9.7	13.4	9.6	13.3	9.6	13.2	9.5	13.0	9.4
S	11.7	8.7	11.5	8.6	11.5	8.5	11.4	8.4	11.3	8.3	11.3	8.3	11.2	8.2	11.1	8.2	11.1	8.1	11.1	8.1	11.1	8.1	11.1	8.1	11.4	8.3	11.6	8.5	11.9	8.7	12.1	8.8	12.4	9.0	12.5	9.1	12.6	9.2	12.6	9.2	12.5	9.2	12.4	9.1	12.1	9.0	12.0	8.9
SW	13.4	9.5	12.8	9.2	12.7	9.1	12.6	9.0	12.5	9.0	12.5	8.9	12.4	8.8	12.4	8.8	12.3	8.8	12.3	8.7	12.3	8.7	12.3	8.7	12.6	8.9	12.9	9.1	13.1	9.3	13.2	9.4	13.4	9.5	13.5	9.6	13.8	9.8	14.0	9.9	14.0	10.0	14.0	9.9	13.9	9.9	13.6	9.7
W	14.2	10.0	13.3	9.4	13.2	9.4	13.1	9.3	13.0	9.2	13.0	9.2	12.9	9.1	12.9	9.0	12.8	9.0	12.8	9.0	12.8	9.0	12.8	9.0	13.1	9.2	13.4	9.4	13.6	9.5	13.7	9.6	13.9	9.8	14.0	9.9	14.0	9.9	14.3	10.1	14.5	10.2	14.6	10.2	14.6	10.2	14.3	10.1
NW	13.1	9.4	12.2	8.9	12.1	8.8	12.0	8.7	11.9	8.7	11.9	8.6	11.8	8.5	11.8	8.5	11.7	8.4	11.7	8.4	11.7	8.4	11.7	8.4	12.0	8.6	12.3	8.8	12.5	9.0	12.6	9.1	12.8	9.2	12.9	9.3	12.9	9.4	13.0	9.4	13.1	9.5	13.2	9.5	13.2	9.5	13.1	9.5
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	11.1	8.4	10.5	8.1	10.4	8.0	10.3	7.9	10.2	7.8	10.2	7.7	10.0	7.6	10.0	7.5	9.9	7.5	9.9	7.4	9.9	7.4	9.9	7.5	10.4	7.8	10.8	8.0	10.9	8.2	11.1	8.4	11.3	8.5	11.5	8.6	11.6	8.7	11.6	8.8	11.5	8.8	11.4	8.7	11.3	8.6	11.2	8.6
NE	11.8	8.8	11.5	8.6	11.5	8.5	11.3	8.4	11.2	8.3	11.2	8.2	11.0	8.1	11.0	8.0	10.9	8.0	10.9	7.9	10.9	7.9	11.0	8.0	11.5	8.3	12.3	8.8	12.6	9.0	12.6	9.1	12.6	9.2	12.5	9.2	12.6	9.3	12.6	9.3	12.6	9.3	12.5	9.2	12.3	9.1	12.1	9.0
E	12.8	9.3	12.5	9.1	12.4	9.0	12.3	8.9	12.2	8.8	12.2	8.7	12.0	8.6	12.0	8.5	11.9	8.5	11.9	8.4	11.9	8.4	12.0	8.5	12.5	8.8	13.4	9.4	13.9	9.7	14.0	9.8	13.9	9.8	13.8	9.8	13.6	9.7	13.6	9.8	13.5	9.8	13.4	9.7	13.3	9.6	13.1	9.5
SE	12.8	9.3	12.5	9.1	12.4	9.0	12.3	8.9	12.2	8.8	12.2	8.7	12.0	8.6	12.0	8.5	11.9	8.5	11.9	8.4	11.9	8.4	11.9	8.5	12.4	8.8	13.1	9.2	13.6	9.5	13.8	9.7	14.0	9.9	14.0	9.9	13.9	9.9	13.7	9.8	13.5	9.8	13.4	9.7	13.3	9.6	13.1	9.5
S	11.7	8.8	11.5	8.6	11.4	8.5	11.3	8.3	11.2	8.3	11.1	8.2	11.0	8.0	10.9	8.0	10.9	8.0	10.8	7.9	10.8	7.9	10.9	7.9	11.3	8.2	11.6	8.5	11.9	8.7	12.3	8.9	12.6	9.2	12.8	9.3	12.9	9.4	12.9	9.5	12.8	9.4	12.6	9.3	12.2	9.1	12.0	9.0
SW	13.5	9.6	12.7	9.2	12.6	9.1	12.5	9.0	12.4	8.9	12.3	8.8	12.2	8.6	12.1	8.6	12.1	8.6	12.0	8.5	12.0	8.5	12.1	8.5	12.5	8.8	12.8	9.1	13.1	9.3	13.3	9.5	13.5	9.6	13.7	9.8	14.0	10.0	14.3	10.1	14.4	10.2	14.4	10.2	14.2	10.1	13.8	9.9
W	14.5	10.2	13.2	9.4	13.1	9.3	13.0	9.2	12.9	9.1	12.8	9.0	12.7	8.9	12.6	8.9	12.6	8.8	12.5	8.8	12.5	8.8	12.6	8.8	13.0	9.1	13.3	9.3	13.6	9.5	13.8	9.7	14.0	9.9	14.1	10.0	14.2	10.1	14.6	10.3	14.9	10.5	15.0	10.5	14.9	10.5	14.6	10.3
NW	13.3	9.6	12.1	8.9	12.0	8.8	11.9	8.6	11.8	8.6	11.7	8.5	11.6	8.3	11.5	8.3	11.5	8.3	11.4	8.2	11.4	8.2	11.5	8.2	11.9	8.5	12.2	8.8	12.5	9.0	12.7	9.1	12.9	9.3	13.0	9.4	13.1	9.5	13.2	9.6	13.3	9.7	13.5	9.8	13.5	9.8	13.3	9.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	11.2	8.5	10.5	8.1	10.4	8.0	10.2	7.8	10.1	7.7	10.0	7.6	9.9	7.5	9.8	7.4	9.8	7.4	9.7	7.3	9.7	7.3	9.8	7.3	10.3	7.7	10.8	8.0	11.0	8.2	11.2	8.4	11.5	8.6	11.6	8.8	11.7	8.9	11.8	8.9	11.7	8.9	11.6	8.9	11.4	8.7	11.3	8.7
NE	11.8	8.8	11.5	8.6	11.4	8.5	11.2	8.3	11.1	8.2	11.1	8.2	10.9	8.0	10.8	7.9	10.8	7.9	10.7	7.8	10.7	7.8	10.9	7.9	11.5	8.3	12.4	8.8	12.8	9.1	12.8	9.2	12.7	9.3	12.6	9.3	12.7	9.4	12.8	9.4	12.7	9.4	12.6	9.4	12.4	9.2	12.2	9.1
E	12.8	9.3	12.5	9.1	12.3	8.9	12.2	8.8	12.1	8.7	12.0	8.6	11.8	8.4	11.8	8.4	11.7	8.3	11.7	8.3	11.7	8.3	11.8	8.3	12.5	8.8	13.5	9.4	14.1	9.8	14.2	9.9	14.2	10.0	14.0	9.9	13.7	9.9	13.7	9.9	13.7	9.9	13.6	9.8	13.3	9.7	13.1	9.6
SE	12.8	9.3	12.5	9.1	12.4	9.0	12.2	8.8	12.1	8.7	12.0	8.6	11.9	8.4	11.8	8.4	11.8	8.4	11.7	8.3	11.7	8.3	11.8	8.3	12.3	8.7	13.2	9.2	13.8	9.6	14.0	9.8	14.2	10.0	14.2	10.0	14.1	10.0	13.8	10.0	13.7	9.9	13.6	9.9	13.4	9.7	13.1	9.6
S	11.7	8.8	11.4	8.5	11.3	8.4	11.2	8.3	11.1	8.2	11.0	8.1	10.8	7.9	10.8	7.9	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	11.2	8.1	11.6	8.4	11.9	8.7	12.4	9.0	12.8	9.3	13.0	9.5	13.2	9.6	13.2	9.6	13.0	9.6	12.7	9.4	12.3	9.2	12.1	9.1
SW	13.6	9.7	12.6	9.2	12.5	9.0	12.4	8.9	12.3	8.8	12.2	8.7	12.0	8.5	12.0	8.5	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.4	12.4	8.7	12.8	9.0	13.1	9.3	13.4	9.5	13.6	9.7	13.8	9.9	14.2	10.1	14.5	10.3	14.7	10.4	14.6	10.4	14.4	10.2	13.9	10.0
W	14.7	10.3	13.1	9.4	13.0	9.3	12.8	9.1	12.7	9.0	12.7	9.0	12.5	8.8	12.4	8.7	12.4	8.7	12.3	8.6	12.3	8.6	12.4	8.6	12.8	9.0	13.3	9.3	13.6	9.5	13.8	9.7	14.1	9.9	14.3	10.1	14.4	10.2	14.8	10.4	15.1	10.6	15.2	10.7	15.2	10.6	14.8	10.4
NW	13.5	9.7	12.1	8.9	11.9	8.7	11.8	8.6	11.7	8.5	11.6	8.4	11.4	8.2	11.4	8.2	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.8	8.4	12.2	8.7	12.5	9.0	12.8	9.2	13.0	9.4	13.2	9.5	13.3	9.6	13.3	9.7	13.5	9.8	13.7	9.9	13.8	9.9	13.5	9.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	14.9	8.3	14.9	8.3	14.8	8.2	14.7	8.1	14.7	8.1	14.6	8.0	14.6	7.9	14.5	7.9	14.5	7.9	14.5	7.9	14.5	7.9	14.9	8.2	15.4	8.5	15.8	8.7	16.2	8.9	16.4	9.1	16.6	9.2	16.7	9.3	16.7	9.3	16.6	9.3	16.3	9.1	16.0	9.0	15.6	8.8	15.3	8.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ELAZIĞ (38.41)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	9.6	7.7	9.2	7.2	8.8	6.8	8.6	6.7	8.0	6.1	7.9	5.9	7.7	5.7	7.6	5.6	7.6	5.6	7.8	5.7	9.4	6.8	10.9	7.9	11.5	8.5	12.3	9.1	13.1	9.7	13.6	10.2	13.9	10.5	14.1	10.7	13.8	10.7	13.5	10.5	12.8	10.1	12.6	9.8	12.1	9.4	10.1	8.0
NE	10.5	8.1	10.0	7.6	9.7	7.3	9.5	7.1	8.9	6.5	8.7	6.3	8.6	6.2	8.4	6.0	8.4	6.0	8.9	6.2	10.8	7.5	13.7	9.3	14.8	10.1	14.9	10.4	14.8	10.5	14.5	10.6	14.8	10.9	14.9	11.1	14.7	11.1	14.3	10.9	13.7	10.5	13.0	10.1	11.8	9.2	10.9	8.4
E	11.3	8.5	10.8	8.0	10.5	7.7	10.3	7.5	9.7	6.9	9.5	6.7	9.4	6.6	9.2	6.4	9.2	6.4	9.7	6.6	11.7	7.9	15.1	10.0	16.7	11.0	17.1	11.4	17.0	11.7	16.4	11.6	15.6	11.3	15.7	11.5	15.5	11.5	15.1	11.3	14.5	10.9	13.8	10.4	12.6	9.6	11.7	8.8
SE	11.3	8.5	10.9	8.0	10.5	7.7	10.3	7.5	9.7	6.9	9.6	6.8	9.4	6.6	9.3	6.4	9.2	6.4	9.5	6.5	11.3	7.7	14.0	9.4	15.8	10.6	16.7	11.2	17.2	11.8	17.1	11.9	16.7	11.9	15.9	11.6	15.5	11.5	15.2	11.3	14.5	10.9	13.8	10.5	12.7	9.6	11.7	8.8
S	10.4	8.0	10.0	7.6	9.6	7.2	9.4	7.0	8.8	6.4	8.7	6.3	8.5	6.1	8.4	6.0	8.3	6.0	8.4	6.0	10.0	7.1	11.3	8.1	12.4	8.9	13.8	9.8	15.0	10.7	15.8	11.3	16.3	11.6	16.3	11.8	15.9	11.7	14.9	11.2	13.7	10.5	12.9	10.0	11.8	9.2	10.8	8.4
SW	11.4	8.5	11.0	8.1	10.6	7.7	10.4	7.5	9.8	6.9	9.7	6.8	9.5	6.6	9.4	6.5	9.3	6.4	9.4	6.5	11.0	7.6	12.3	8.6	13.3	9.4	14.1	10.0	14.9	10.6	15.6	11.1	16.8	11.9	17.8	12.6	18.3	12.9	18.0	12.8	17.3	12.3	15.9	11.5	14.7	10.7	11.8	8.9
W	11.8	8.7	11.4	8.3	11.0	7.9	10.8	7.7	10.2	7.1	10.1	7.0	9.9	6.8	9.8	6.7	9.7	6.6	9.8	6.7	11.4	7.8	12.7	8.8	13.7	9.6	14.5	10.2	15.3	10.8	15.8	11.2	16.1	11.6	17.5	12.4	18.5	13.0	18.9	13.2	18.8	13.1	17.5	12.3	17.1	11.9	12.3	9.1
NW	10.9	8.3	10.5	7.8	10.1	7.5	9.9	7.3	9.3	6.7	9.2	6.6	9.0	6.4	8.9	6.2	8.8	6.2	8.9	6.2	10.5	7.3	11.8	8.3	12.8	9.1	13.6	9.7	14.4	10.3	14.9	10.8	15.2	11.1	15.4	11.4	16.0	11.8	16.6	12.0	16.7	12.0	16.0	11.6	15.9	11.3	11.4	8.7
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.9	8.3	10.8	8.2	10.6	8.1	10.6	8.1	10.6	8.0	10.5	8.0	10.5	8.0	10.4	7.9	10.4	7.9	10.4	7.9	10.4	7.9	10.4	7.9	10.4	7.9	10.6	8.0	10.7	8.1	10.8	8.1	10.9	8.2	10.9	8.3	11.0	8.3	11.0	8.3	11.0	8.4	11.0	8.3	11.0	8.3	10.9	8.3
NE	11.9	8.8	11.8	8.7	11.7	8.6	11.7	8.6	11.6	8.6	11.6	8.5	11.6	8.5	11.5	8.4	11.5	8.4	11.5	8.4	11.5	8.4	11.5	8.4	11.5	8.4	11.7	8.5	12.0	8.7	12.1	8.8	12.1	8.8	12.1	8.8	12.1	8.8	12.1	8.9	12.1	8.9	12.1	8.9	12.0	8.9	12.0	8.8
E	12.9	9.3	12.8	9.2	12.7	9.1	12.7	9.1	12.6	9.1	12.6	9.0	12.6	9.0	12.5	9.0	12.5	8.9	12.5	8.9	12.5	8.9	12.5	8.9	12.5	8.9	12.7	9.1	13.0	9.2	13.2	9.4	13.2	9.4	13.2	9.4	13.2	9.4	13.1	9.4	13.1	9.4	13.1	9.4	13.0	9.4	13.0	9.3
SE	12.9	9.3	12.8	9.2	12.7	9.1	12.7	9.1	12.6	9.1	12.6	9.0	12.6	9.0	12.5	9.0	12.5	8.9	12.5	8.9	12.5	8.9	12.5	8.9	12.5	8.9	12.7	9.0	12.9	9.2	13.1	9.3	13.2	9.4	13.3	9.4	13.2	9.4	13.2	9.4	13.1	9.4	13.1	9.4	13.1	9.4	13.0	9.3
S	11.8	8.8	11.7	8.7	11.6	8.6	11.6	8.6	11.6	8.5	11.5	8.5	11.5	8.5	11.5	8.4	11.4	8.4	11.4	8.4	11.4	8.4	11.4	8.4	11.4	8.4	11.6	8.5	11.7	8.6	11.8	8.6	11.9	8.7	12.0	8.8	12.1	8.9	12.2	8.9	12.2	8.9	12.1	8.9	12.0	8.9	11.9	8.8
SW	13.3	9.5	13.2	9.4	12.9	9.2	12.9	9.2	12.8	9.2	12.8	9.1	12.8	9.1	12.7	9.0	12.7	9.0	12.7	9.0	12.7	9.0	12.7	9.0	12.7	9.0	12.8	9.1	12.9	9.2	13.0	9.3	13.1	9.3	13.2	9.4	13.3	9.4	13.4	9.5	13.5	9.6	13.5	9.6	13.5	9.6	13.4	9.6
W	13.9	9.8	13.9	9.7	13.4	9.5	13.4	9.4	13.3	9.4	13.3	9.4	13.3	9.4	13.2	9.3	13.2	9.3	13.2	9.3	13.2	9.2	13.2	9.2	13.2	9.2	13.3	9.4	13.4	9.4	13.6	9.5	13.6	9.6	13.7	9.6	13.8	9.7	13.8	9.7	13.9	9.8	14.0	9.9	14.0	9.9	14.0	9.9
NW	12.7	9.2	12.7	9.2	12.3	8.9	12.2	8.9	12.2	8.8	12.2	8.8	12.1	8.8	12.1	8.7	12.1	8.7	12.1	8.7	12.0	8.7	12.0	8.7	12.0	8.7	12.2	8.8	12.3	8.9	12.4	9.0	12.5	9.0	12.6	9.1	12.6	9.1	12.6	9.2	12.7	9.2	12.7	9.2	12.8	9.2	12.8	9.2
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	11.1	8.5	10.5	8.1	10.4	8.0	10.3	7.8	10.1	7.7	10.1	7.7	9.9	7.5	9.9	7.5	9.8	7.4	9.8	7.4	9.8	7.4	9.8	7.4	10.3	7.7	10.8	8.0	10.9	8.2	11.2	8.4	11.4	8.6	11.6	8.7	11.7	8.8	11.7	8.9	11.6	8.9	11.5	8.8	11.3	8.7	11.3	8.6
NE	11.8	8.8	11.5	8.6	11.4	8.5	11.3	8.3	11.2	8.2	11.1	8.2	10.9	8.0	10.9	8.0	10.8	7.9	10.8	7.9	10.8	7.9	10.9	7.9	11.5	8.3	12.4	8.8	12.7	9.1	12.7	9.2	12.7	9.2	12.6	9.2	12.7	9.3	12.7	9.4	12.7	9.4	12.5	9.3	12.3	9.2	12.1	9.1
E	12.8	9.3	12.5	9.1	12.4	9.0	12.2	8.8	12.1	8.7	12.1	8.7	11.9	8.5	11.9	8.4	11.8	8.4	11.8	8.4	11.8	8.3	11.9	8.4	12.5	8.8	13.5	9.4	14.0	9.7	14.1	9.8	14.1	9.9	13.9	9.9	13.6	9.8	13.7	9.9	13.6	9.9	13.5	9.8	13.3	9.7	13.1	9.5
SE	12.8	9.3	12.5	9.1	12.4	9.0	12.3	8.8	12.1	8.7	12.1	8.7	11.9	8.5	11.9	8.5	11.8	8.4	11.8	8.4	11.8	8.4	11.8	8.4	12.4	8.8	13.2	9.2	13.7	9.6	14.0	9.8	14.1	9.9	14.1	10.0	14.0	10.0	13.7	9.9	13.6	9.9	13.5	9.8	13.3	9.7	13.1	9.6
S	11.7	8.8	11.5	8.6	11.3	8.5	11.2	8.3	11.1	8.2	11.1	8.2	10.9	8.0	10.8	7.9	10.8	7.9	10.7	7.8	10.7	7.8	10.8	7.8	11.2	8.2	11.6	8.5	11.9	8.7	12.3	9.0	12.7	9.2	12.9	9.4	13.1	9.5	13.1	9.6	12.9	9.5	12.7	9.4	12.3	9.2	12.1	9.0
SW	13.5	9.7	12.7	9.2	12.6	9.1	12.4	8.9	12.3	8.8	12.3	8.8	12.1	8.6	12.0	8.5	12.0	8.5	11.9	8.4	11.9	8.4	12.0	8.4	12.4	8.8	12.8	9.1	13.1	9.3	13.3	9.5	13.6	9.7	13.8	9.8	14.1	10.1	14.4	10.2	14.6	10.3	14.5	10.3	14.3	10.2	13.9	9.9
W	14.6	10.2	13.2	9.4	13.0	9.3	12.9	9.2	12.8	9.0	12.7	9.0	12.6	8.8	12.5	8.8	12.5	8.7	12.4	8.7	12.4	8.7	12.4	8.7	12.9	9.0	13.3	9.3	13.6	9.5	13.8	9.7	14.0	9.9	14.2	10.0	14.3	10.1	14.7	10.4	15.0	10.6	15.1	10.6	15.1	10.6	14.7	10.4
NW	13.4	9.6	12.1	8.9	11.9	8.8	11.8	8.6	11.7	8.5	11.7	8.5	11.5	8.3	11.4	8.2	11.4	8.2	11.3	8.1	11.3	8.1	11.4	8.1	11.8	8.5	12.2	8.8	12.5	9.0	12.7	9.2	13.0	9.4	13.1	9.5	13.2	9.6	13.3	9.7	13.5	9.8	13.6	9.9	13.7	9.9	13.4	9.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.8	8.2	10.8	8.2	10.6	8.1	10.6	8.1	10.6	8.0	10.6	8.0	10.5	8.0	10.5	7.9	10.5	7.9	10.5	7.9	10.5	7.9	10.5	7.9	10.5	7.9	10.6	8.0	10.7	8.1	10.8	8.1	10.8	8.2	10.9	8.2	10.9	8.3	11.0	8.3	11.0	8.3	10.9	8.3	10.9	8.3	10.9	8.3
NE	11.9	8.8	11.8	8.7	11.7	8.6	11.7	8.6	11.7	8.6	11.6	8.5	11.6	8.5	11.6	8.5	11.6	8.5	11.5	8.5	11.5	8.4	11.5	8.4	11.6	8.5	11.7	8.6	11.9	8.7	12.0	8.8	12.0	8.8	12.0	8.8	12.0	8.8	12.0	8.8	12.0	8.8	12.0	8.8	12.0	8.8	11.9	8.8
E	12.9	9.3	12.8	9.2	12.7	9.1	12.7	9.1	12.7	9.1	12.6	9.1	12.6	9.0	12.6	9.0	12.6	9.0	12.6	9.0	12.5	9.0	12.5	9.0	12.6	9.0	12.7	9.1	13.0	9.2	13.1	9.3	13.2	9.3	13.2	9.4	13.1	9.4	13.0	9.3	13.1	9.4	13.0	9.4	13.0	9.3	13.0	9.3
SE	12.9	9.3	12.8	9.2	12.7	9.1	12.7	9.1	12.7	9.1	12.7	9.1	12.6	9.0	12.6	9.0	12.6	9.0	12.6	9.0	12.6	9.0	12.6	9.0	12.6	9.0	12.7	9.1	12.9	9.2	13.1	9.3	13.1	9.3	13.2	9.4	13.2	9.4	13.1	9.4	13.1	9.4	13.0	9.4	13.0	9.3	13.0	9.3
S	11.8	8.7	11.7	8.7	11.7	8.6	11.6	8.6	11.6	8.5	11.6	8.5	11.5	8.5	11.5	8.4	11.5	8.4	11.5	8.4	11.5	8.4	11.5	8.4	11.5	8.4	11.6	8.5	11.7	8.6	11.8	8.6	11.9	8.7	12.0	8.8	12.0	8.8	12.1	8.9	12.1	8.9	12.1	8.9	12.0	8.8	11.9	8.8
SW	13.2	9.4	13.2	9.4	12.9	9.2	12.9	9.2	12.9	9.2	12.8	9.1	12.8	9.1	12.8	9.1	12.8	9.1	12.7	9.1	12.7	9.0	12.7	9.0	12.7	9.0	12.9	9.1	13.0	9.2	13.0	9.3	13.1	9.3	13.2	9.4	13.2	9.4	13.3	9.5	13.4	9.5	13.4	9.5	13.4	9.5	13.4	9.5
W	13.8	9.7	13.8	9.7	13.4	9.5	13.4	9.5	13.4	9.4	13.3	9.4	13.3	9.4	13.3	9.3	13.3	9.3	13.3	9.3	13.2	9.3	13.2	9.3	13.2	9.3	13.4	9.4	13.5	9.5	13.5	9.5	13.6	9.6	13.7	9.6	13.7	9.7	13.7	9.7	13.8	9.7	13.9	9.8	14.0	9.8	13.9	9.8
NW	12.7	9.1	12.6	9.1	12.3	8.9	12.3	8.9	12.2	8.9	12.2	8.8	12.2	8.8	12.1	8.8	12.1	8.8	12.1	8.7	12.1	8.7	12.1	8.7	12.1	8.7	12.2	8.8	12.3	8.9	12.4	9.0	12.5	9.0	12.5	9.1	12.6	9.1	12.6	9.1	12.6	9.1	12.7	9.2	12.7	9.2	12.7	9.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	7.4	3.8	7.0	3.4	5.7	2.2	5.4	1.9	5.1	1.5	4.8	1.2	4.7	1.1	5.2	1.3	9.8	4.3	15.4	7.8	20.4	10.9	24.2	13.2	27.5	15.4	29.4	16.7	30.3	17.6	30.4	17.9	29.2	17.4	26.2	15.9	22.6	14.0	18.1	11.6	13.9	8.9	9.9	6.3	9.1	5.5	8.1	4.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ERZİNCAN (39.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.2	5.3	7.0	5.1	6.9	5.0	6.7	4.8	6.5	4.6	6.2	4.3	6.0	4.1	5.9	4.0	5.8	3.9	5.7	3.8	5.9	3.9	6.8	4.6	7.5	5.1	8.1	5.6	8.7	6.1	9.2	6.5	9.5	6.8	9.8	7.0	9.8	7.1	9.7	7.1	9.4	6.9	9.0	6.6	8.1	6.1	7.6	5.6
NE	8.3	5.8	8.1	5.7	8.0	5.5	7.8	5.3	7.6	5.1	7.3	4.8	7.1	4.7	7.0	4.5	6.9	4.4	6.8	4.3	7.1	4.5	8.5	5.4	10.0	6.4	10.6	6.9	10.7	7.1	10.5	7.1	10.7	7.4	10.9	7.6	10.9	7.7	10.8	7.7	10.5	7.5	10.1	7.2	9.2	6.6	8.7	6.2
E	9.4	6.4	9.2	6.2	9.1	6.1	8.9	5.9	8.7	5.7	8.4	5.4	8.3	5.2	8.1	5.1	8.0	5.0	7.9	4.9	8.2	5.1	9.8	6.0	11.7	7.2	12.7	7.9	12.9	8.2	12.7	8.3	12.2	8.1	12.0	8.2	12.0	8.2	11.9	8.2	11.6	8.0	11.2	7.7	10.3	7.2	9.8	6.7
SE	9.4	6.4	9.2	6.2	9.1	6.1	8.9	5.9	8.7	5.7	8.4	5.4	8.2	5.2	8.1	5.1	8.0	5.0	7.9	4.9	8.2	5.0	9.4	5.8	11.1	6.9	12.3	7.7	12.9	8.2	13.1	8.4	13.0	8.5	12.6	8.5	12.0	8.2	11.9	8.2	11.6	8.0	11.2	7.7	10.3	7.2	9.8	6.7
S	9.0	6.1	8.8	6.0	8.7	5.9	8.5	5.7	8.3	5.5	8.0	5.2	7.8	5.0	7.7	4.9	7.6	4.8	7.5	4.7	7.7	4.8	8.5	5.4	9.3	6.0	10.3	6.7	11.3	7.4	12.1	7.9	12.6	8.3	12.9	8.6	12.8	8.6	12.4	8.5	11.6	8.0	10.8	7.5	9.9	7.0	9.4	6.5
SW	9.3	6.3	9.1	6.2	9.0	6.0	8.8	5.8	8.6	5.6	8.3	5.3	8.1	5.2	8.0	5.0	7.9	4.9	7.8	4.8	8.0	5.0	8.8	5.5	9.6	6.2	10.2	6.7	10.8	7.1	11.3	7.6	12.2	8.1	13.1	8.7	13.7	9.1	14.1	9.3	13.6	9.0	11.5	7.9	10.2	7.2	9.7	6.7
W	9.0	6.2	8.8	6.0	8.7	5.9	8.5	5.7	8.3	5.5	8.0	5.2	7.9	5.0	7.7	4.9	7.6	4.8	7.5	4.7	7.7	4.8	8.5	5.4	9.3	6.0	10.0	6.5	10.5	7.0	11.0	7.4	11.4	7.7	12.1	8.2	13.0	8.7	13.8	9.2	13.8	9.1	11.5	7.8	10.0	7.0	9.4	6.5
NW	7.9	5.6	7.8	5.5	7.6	5.3	7.4	5.1	7.2	5.0	6.9	4.6	6.8	4.5	6.6	4.4	6.5	4.3	6.4	4.2	6.6	4.3	7.4	4.9	8.2	5.5	8.9	6.0	9.5	6.5	10.0	6.9	10.3	7.2	10.5	7.4	10.7	7.6	11.4	8.0	11.7	8.1	10.2	7.2	8.9	6.5	8.4	6.0
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	7.6	5.5	7.5	5.4	7.4	5.3	7.4	5.3	7.3	5.2	7.3	5.1	7.2	5.0	7.1	5.0	7.1	5.0	7.0	4.9	7.0	4.9	7.1	4.9	7.4	5.1	7.6	5.3	7.8	5.5	8.0	5.6	8.1	5.8	8.2	5.9	8.3	5.9	8.3	6.0	8.3	6.0	8.2	5.9	8.1	5.8	7.8	5.6
NE	8.8	6.1	8.7	6.0	8.7	5.9	8.6	5.9	8.6	5.8	8.5	5.8	8.4	5.7	8.3	5.6	8.3	5.6	8.3	5.5	8.2	5.5	8.3	5.6	8.8	5.8	9.3	6.2	9.5	6.3	9.5	6.4	9.4	6.4	9.5	6.5	9.5	6.6	9.6	6.6	9.5	6.6	9.4	6.5	9.3	6.4	9.0	6.2
E	10.1	6.7	9.9	6.6	9.9	6.5	9.9	6.5	9.8	6.4	9.7	6.4	9.6	6.3	9.6	6.2	9.5	6.2	9.5	6.2	9.5	6.1	9.6	6.2	10.1	6.5	10.7	6.9	11.0	7.1	11.1	7.2	11.0	7.2	10.9	7.2	10.8	7.2	10.8	7.2	10.8	7.2	10.7	7.1	10.5	7.0	10.3	6.9
SE	10.1	6.7	9.9	6.6	9.9	6.5	9.8	6.5	9.8	6.4	9.7	6.4	9.6	6.3	9.6	6.2	9.5	6.2	9.5	6.2	9.5	6.1	9.6	6.2	9.9	6.4	10.5	6.8	10.9	7.0	11.1	7.2	11.1	7.3	11.1	7.3	11.0	7.3	10.8	7.2	10.8	7.2	10.7	7.1	10.5	7.0	10.2	6.9
S	9.6	6.5	9.5	6.4	9.4	6.3	9.4	6.3	9.3	6.2	9.3	6.1	9.2	6.0	9.1	6.0	9.1	6.0	9.0	5.9	9.0	5.9	9.1	5.9	9.3	6.1	9.6	6.3	9.9	6.5	10.2	6.8	10.5	6.9	10.6	7.1	10.7	7.1	10.7	7.2	10.6	7.1	10.3	7.0	10.1	6.8	9.8	6.6
SW	9.9	6.6	9.8	6.5	9.8	6.5	9.7	6.4	9.7	6.4	9.6	6.3	9.5	6.2	9.4	6.2	9.4	6.1	9.4	6.1	9.3	6.1	9.4	6.1	9.7	6.3	9.9	6.5	10.1	6.6	10.3	6.8	10.5	6.9	10.8	7.1	11.1	7.3	11.2	7.4	11.4	7.5	11.2	7.4	10.5	7.0	10.1	6.8
W	9.7	6.5	9.5	6.4	9.5	6.3	9.4	6.3	9.4	6.2	9.3	6.2	9.2	6.1	9.1	6.0	9.1	6.0	9.1	5.9	9.0	5.9	9.1	5.9	9.4	6.1	9.6	6.3	9.8	6.5	10.0	6.6	10.2	6.8	10.3	6.9	10.5	7.0	10.8	7.2	11.1	7.3	11.1	7.3	10.3	6.9	9.8	6.7
NW	8.5	5.9	8.3	5.8	8.3	5.7	8.2	5.7	8.2	5.6	8.1	5.6	8.0	5.5	7.9	5.4	7.9	5.4	7.9	5.3	7.8	5.3	7.9	5.3	8.2	5.5	8.4	5.7	8.6	5.9	8.8	6.0	9.0	6.2	9.1	6.3	9.1	6.4	9.2	6.4	9.4	6.5	9.5	6.6	9.0	6.3	8.6	6.0
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.6	5.5	7.4	5.3	7.4	5.3	7.3	5.2	7.2	5.1	7.1	5.1	7.0	4.9	6.9	4.9	6.9	4.8	6.8	4.7	6.8	4.7	6.9	4.8	7.3	5.0	7.6	5.3	7.8	5.5	8.1	5.7	8.3	5.9	8.5	6.0	8.6	6.1	8.6	6.2	8.5	6.1	8.4	6.1	8.2	5.9	7.8	5.7
NE	8.8	6.1	8.6	5.9	8.6	5.9	8.5	5.8	8.4	5.7	8.3	5.7	8.2	5.5	8.1	5.5	8.1	5.4	8.0	5.3	8.0	5.3	8.1	5.4	8.7	5.8	9.4	6.2	9.7	6.4	9.7	6.5	9.6	6.5	9.7	6.6	9.8	6.7	9.8	6.8	9.7	6.8	9.6	6.7	9.4	6.5	9.0	6.3
E	10.0	6.7	9.9	6.6	9.8	6.5	9.7	6.4	9.6	6.3	9.6	6.3	9.4	6.1	9.4	6.1	9.3	6.0	9.3	6.0	9.2	5.9	9.4	6.0	10.0	6.4	10.9	6.9	11.3	7.2	11.4	7.4	11.3	7.4	11.1	7.3	11.0	7.3	11.0	7.4	11.0	7.4	10.8	7.3	10.6	7.1	10.3	6.9
SE	10.0	6.7	9.8	6.6	9.8	6.5	9.7	6.4	9.6	6.3	9.6	6.3	9.4	6.1	9.4	6.1	9.3	6.0	9.2	6.0	9.2	5.9	9.3	6.0	9.9	6.3	10.6	6.8	11.1	7.1	11.4	7.3	11.5	7.5	11.4	7.5	11.3	7.5	11.0	7.4	11.0	7.4	10.8	7.3	10.6	7.1	10.3	6.9
S	9.6	6.5	9.4	6.3	9.3	6.3	9.3	6.2	9.2	6.1	9.1	6.0	9.0	5.9	8.9	5.8	8.8	5.8	8.8	5.7	8.7	5.7	8.8	5.7	9.2	6.0	9.5	6.3	10.0	6.6	10.4	6.9	10.8	7.1	11.0	7.3	11.1	7.4	11.1	7.4	10.9	7.3	10.5	7.1	10.2	6.9	9.8	6.7
SW	9.9	6.6	9.7	6.5	9.7	6.4	9.6	6.4	9.5	6.3	9.4	6.2	9.3	6.1	9.2	6.0	9.2	5.9	9.1	5.9	9.1	5.9	9.2	5.9	9.5	6.2	9.9	6.4	10.1	6.7	10.4	6.9	10.6	7.0	11.0	7.3	11.4	7.5	11.7	7.7	11.8	7.8	11.6	7.7	10.7	7.2	10.1	6.9
W	9.6	6.5	9.4	6.3	9.4	6.3	9.3	6.2	9.2	6.1	9.1	6.0	9.0	5.9	8.9	5.9	8.9	5.8	8.8	5.7	8.8	5.7	8.9	5.8	9.2	6.0	9.6	6.3	9.8	6.5	10.1	6.7	10.3	6.9	10.5	7.0	10.8	7.2	11.2	7.5	11.5	7.6	11.5	7.6	10.5	7.1	9.8	6.7
NW	8.4	5.9	8.2	5.7	8.2	5.7	8.1	5.6	8.0	5.5	7.9	5.5	7.8	5.3	7.7	5.3	7.7	5.2	7.6	5.2	7.6	5.1	7.7	5.2	8.0	5.4	8.4	5.7	8.7	5.9	8.9	6.1	9.1	6.3	9.3	6.4	9.4	6.5	9.5	6.6	9.8	6.8	9.9	6.8	9.2	6.4	8.7	6.1
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	7.6	5.5	7.4	5.3	7.3	5.3	7.2	5.2	7.1	5.1	7.0	5.0	6.9	4.8	6.8	4.7	6.7	4.7	6.7	4.6	6.6	4.6	6.7	4.6	7.2	5.0	7.6	5.3	7.9	5.5	8.2	5.8	8.4	6.0	8.6	6.1	8.7	6.3	8.8	6.3	8.7	6.3	8.6	6.2	8.3	6.0	7.9	5.8
NE	8.8	6.1	8.6	5.9	8.5	5.8	8.4	5.8	8.3	5.7	8.2	5.6	8.1	5.4	8.0	5.3	7.9	5.3	7.9	5.2	7.8	5.2	8.0	5.3	8.7	5.7	9.5	6.2	9.8	6.5	9.8	6.6	9.7	6.6	9.8	6.7	9.9	6.9	10.0	6.9	9.9	6.9	9.7	6.8	9.5	6.6	9.1	6.4
E	10.0	6.7	9.8	6.5	9.7	6.5	9.6	6.4	9.5	6.3	9.4	6.2	9.3	6.0	9.2	5.9	9.1	5.9	9.1	5.8	9.0	5.8	9.2	5.9	10.0	6.4	11.0	7.0	11.5	7.3	11.6	7.5	11.5	7.5	11.3	7.5	11.2	7.5	11.2	7.5	11.1	7.5	11.0	7.4	10.7	7.2	10.3	7.0
SE	10.0	6.7	9.8	6.5	9.7	6.4	9.6	6.4	9.5	6.3	9.4	6.2	9.3	6.0	9.2	5.9	9.1	5.9	9.1	5.8	9.0	5.8	9.1	5.8	9.8	6.3	10.7	6.8	11.3	7.2	11.6	7.5	11.7	7.6	11.6	7.6	11.5	7.6	11.2	7.5	11.1	7.5	11.0	7.4	10.7	7.2	10.3	7.0
S	9.5	6.5	9.3	6.3	9.2	6.2	9.2	6.1	9.1	6.0	9.0	5.9	8.8	5.8	8.7	5.7	8.7	5.6	8.6	5.6	8.6	5.5	8.7	5.6	9.1	5.9	9.5	6.2	10.0	6.6	10.5	6.9	11.0	7.2	11.2	7.4	11.4	7.6	11.3	7.6	11.1	7.5	10.7	7.3	10.3	7.0	9.8	6.7
SW	9.9	6.6	9.6	6.5	9.6	6.4	9.5	6.3	9.4	6.2	9.3	6.1	9.1	5.9	9.1	5.9	9.0	5.8	8.9	5.7	8.9	5.7	9.0	5.8	9.4	6.1	9.8	6.4	10.2	6.7	10.5	6.9	10.7	7.1	11.2	7.4	11.7	7.7	12.0	7.9	12.1	8.0	11.9	7.9	10.8	7.3	10.1	6.9
W	9.6	6.5	9.4	6.3	9.3	6.2	9.2	6.2	9.1	6.1	9.0	6.0	8.8	5.8	8.8	5.7	8.7	5.7	8.6	5.6	8.6	5.6	8.7	5.6	9.1	5.9	9.5	6.2	9.9	6.5	10.2	6.8	10.4	7.0	10.6	7.1	11.0	7.4	11.5	7.7	11.9	7.9	11.9	7.9	10.6	7.2	9.9	6.8
NW	8.4	5.9	8.2	5.7	8.1	5.7	8.0	5.6	7.9	5.5	7.8	5.4	7.7	5.2	7.6	5.1	7.5	5.1	7.5	5.0	7.4	5.0	7.5	5.0	7.9	5.3	8.4	5.7	8.7	5.9	9.0	6.2	9.3	6.4	9.4	6.5	9.6	6.7	9.6	6.7	10.0	6.9	10.2	7.0	9.4	6.6	8.7	6.2
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.2	5.8	12.2	5.7	12.2	5.7	12.1	5.6	12.0	5.6	11.9	5.5	11.9	5.5	11.9	5.4	11.8	5.4	11.8	5.4	11.9	5.4	12.3	5.7	12.8	6.0	13.3	6.3	13.6	6.5	13.9	6.7	14.1	6.8	14.2	6.9	14.1	6.9	14.0	6.8	13.7	6.7	13.0	6.3	12.6	6.1	12.4	5.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ERZİNCAN (39.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	6.6	4.9	6.4	4.7	6.1	4.4	5.8	4.0	5.2	3.5	5.0	3.3	4.8	3.1	4.6	2.9	4.5	2.8	4.8	3.0	6.3	4.0	7.5	4.9	8.5	5.8	9.4	6.5	10.2	7.2	10.8	7.7	11.2	8.1	11.2	8.2	11.0	8.2	10.6	7.9	9.9	7.4	8.4	6.5	7.5	5.7	6.9	5.1
NE	7.6	5.4	7.4	5.2	7.1	4.9	6.7	4.5	6.2	4.0	6.0	3.8	5.8	3.6	5.6	3.4	5.5	3.3	6.0	3.5	8.2	5.0	10.7	6.6	11.7	7.4	11.8	7.7	11.4	7.8	11.8	8.2	12.2	8.6	12.2	8.7	12.0	8.7	11.5	8.4	10.8	7.9	9.4	7.0	8.5	6.2	7.9	5.6
E	8.6	5.9	8.4	5.7	8.1	5.4	7.7	5.0	7.2	4.5	7.0	4.3	6.8	4.1	6.6	3.9	6.5	3.8	7.0	4.0	9.5	5.6	12.6	7.5	14.3	8.7	14.6	9.1	14.3	9.3	13.5	9.1	13.2	9.1	13.2	9.2	13.0	9.2	12.5	8.9	11.8	8.4	10.4	7.5	9.5	6.7	8.9	6.1
SE	8.6	5.9	8.3	5.6	8.0	5.4	7.7	5.0	7.2	4.5	7.0	4.3	6.8	4.1	6.6	3.9	6.4	3.7	6.8	4.0	8.9	5.3	11.6	7.0	13.6	8.3	14.6	9.1	14.9	9.6	14.7	9.7	14.1	9.6	13.2	9.2	13.0	9.2	12.5	8.9	11.8	8.4	10.4	7.5	9.5	6.7	8.8	6.1
S	8.2	5.7	8.0	5.5	7.7	5.2	7.4	4.9	6.8	4.3	6.6	4.1	6.4	3.9	6.2	3.7	6.1	3.6	6.4	3.7	7.7	4.7	9.0	5.7	10.7	6.9	12.3	8.0	13.6	8.9	14.5	9.5	14.9	10.0	14.8	10.0	14.1	9.7	12.8	9.0	11.5	8.2	10.0	7.3	9.1	6.5	8.5	6.0
SW	8.5	5.8	8.2	5.6	8.0	5.3	7.6	5.0	7.1	4.5	6.9	4.2	6.7	4.0	6.5	3.8	6.3	3.7	6.6	3.9	8.0	4.8	9.3	5.8	10.4	6.7	11.3	7.5	12.1	8.1	13.6	9.1	15.1	10.1	16.1	10.7	16.6	11.0	15.9	10.6	12.5	8.7	10.3	7.5	9.4	6.7	8.7	6.1
W	8.3	5.7	8.0	5.5	7.7	5.2	7.4	4.9	6.9	4.4	6.7	4.1	6.4	3.9	6.2	3.7	6.1	3.6	6.4	3.8	7.7	4.7	9.0	5.7	10.1	6.6	11.0	7.3	11.9	8.0	12.4	8.5	13.6	9.3	15.1	10.2	16.4	10.9	16.4	10.8	12.5	8.7	10.1	7.4	9.3	6.6	8.5	6.0
NW	7.3	5.2	7.0	5.0	6.7	4.7	6.4	4.4	5.9	3.9	5.7	3.6	5.4	3.4	5.3	3.2	5.1	3.1	5.4	3.3	6.8	4.2	8.1	5.2	9.1	6.1	10.1	6.9	10.9	7.5	11.4	8.0	11.8	8.4	12.1	8.7	13.3	9.3	13.7	9.5	11.3	8.1	9.1	6.9	8.3	6.1	7.5	5.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.7	5.5	7.6	5.4	7.6	5.4	7.5	5.4	7.5	5.3	7.5	5.3	7.4	5.3	7.4	5.2	7.4	5.2	7.4	5.2	7.3	5.2	7.3	5.2	7.4	5.2	7.5	5.3	7.6	5.4	7.7	5.4	7.8	5.5	7.9	5.6	7.9	5.6	8.0	5.7	8.0	5.7	7.9	5.7	7.9	5.6	7.8	5.6
NE	9.0	6.1	8.9	6.1	8.8	6.0	8.8	6.0	8.8	6.0	8.7	5.9	8.7	5.9	8.7	5.9	8.6	5.8	8.6	5.8	8.6	5.8	8.6	5.8	8.6	5.8	8.8	6.0	9.1	6.1	9.2	6.2	9.2	6.2	9.2	6.2	9.2	6.3	9.2	6.3	9.2	6.3	9.2	6.3	9.2	6.3	9.1	6.2
E	10.2	6.8	10.1	6.7	10.1	6.7	10.1	6.6	10.0	6.6	10.0	6.6	10.0	6.5	9.9	6.5	9.9	6.5	9.9	6.5	9.9	6.4	9.9	6.4	9.9	6.5	10.1	6.6	10.4	6.8	10.6	6.9	10.6	6.9	10.6	6.9	10.5	6.9	10.5	6.9	10.5	6.9	10.5	6.9	10.4	6.9	10.4	6.9
SE	10.2	6.8	10.1	6.7	10.1	6.7	10.1	6.6	10.0	6.6	10.0	6.6	10.0	6.5	9.9	6.5	9.9	6.5	9.9	6.5	9.9	6.4	9.9	6.4	9.9	6.4	10.1	6.6	10.4	6.7	10.5	6.9	10.6	6.9	10.7	7.0	10.6	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.4	6.9	10.4	6.9
S	9.7	6.5	9.7	6.5	9.6	6.4	9.6	6.4	9.5	6.4	9.5	6.3	9.5	6.3	9.4	6.3	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.5	6.3	9.6	6.4	9.8	6.5	10.0	6.6	10.1	6.7	10.2	6.8	10.2	6.8	10.2	6.8	10.1	6.8	10.0	6.7	9.9	6.6
SW	10.1	6.7	10.0	6.6	9.9	6.6	9.9	6.6	9.9	6.5	9.9	6.5	9.8	6.5	9.8	6.4	9.8	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.9	6.5	10.0	6.6	10.1	6.6	10.2	6.7	10.3	6.8	10.4	6.9	10.6	7.0	10.6	7.0	10.7	7.0	10.6	7.0	10.3	6.8
W	9.8	6.6	9.7	6.5	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.5	6.3	9.5	6.3	9.5	6.3	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.6	6.3	9.7	6.4	9.8	6.5	9.9	6.6	10.0	6.6	10.0	6.7	10.1	6.7	10.3	6.8	10.4	6.9	10.4	6.9	10.0	6.7
NW	8.6	5.9	8.5	5.9	8.4	5.8	8.4	5.8	8.4	5.8	8.3	5.7	8.3	5.7	8.2	5.7	8.2	5.6	8.2	5.6	8.2	5.6	8.2	5.6	8.2	5.6	8.3	5.7	8.5	5.8	8.6	5.9	8.6	5.9	8.7	6.0	8.8	6.1	8.8	6.1	8.8	6.1	9.0	6.2	9.0	6.2	8.8	6.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	7.6	5.5	7.4	5.3	7.3	5.3	7.3	5.2	7.2	5.1	7.1	5.0	6.9	4.9	6.9	4.8	6.8	4.7	6.7	4.7	6.7	4.6	6.8	4.7	7.2	5.0	7.6	5.3	7.9	5.5	8.2	5.7	8.4	5.9	8.6	6.1	8.7	6.2	8.7	6.2	8.6	6.2	8.5	6.1	8.3	6.0	7.9	5.7
NE	8.8	6.1	8.6	5.9	8.5	5.9	8.5	5.8	8.4	5.7	8.3	5.6	8.1	5.5	8.1	5.4	8.0	5.3	7.9	5.3	7.9	5.2	8.0	5.3	8.7	5.7	9.4	6.2	9.8	6.5	9.8	6.5	9.7	6.6	9.8	6.7	9.9	6.8	9.9	6.8	9.8	6.8	9.7	6.7	9.5	6.6	9.1	6.3
E	10.0	6.7	9.8	6.5	9.7	6.5	9.7	6.4	9.6	6.3	9.5	6.2	9.3	6.1	9.3	6.0	9.2	5.9	9.1	5.9	9.1	5.8	9.3	5.9	10.0	6.4	10.9	6.9	11.4	7.3	11.5	7.4	11.4	7.5	11.2	7.4	11.1	7.4	11.1	7.5	11.0	7.4	10.9	7.3	10.7	7.2	10.3	6.9
SE	10.0	6.7	9.8	6.5	9.7	6.5	9.7	6.4	9.6	6.3	9.5	6.2	9.3	6.1	9.3	6.0	9.2	5.9	9.1	5.9	9.1	5.8	9.2	5.9	9.8	6.3	10.6	6.8	11.2	7.2	11.5	7.4	11.6	7.6	11.6	7.6	11.4	7.6	11.1	7.5	11.0	7.4	10.9	7.3	10.7	7.2	10.3	6.9
S	9.5	6.5	9.3	6.3	9.3	6.2	9.2	6.2	9.1	6.1	9.0	6.0	8.9	5.8	8.8	5.8	8.7	5.7	8.7	5.6	8.6	5.6	8.7	5.7	9.1	5.9	9.5	6.2	10.0	6.6	10.5	6.9	10.9	7.2	11.1	7.4	11.3	7.5	11.2	7.5	11.0	7.4	10.6	7.2	10.2	7.0	9.8	6.7
SW	9.9	6.6	9.7	6.5	9.6	6.4	9.5	6.3	9.4	6.2	9.3	6.1	9.2	6.0	9.1	5.9	9.1	5.9	9.0	5.8	9.0	5.8	9.1	5.8	9.4	6.1	9.8	6.4	10.2	6.7	10.4	6.9	10.7	7.1	11.1	7.4	11.6	7.6	11.8	7.8	12.0	7.9	11.8	7.8	10.8	7.2	10.1	6.9
W	9.6	6.5	9.4	6.3	9.3	6.3	9.2	6.2	9.1	6.1	9.1	6.0	8.9	5.8	8.8	5.8	8.8	5.7	8.7	5.7	8.7	5.6	8.8	5.7	9.2	6.0	9.5	6.3	9.9	6.5	10.1	6.7	10.4	6.9	10.5	7.1	10.9	7.3	11.3	7.6	11.7	7.8	11.7	7.8	10.6	7.1	9.9	6.7
NW	8.4	5.9	8.2	5.7	8.1	5.7	8.1	5.6	8.0	5.5	7.9	5.4	7.7	5.3	7.7	5.2	7.6	5.1	7.5	5.1	7.5	5.0	7.6	5.1	8.0	5.4	8.4	5.7	8.7	5.9	9.0	6.1	9.2	6.3	9.4	6.5	9.5	6.6	9.6	6.7	9.9	6.9	10.1	6.9	9.3	6.5	8.7	6.2
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.7	5.5	7.6	5.4	7.6	5.4	7.5	5.4	7.5	5.4	7.5	5.3	7.5	5.3	7.4	5.3	7.4	5.2	7.4	5.2	7.4	5.2	7.4	5.2	7.4	5.2	7.5	5.3	7.6	5.4	7.7	5.4	7.8	5.5	7.8	5.6	7.9	5.6	7.9	5.6	7.9	5.6	7.9	5.6	7.9	5.6	7.8	5.6
NE	9.0	6.1	8.9	6.1	8.8	6.0	8.8	6.0	8.8	6.0	8.8	6.0	8.7	5.9	8.7	5.9	8.7	5.9	8.7	5.9	8.7	5.8	8.6	5.8	8.7	5.9	8.9	6.0	9.1	6.1	9.1	6.2	9.1	6.2	9.1	6.2	9.1	6.2	9.2	6.3	9.2	6.3	9.2	6.3	9.1	6.2	9.1	6.2
E	10.2	6.8	10.2	6.7	10.1	6.7	10.1	6.6	10.1	6.6	10.0	6.6	10.0	6.6	10.0	6.5	10.0	6.5	9.9	6.5	9.9	6.5	9.9	6.5	10.0	6.5	10.2	6.6	10.4	6.8	10.5	6.9	10.6	6.9	10.5	6.9	10.5	6.9	10.4	6.9	10.5	6.9	10.4	6.9	10.4	6.9	10.3	6.8
SE	10.2	6.8	10.2	6.7	10.1	6.7	10.1	6.6	10.1	6.6	10.0	6.6	10.0	6.6	10.0	6.5	10.0	6.5	9.9	6.5	9.9	6.5	9.9	6.5	9.9	6.5	10.1	6.6	10.3	6.7	10.5	6.8	10.6	6.9	10.6	6.9	10.6	6.9	10.5	6.9	10.5	6.9	10.4	6.9	10.4	6.9	10.3	6.8
S	9.7	6.5	9.7	6.5	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.5	6.3	9.5	6.3	9.5	6.3	9.5	6.3	9.4	6.2	9.4	6.2	9.5	6.2	9.6	6.3	9.7	6.4	9.8	6.5	9.9	6.6	10.0	6.6	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.0	6.7	9.9	6.6
SW	10.1	6.7	10.0	6.6	10.0	6.6	9.9	6.6	9.9	6.6	9.9	6.5	9.9	6.5	9.8	6.5	9.8	6.4	9.8	6.4	9.8	6.4	9.8	6.4	9.8	6.4	9.9	6.5	10.0	6.6	10.1	6.6	10.2	6.7	10.2	6.8	10.3	6.8	10.5	6.9	10.5	6.9	10.6	7.0	10.5	6.9	10.3	6.8
W	9.8	6.5	9.7	6.5	9.7	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.5	6.3	9.5	6.3	9.5	6.3	9.5	6.3	9.5	6.2	9.5	6.3	9.6	6.3	9.7	6.4	9.8	6.5	9.9	6.5	9.9	6.6	10.0	6.6	10.1	6.7	10.2	6.8	10.3	6.8	10.3	6.8	10.0	6.7
NW	8.5	5.9	8.5	5.9	8.4	5.8	8.4	5.8	8.4	5.8	8.4	5.8	8.3	5.7	8.3	5.7	8.3	5.7	8.3	5.7	8.2	5.6	8.2	5.6	8.3	5.6	8.4	5.7	8.5	5.8	8.5	5.9	8.6	5.9	8.7	6.0	8.7	6.0	8.8	6.0	8.8	6.1	8.9	6.1	8.9	6.1	8.7	6.0
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.2	1.7	4.5	1.0	3.4	-0.1	3.0	-0.5	2.5	-1.0	2.1	-1.4	1.8	-1.7	2.8	-1.1	7.3	1.8	13.2	5.4	18.7	8.9	23.1	11.6	26.3	13.8	28.4	15.3	29.5	16.3	29.0	16.3	27.5	15.6	23.6	13.5	16.2	9.5	10.5	6.4	8.4	4.6	6.8	3.3	6.3	2.8	5.8	2.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ERZURUM (39.55)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	2.3	0.0	2.1	-0.1	1.8	-0.5	1.4	-0.8	1.2	-1.1	1.1	-1.1	1.0	-1.2	0.9	-1.3	0.7	-1.5	0.6	-1.6	1.0	-1.4	2.1	-0.6	3.1	0.3	3.9	1.0	4.4	1.4	4.8	1.7	5.1	2.0	5.4	2.2	5.4	2.3	5.2	2.2	4.9	2.0	4.6	1.8	4.2	1.5	3.5	0.8
NE	2.9	0.3	2.8	0.2	2.4	-0.2	2.1	-0.5	1.8	-0.7	1.7	-0.8	1.6	-0.9	1.6	-1.0	1.4	-1.2	1.2	-1.3	1.7	-1.0	3.3	0.0	4.5	1.0	5.5	1.8	5.7	2.1	5.6	2.1	5.7	2.3	6.0	2.5	6.0	2.6	5.9	2.5	5.6	2.3	5.1	2.1	4.5	1.7	3.5	0.8
E	3.8	0.8	3.6	0.6	3.3	0.3	2.9	-0.1	2.7	-0.3	2.6	-0.4	2.5	-0.5	2.4	-0.6	2.2	-0.8	2.1	-0.9	2.6	-0.6	4.3	0.5	5.6	1.6	7.0	2.5	7.5	2.9	7.4	3.0	7.0	2.9	6.9	3.0	6.9	3.0	6.7	2.9	6.4	2.8	6.0	2.5	5.4	2.1	4.4	1.3
SE	3.8	0.8	3.6	0.6	3.3	0.3	2.9	-0.1	2.7	-0.3	2.6	-0.4	2.5	-0.5	2.4	-0.6	2.2	-0.8	2.1	-0.9	2.5	-0.6	3.9	0.3	5.2	1.4	6.7	2.4	7.5	2.9	7.8	3.2	7.6	3.2	7.2	3.1	6.9	3.0	6.7	2.9	6.4	2.8	6.0	2.5	5.4	2.1	4.4	1.3
S	3.2	0.5	3.0	0.3	2.7	0.0	2.3	-0.4	2.1	-0.6	2.0	-0.7	1.9	-0.8	1.8	-0.9	1.6	-1.1	1.5	-1.2	1.8	-1.0	2.8	-0.2	3.9	0.7	5.0	1.5	5.8	2.1	6.6	2.6	7.0	2.9	7.0	3.0	6.9	3.0	6.5	2.8	6.0	2.6	5.4	2.2	4.8	1.8	3.8	1.0
SW	3.8	0.8	3.7	0.6	3.3	0.3	3.0	0.0	2.7	-0.3	2.6	-0.4	2.5	-0.5	2.5	-0.5	2.3	-0.7	2.1	-0.9	2.5	-0.6	3.4	0.1	4.5	1.0	5.4	1.7	5.9	2.1	6.3	2.4	7.1	2.9	7.6	3.3	7.9	3.5	7.8	3.5	7.8	3.4	7.2	3.1	6.3	2.5	5.1	1.6
W	4.2	1.0	4.0	0.8	3.6	0.5	3.3	0.1	3.1	-0.1	3.0	-0.2	2.9	-0.3	2.8	-0.4	2.6	-0.6	2.5	-0.7	2.8	-0.5	3.8	0.3	4.9	1.2	5.7	1.9	6.2	2.3	6.6	2.6	7.0	2.9	7.5	3.3	8.1	3.6	8.2	3.7	8.4	3.8	8.1	3.6	7.3	3.0	6.3	2.2
NW	3.4	0.6	3.3	0.4	2.9	0.1	2.6	-0.2	2.3	-0.5	2.2	-0.6	2.1	-0.7	2.1	-0.7	1.9	-0.9	1.7	-1.1	2.1	-0.8	3.0	-0.1	4.1	0.8	5.0	1.5	5.5	1.9	5.9	2.3	6.2	2.5	6.5	2.8	6.7	2.9	6.9	3.0	7.1	3.1	6.9	3.0	6.3	2.5	5.5	1.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	3.1	0.5	2.7	0.2	2.7	0.2	2.6	0.1	2.5	0.0	2.4	-0.1	2.4	-0.1	2.3	-0.2	2.3	-0.2	2.2	-0.3	2.2	-0.3	2.3	-0.2	2.7	0.0	3.0	0.3	3.2	0.5	3.4	0.7	3.5	0.8	3.6	0.9	3.7	0.9	3.7	1.0	3.7	0.9	3.6	0.9	3.5	0.8	3.4	0.7
NE	3.6	0.7	3.4	0.6	3.4	0.5	3.3	0.4	3.2	0.3	3.1	0.2	3.1	0.2	3.0	0.2	3.0	0.1	2.9	0.1	2.9	0.0	3.0	0.1	3.5	0.5	3.9	0.8	4.3	1.0	4.3	1.1	4.3	1.1	4.3	1.2	4.4	1.3	4.4	1.3	4.4	1.3	4.3	1.2	4.1	1.1	3.9	1.0
E	4.6	1.2	4.4	1.1	4.3	1.0	4.2	0.9	4.1	0.8	4.0	0.7	4.0	0.7	4.0	0.7	4.0	0.6	3.9	0.6	3.8	0.5	4.0	0.6	4.5	1.0	5.0	1.3	5.4	1.6	5.6	1.8	5.6	1.8	5.4	1.7	5.4	1.8	5.4	1.8	5.3	1.8	5.2	1.7	5.1	1.6	4.9	1.5
SE	4.6	1.2	4.4	1.1	4.3	1.0	4.2	0.9	4.1	0.8	4.0	0.7	4.0	0.7	4.0	0.7	4.0	0.6	3.9	0.6	3.8	0.5	4.0	0.6	4.4	0.9	4.9	1.3	5.3	1.6	5.6	1.7	5.7	1.8	5.6	1.8	5.5	1.8	5.4	1.8	5.3	1.8	5.2	1.7	5.1	1.6	4.9	1.5
S	3.9	0.9	3.7	0.7	3.7	0.7	3.5	0.6	3.4	0.5	3.4	0.4	3.3	0.3	3.3	0.3	3.3	0.3	3.2	0.2	3.2	0.2	3.3	0.3	3.6	0.5	3.9	0.8	4.3	1.1	4.6	1.2	4.8	1.4	4.9	1.5	4.9	1.5	4.9	1.5	4.8	1.5	4.6	1.4	4.4	1.3	4.2	1.1
SW	4.8	1.3	4.4	1.1	4.4	1.0	4.3	0.9	4.2	0.8	4.1	0.7	4.0	0.7	4.0	0.7	4.0	0.6	3.9	0.6	3.9	0.5	4.0	0.6	4.3	0.8	4.7	1.1	4.9	1.4	5.1	1.5	5.2	1.6	5.5	1.8	5.6	1.9	5.7	2.0	5.7	1.9	5.7	1.9	5.5	1.8	5.2	1.6
W	5.5	1.7	4.8	1.3	4.8	1.2	4.7	1.1	4.5	1.0	4.5	0.9	4.4	0.9	4.4	0.9	4.4	0.8	4.3	0.8	4.3	0.7	4.4	0.8	4.7	1.0	5.0	1.3	5.3	1.6	5.5	1.7	5.6	1.8	5.7	1.9	5.9	2.0	6.1	2.1	6.1	2.2	6.2	2.2	6.1	2.1	5.8	1.9
NW	4.7	1.3	4.0	0.9	3.9	0.8	3.8	0.7	3.7	0.6	3.6	0.5	3.6	0.5	3.6	0.5	3.6	0.4	3.5	0.4	3.5	0.3	3.6	0.4	3.9	0.6	4.2	0.9	4.5	1.2	4.7	1.3	4.8	1.4	4.9	1.5	5.0	1.6	5.0	1.6	5.1	1.6	5.2	1.7	5.1	1.6	4.9	1.5
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	3.2	0.5	2.7	0.2	2.6	0.1	2.4	0.0	2.3	-0.2	2.2	-0.3	2.1	-0.3	2.1	-0.4	2.1	-0.4	2.0	-0.5	1.9	-0.5	2.1	-0.4	2.6	-0.1	3.0	0.3	3.3	0.6	3.6	0.8	3.7	0.9	3.9	1.0	4.0	1.2	4.0	1.2	3.9	1.1	3.8	1.1	3.7	1.0	3.5	0.8
NE	3.6	0.8	3.3	0.5	3.3	0.5	3.1	0.3	3.0	0.2	2.9	0.1	2.8	0.0	2.8	0.0	2.8	0.0	2.7	-0.1	2.6	-0.2	2.8	-0.1	3.5	0.4	4.0	0.8	4.5	1.2	4.6	1.3	4.5	1.3	4.6	1.4	4.7	1.5	4.7	1.5	4.6	1.5	4.5	1.4	4.3	1.3	4.0	1.1
E	4.6	1.2	4.3	1.0	4.2	0.9	4.1	0.8	3.9	0.6	3.8	0.5	3.8	0.5	3.7	0.5	3.7	0.4	3.6	0.3	3.6	0.3	3.8	0.4	4.5	0.9	5.1	1.4	5.7	1.8	5.9	2.0	5.9	2.0	5.7	1.9	5.6	2.0	5.6	2.0	5.6	2.0	5.4	1.9	5.2	1.8	5.0	1.6
SE	4.6	1.2	4.3	1.0	4.2	0.9	4.1	0.8	3.9	0.6	3.8	0.5	3.8	0.5	3.7	0.5	3.7	0.4	3.6	0.3	3.6	0.3	3.7	0.4	4.3	0.8	4.9	1.3	5.5	1.7	5.9	1.9	6.0	2.1	5.9	2.1	5.8	2.0	5.6	2.0	5.6	2.0	5.4	1.9	5.3	1.8	5.0	1.6
S	3.9	0.9	3.6	0.7	3.6	0.6	3.4	0.5	3.3	0.3	3.1	0.2	3.1	0.2	3.1	0.1	3.0	0.1	3.0	0.0	2.9	-0.1	3.0	0.1	3.4	0.4	3.9	0.8	4.4	1.1	4.8	1.4	5.1	1.6	5.3	1.7	5.3	1.8	5.3	1.8	5.1	1.7	4.9	1.6	4.6	1.4	4.3	1.2
SW	4.9	1.4	4.3	1.0	4.3	1.0	4.1	0.8	4.0	0.7	3.8	0.6	3.8	0.5	3.8	0.5	3.7	0.4	3.6	0.4	3.6	0.3	3.7	0.4	4.1	0.7	4.6	1.1	5.0	1.4	5.2	1.6	5.4	1.7	5.7	2.0	6.0	2.1	6.1	2.2	6.1	2.2	6.0	2.2	5.8	2.0	5.4	1.8
W	5.6	1.8	4.7	1.2	4.6	1.2	4.5	1.0	4.3	0.9	4.2	0.7	4.2	0.7	4.1	0.7	4.1	0.6	4.0	0.6	4.0	0.5	4.1	0.6	4.5	0.9	5.0	1.3	5.4	1.6	5.6	1.8	5.8	1.9	5.9	2.1	6.2	2.2	6.4	2.4	6.5	2.4	6.6	2.4	6.4	2.4	6.1	2.1
NW	4.8	1.3	3.9	0.8	3.8	0.8	3.7	0.6	3.5	0.5	3.4	0.3	3.4	0.3	3.3	0.3	3.3	0.2	3.2	0.1	3.2	0.1	3.3	0.2	3.7	0.5	4.2	0.9	4.6	1.2	4.8	1.4	5.0	1.5	5.1	1.7	5.3	1.8	5.3	1.8	5.4	1.9	5.5	1.9	5.4	1.9	5.2	1.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	3.2	0.6	2.6	0.2	2.5	0.1	2.3	-0.1	2.2	-0.3	2.0	-0.4	2.0	-0.4	1.9	-0.5	1.9	-0.5	1.8	-0.6	1.7	-0.7	1.9	-0.6	2.5	-0.1	3.0	0.3	3.4	0.7	3.7	0.9	3.9	1.0	4.1	1.2	4.2	1.3	4.2	1.4	4.1	1.3	4.0	1.2	3.8	1.1	3.6	0.9
NE	3.6	0.8	3.3	0.5	3.2	0.4	3.0	0.2	2.8	0.1	2.7	-0.1	2.7	-0.1	2.6	-0.2	2.6	-0.2	2.5	-0.3	2.4	-0.4	2.6	-0.2	3.5	0.3	4.1	0.8	4.6	1.3	4.8	1.4	4.7	1.4	4.7	1.5	4.9	1.7	4.9	1.7	4.8	1.6	4.7	1.6	4.4	1.4	4.1	1.2
E	4.5	1.2	4.2	1.0	4.1	0.9	3.9	0.7	3.8	0.5	3.6	0.4	3.6	0.4	3.5	0.3	3.5	0.3	3.4	0.2	3.3	0.1	3.6	0.3	4.5	0.8	5.2	1.4	5.9	1.9	6.2	2.1	6.1	2.2	5.9	2.1	5.8	2.1	5.8	2.2	5.7	2.1	5.6	2.0	5.4	1.9	5.1	1.7
SE	4.5	1.2	4.2	1.0	4.1	0.9	3.9	0.7	3.8	0.5	3.6	0.4	3.6	0.4	3.5	0.3	3.5	0.3	3.4	0.2	3.3	0.1	3.5	0.2	4.3	0.7	5.0	1.3	5.7	1.8	6.1	2.1	6.3	2.2	6.2	2.2	6.0	2.2	5.8	2.2	5.7	2.1	5.6	2.0	5.4	1.9	5.1	1.7
S	3.9	0.9	3.6	0.6	3.5	0.6	3.3	0.4	3.1	0.2	3.0	0.1	2.9	0.0	2.9	0.0	2.9	-0.1	2.7	-0.2	2.7	-0.2	2.8	-0.1	3.3	0.3	3.9	0.8	4.5	1.2	4.9	1.5	5.3	1.8	5.5	1.9	5.5	2.0	5.5	2.0	5.3	1.9	5.0	1.7	4.7	1.5	4.4	1.3
SW	4.9	1.4	4.2	1.0	4.2	0.9	4.0	0.7	3.8	0.6	3.7	0.4	3.6	0.4	3.6	0.3	3.5	0.3	3.4	0.2	3.4	0.1	3.5	0.2	4.0	0.6	4.6	1.1	5.1	1.5	5.3	1.7	5.5	1.9	5.9	2.1	6.2	2.3	6.4	2.4	6.3	2.4	6.3	2.4	6.0	2.2	5.5	1.9
W	5.7	1.8	4.6	1.2	4.5	1.1	4.4	0.9	4.2	0.7	4.1	0.6	4.0	0.6	4.0	0.5	3.9	0.5	3.8	0.4	3.7	0.3	3.9	0.4	4.4	0.8	5.0	1.3	5.4	1.7	5.7	1.9	5.9	2.0	6.1	2.2	6.4	2.4	6.7	2.6	6.7	2.6	6.9	2.7	6.7	2.5	6.2	2.3
NW	4.9	1.4	3.8	0.8	3.7	0.7	3.6	0.5	3.4	0.3	3.3	0.2	3.2	0.2	3.2	0.1	3.1	0.1	3.0	0.0	2.9	-0.1	3.1	0.0	3.6	0.4	4.2	0.9	4.6	1.3	4.9	1.5	5.1	1.6	5.3	1.8	5.4	1.9	5.5	2.0	5.6	2.0	5.7	2.1	5.7	2.0	5.3	1.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	6.2	0.0	6.2	0.0	6.1	-0.1	6.0	-0.2	5.9	-0.3	5.9	-0.3	5.8	-0.3	5.8	-0.4	5.8	-0.4	5.7	-0.5	5.9	-0.4	6.3	-0.1	6.8	0.3	7.3	0.6	7.7	0.8	8.0	1.0	8.1	1.1	8.0	1.1	8.0	1.1	7.8	1.0	7.6	0.9	7.3	0.8	6.9	0.5	6.5	0.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ERZURUM (39.55)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	1.6	-0.4	1.0	-1.0	0.5	-1.5	0.1	-2.0	-0.1	-2.1	-0.2	-2.2	-0.3	-2.4	-0.7	-2.7	-0.9	-2.9	-0.3	-2.5	1.5	-1.2	3.1	0.3	4.5	1.4	5.3	2.0	5.9	2.6	6.5	3.0	7.0	3.4	7.0	3.6	6.7	3.4	6.2	3.1	5.6	2.7	5.0	2.2	3.8	1.1	1.9	-0.2
NE	2.2	-0.1	1.6	-0.7	1.0	-1.3	0.6	-1.7	0.5	-1.8	0.3	-2.0	0.2	-2.1	-0.1	-2.4	-0.3	-2.6	0.4	-2.1	3.0	-0.4	5.0	1.2	6.7	2.5	7.1	2.9	6.8	3.0	7.0	3.3	7.5	3.7	7.6	3.8	7.3	3.7	6.8	3.4	6.1	3.0	5.1	2.3	3.4	0.9	2.4	0.1
E	2.9	0.3	2.4	-0.3	1.8	-0.9	1.4	-1.3	1.3	-1.4	1.1	-1.6	1.0	-1.7	0.7	-2.0	0.4	-2.2	1.2	-1.7	4.0	0.1	6.2	1.8	8.5	3.4	9.4	4.1	9.2	4.2	8.4	4.0	8.3	4.1	8.3	4.2	8.0	4.1	7.6	3.8	6.8	3.3	5.9	2.7	4.2	1.3	3.2	0.5
SE	2.9	0.3	2.4	-0.3	1.8	-0.9	1.4	-1.3	1.3	-1.4	1.1	-1.6	1.0	-1.7	0.7	-2.0	0.4	-2.2	1.1	-1.8	3.4	-0.2	5.6	1.5	8.0	3.1	9.2	4.0	9.7	4.5	9.4	4.5	8.8	4.3	8.3	4.2	8.0	4.1	7.6	3.8	6.8	3.3	5.9	2.7	4.2	1.3	3.2	0.5
S	2.4	0.0	1.8	-0.6	1.3	-1.1	0.9	-1.6	0.7	-1.7	0.6	-1.9	0.4	-2.0	0.1	-2.3	-0.1	-2.5	0.4	-2.1	2.0	-0.9	3.8	0.6	5.6	1.9	7.0	2.9	8.3	3.7	8.9	4.2	8.9	4.4	8.8	4.5	8.2	4.1	7.3	3.7	6.3	3.1	5.3	2.4	3.7	1.0	2.7	0.2
SW	3.0	0.3	2.4	-0.3	1.8	-0.9	1.4	-1.3	1.3	-1.4	1.1	-1.6	1.0	-1.7	0.7	-2.0	0.5	-2.2	1.0	-1.8	2.6	-0.6	4.4	0.9	5.8	2.0	6.6	2.7	7.3	3.2	8.6	4.1	9.4	4.7	10.0	5.1	9.8	5.0	9.7	4.9	8.8	4.3	7.3	3.4	5.3	1.9	3.2	0.5
W	3.3	0.4	2.7	-0.2	2.2	-0.7	1.7	-1.1	1.6	-1.2	1.4	-1.4	1.3	-1.5	1.0	-1.8	0.8	-2.1	1.3	-1.7	2.9	-0.5	4.7	1.1	6.1	2.2	7.0	2.9	7.6	3.4	8.2	3.9	9.1	4.5	10.0	5.0	10.2	5.2	10.6	5.3	10.1	5.0	8.7	4.1	7.0	2.7	3.5	0.7
NW	2.6	0.1	2.0	-0.5	1.5	-1.0	1.1	-1.4	1.0	-1.6	0.8	-1.7	0.7	-1.9	0.4	-2.2	0.1	-2.4	0.6	-2.0	2.2	-0.8	4.1	0.7	5.5	1.9	6.3	2.5	6.9	3.1	7.5	3.5	8.0	3.9	8.2	4.2	8.6	4.3	8.9	4.5	8.7	4.3	7.6	3.5	6.3	2.3	2.9	0.3
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	3.1	0.5	3.0	0.4	2.8	0.3	2.8	0.3	2.8	0.2	2.7	0.1	2.7	0.1	2.7	0.1	2.6	0.1	2.6	0.1	2.6	0.0	2.6	0.0	2.6	0.1	2.8	0.2	3.0	0.3	3.1	0.4	3.2	0.5	3.2	0.5	3.3	0.6	3.3	0.6	3.3	0.6	3.3	0.6	3.3	0.6	3.2	0.6
NE	3.8	0.8	3.7	0.7	3.6	0.6	3.5	0.6	3.5	0.6	3.4	0.5	3.4	0.5	3.4	0.5	3.4	0.4	3.3	0.4	3.3	0.4	3.3	0.4	3.4	0.4	3.6	0.6	3.8	0.7	4.0	0.9	4.0	0.9	4.0	0.9	4.0	0.9	4.0	1.0	4.0	1.0	4.0	1.0	4.0	1.0	3.9	0.9
E	4.8	1.3	4.6	1.2	4.5	1.1	4.5	1.1	4.5	1.0	4.4	1.0	4.4	1.0	4.4	0.9	4.3	0.9	4.3	0.9	4.3	0.9	4.3	0.9	4.3	0.9	4.6	1.1	4.8	1.3	5.0	1.4	5.1	1.5	5.1	1.5	5.0	1.5	5.0	1.5	5.0	1.5	5.0	1.5	5.0	1.4	4.9	1.4
SE	4.8	1.3	4.6	1.2	4.5	1.1	4.5	1.1	4.5	1.0	4.4	1.0	4.4	1.0	4.4	0.9	4.3	0.9	4.3	0.9	4.3	0.9	4.3	0.9	4.3	0.9	4.6	1.1	4.8	1.2	5.0	1.4	5.1	1.5	5.2	1.5	5.1	1.5	5.1	1.5	5.0	1.5	5.0	1.5	5.0	1.4	4.9	1.4
S	4.1	1.0	3.9	0.9	3.8	0.8	3.8	0.8	3.8	0.7	3.7	0.7	3.7	0.6	3.7	0.6	3.6	0.6	3.6	0.6	3.6	0.5	3.6	0.5	3.6	0.6	3.8	0.7	4.0	0.8	4.1	0.9	4.3	1.0	4.4	1.1	4.4	1.2	4.4	1.2	4.4	1.2	4.4	1.2	4.3	1.1	4.2	1.1
SW	5.0	1.4	4.8	1.3	4.6	1.1	4.5	1.1	4.5	1.1	4.4	1.0	4.4	1.0	4.4	1.0	4.4	0.9	4.4	0.9	4.3	0.9	4.3	0.9	4.4	0.9	4.5	1.0	4.7	1.2	4.8	1.3	4.9	1.4	5.0	1.4	5.1	1.5	5.2	1.5	5.2	1.6	5.2	1.6	5.2	1.6	5.1	1.5
W	5.5	1.7	5.3	1.5	5.0	1.3	4.9	1.3	4.9	1.3	4.8	1.2	4.8	1.2	4.8	1.2	4.8	1.1	4.8	1.1	4.7	1.1	4.7	1.1	4.8	1.1	4.9	1.2	5.1	1.4	5.2	1.5	5.3	1.6	5.4	1.6	5.4	1.7	5.5	1.7	5.6	1.8	5.6	1.8	5.6	1.8	5.6	1.8
NW	4.6	1.2	4.5	1.1	4.1	0.9	4.1	0.9	4.1	0.8	4.0	0.8	4.0	0.8	3.9	0.7	3.9	0.7	3.9	0.7	3.9	0.7	3.9	0.7	3.9	0.7	4.1	0.8	4.2	1.0	4.4	1.1	4.5	1.1	4.5	1.2	4.6	1.2	4.6	1.3	4.6	1.3	4.7	1.3	4.7	1.3	4.7	1.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	3.2	0.6	2.6	0.2	2.6	0.1	2.4	-0.1	2.2	-0.2	2.1	-0.3	2.1	-0.4	2.0	-0.4	2.0	-0.5	1.9	-0.6	1.8	-0.6	2.0	-0.5	2.5	-0.1	3.0	0.3	3.4	0.6	3.6	0.8	3.8	1.0	4.0	1.1	4.1	1.2	4.1	1.3	4.1	1.2	3.9	1.2	3.7	1.0	3.6	0.9
NE	3.6	0.8	3.3	0.5	3.2	0.5	3.1	0.3	2.9	0.1	2.8	0.0	2.7	0.0	2.7	-0.1	2.7	-0.1	2.6	-0.2	2.5	-0.3	2.7	-0.1	3.5	0.4	4.1	0.8	4.6	1.2	4.7	1.4	4.6	1.4	4.7	1.5	4.8	1.6	4.8	1.6	4.7	1.6	4.6	1.5	4.4	1.4	4.1	1.2
E	4.5	1.2	4.2	1.0	4.2	0.9	4.0	0.7	3.8	0.6	3.7	0.5	3.7	0.4	3.6	0.4	3.6	0.3	3.5	0.2	3.4	0.2	3.6	0.3	4.5	0.9	5.1	1.4	5.8	1.8	6.1	2.0	6.0	2.1	5.8	2.0	5.7	2.1	5.8	2.1	5.7	2.0	5.5	2.0	5.3	1.8	5.0	1.6
SE	4.5	1.2	4.2	1.0	4.2	0.9	4.0	0.7	3.8	0.6	3.7	0.5	3.7	0.4	3.6	0.4	3.6	0.3	3.5	0.2	3.4	0.2	3.6	0.3	4.3	0.8	5.0	1.3	5.6	1.8	6.0	2.0	6.2	2.2	6.1	2.2	5.9	2.1	5.8	2.1	5.7	2.0	5.5	2.0	5.3	1.8	5.0	1.6
S	3.9	0.9	3.6	0.7	3.5	0.6	3.3	0.4	3.2	0.3	3.0	0.1	3.0	0.1	3.0	0.0	2.9	0.0	2.8	-0.1	2.8	-0.2	2.9	0.0	3.4	0.3	3.9	0.8	4.4	1.2	4.9	1.5	5.2	1.7	5.4	1.8	5.4	1.9	5.4	1.9	5.2	1.8	5.0	1.7	4.7	1.5	4.4	1.3
SW	4.9	1.4	4.3	1.0	4.2	0.9	4.0	0.8	3.9	0.6	3.7	0.5	3.7	0.4	3.7	0.4	3.6	0.4	3.5	0.3	3.5	0.2	3.6	0.3	4.1	0.7	4.6	1.1	5.0	1.5	5.3	1.7	5.5	1.8	5.9	2.1	6.1	2.2	6.3	2.3	6.2	2.3	6.2	2.3	5.9	2.1	5.5	1.8
W	5.7	1.8	4.7	1.2	4.6	1.1	4.4	1.0	4.2	0.8	4.1	0.7	4.1	0.6	4.0	0.6	4.0	0.5	3.9	0.5	3.8	0.4	4.0	0.5	4.5	0.9	5.0	1.3	5.4	1.7	5.7	1.8	5.9	2.0	6.0	2.1	6.3	2.3	6.6	2.5	6.6	2.5	6.7	2.6	6.6	2.5	6.2	2.2
NW	4.9	1.4	3.9	0.8	3.8	0.7	3.6	0.6	3.4	0.4	3.3	0.3	3.3	0.2	3.2	0.2	3.2	0.1	3.1	0.1	3.0	0.0	3.2	0.1	3.7	0.5	4.2	0.9	4.6	1.2	4.9	1.4	5.1	1.6	5.2	1.7	5.4	1.9	5.4	1.9	5.5	2.0	5.6	2.0	5.6	2.0	5.3	1.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	3.1	0.5	3.0	0.4	2.9	0.3	2.8	0.3	2.8	0.2	2.8	0.2	2.7	0.1	2.7	0.1	2.7	0.1	2.7	0.1	2.7	0.1	2.6	0.1	2.7	0.1	2.8	0.2	3.0	0.3	3.1	0.4	3.1	0.5	3.2	0.5	3.2	0.5	3.3	0.6	3.3	0.6	3.2	0.6	3.2	0.5	3.2	0.5
NE	3.8	0.8	3.7	0.7	3.6	0.6	3.6	0.6	3.5	0.6	3.5	0.5	3.4	0.5	3.4	0.5	3.4	0.5	3.4	0.5	3.4	0.4	3.4	0.4	3.4	0.5	3.6	0.6	3.8	0.7	3.9	0.8	3.9	0.9	3.9	0.9	3.9	0.9	4.0	0.9	4.0	0.9	4.0	0.9	3.9	0.9	3.9	0.9
E	4.8	1.3	4.6	1.2	4.6	1.1	4.5	1.1	4.5	1.1	4.5	1.0	4.4	1.0	4.4	1.0	4.4	1.0	4.4	1.0	4.4	0.9	4.3	0.9	4.4	1.0	4.6	1.1	4.8	1.2	5.0	1.4	5.0	1.4	5.0	1.4	5.0	1.4	5.0	1.4	5.0	1.4	4.9	1.4	4.9	1.4	4.8	1.4
SE	4.8	1.3	4.6	1.2	4.6	1.1	4.5	1.1	4.5	1.1	4.5	1.0	4.4	1.0	4.4	1.0	4.4	1.0	4.4	1.0	4.4	0.9	4.3	0.9	4.4	1.0	4.6	1.1	4.8	1.2	4.9	1.3	5.0	1.4	5.1	1.4	5.0	1.5	5.0	1.4	5.0	1.4	4.9	1.4	4.9	1.4	4.8	1.4
S	4.1	1.0	3.9	0.9	3.9	0.8	3.8	0.8	3.8	0.7	3.8	0.7	3.7	0.7	3.7	0.6	3.7	0.6	3.7	0.6	3.7	0.6	3.7	0.6	3.7	0.6	3.8	0.7	4.0	0.8	4.1	0.9	4.2	1.0	4.3	1.1	4.4	1.1	4.4	1.1	4.3	1.1	4.3	1.1	4.2	1.1	4.2	1.0
SW	4.9	1.4	4.8	1.3	4.6	1.2	4.6	1.1	4.5	1.1	4.5	1.1	4.5	1.0	4.4	1.0	4.4	1.0	4.4	1.0	4.4	1.0	4.4	0.9	4.4	1.0	4.5	1.1	4.7	1.2	4.8	1.3	4.9	1.3	4.9	1.4	5.0	1.4	5.1	1.5	5.1	1.5	5.1	1.5	5.1	1.5	5.0	1.5
W	5.4	1.6	5.3	1.5	5.0	1.4	5.0	1.3	4.9	1.3	4.9	1.3	4.9	1.2	4.8	1.2	4.8	1.2	4.8	1.2	4.8	1.2	4.8	1.1	4.8	1.2	4.9	1.3	5.1	1.4	5.2	1.5	5.3	1.5	5.3	1.6	5.4	1.6	5.4	1.7	5.5	1.7	5.5	1.7	5.6	1.7	5.5	1.7
NW	4.5	1.2	4.4	1.1	4.2	0.9	4.1	0.9	4.1	0.9	4.0	0.8	4.0	0.8	4.0	0.8	4.0	0.8	4.0	0.8	4.0	0.7	3.9	0.7	4.0	0.8	4.1	0.8	4.2	1.0	4.4	1.1	4.4	1.1	4.5	1.1	4.5	1.2	4.6	1.2	4.6	1.2	4.6	1.2	4.6	1.3	4.6	1.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	-2.1	-5.5	-3.0	-6.3	-3.2	-6.6	-3.6	-6.9	-3.8	-7.2	-4.5	-7.8	-5.0	-8.3	-3.4	-7.3	1.7	-3.9	7.4	0.2	13.4	4.2	18.0	7.0	21.5	9.2	22.7	10.2	21.4	9.9	21.1	9.9	19.0	8.9	17.0	7.8	13.6	5.9	9.2	3.3	4.1	-0.3	0.8	-2.6	0.3	-3.1	-1.0	-4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ESKİŞEHİR (39.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.9	3.7	5.6	3.4	5.4	3.2	5.2	3.0	5.0	2.8	4.4	2.2	4.3	2.1	4.1	1.9	3.9	1.7	3.8	1.6	4.1	1.8	5.2	2.6	6.1	3.4	7.0	4.1	7.7	4.7	8.2	5.1	8.5	5.4	8.8	5.6	8.7	5.6	8.6	5.6	8.3	5.5	7.9	5.1	7.4	4.8	6.6	4.2
NE	6.2	3.8	5.9	3.5	5.7	3.3	5.5	3.1	5.3	3.0	4.7	2.3	4.6	2.2	4.4	2.0	4.2	1.9	4.1	1.8	4.4	2.0	5.6	2.9	6.7	3.7	7.9	4.6	8.4	5.0	8.6	5.3	8.8	5.5	9.1	5.8	9.0	5.8	8.9	5.8	8.6	5.6	8.1	5.3	7.5	4.8	6.7	4.2
E	6.6	4.0	6.3	3.7	6.1	3.5	5.9	3.3	5.7	3.2	5.1	2.5	5.0	2.4	4.8	2.2	4.6	2.1	4.5	2.0	4.8	2.2	6.0	3.1	7.3	4.0	8.6	4.9	9.2	5.4	9.4	5.7	9.4	5.8	9.5	6.0	9.4	6.0	9.3	6.0	9.0	5.8	8.5	5.5	7.9	5.0	7.1	4.4
SE	6.6	4.0	6.3	3.7	6.1	3.5	5.9	3.3	5.7	3.2	5.1	2.5	5.0	2.4	4.8	2.2	4.6	2.1	4.5	2.0	4.8	2.1	5.9	3.0	7.1	3.9	8.4	4.8	9.2	5.4	9.5	5.8	9.6	5.9	9.6	6.1	9.4	6.0	9.3	6.0	9.0	5.8	8.5	5.5	7.9	5.0	7.1	4.4
S	6.3	3.9	6.1	3.6	5.8	3.4	5.6	3.2	5.5	3.0	4.8	2.4	4.7	2.3	4.5	2.1	4.4	2.0	4.3	1.9	4.5	2.0	5.6	2.8	6.5	3.6	7.6	4.4	8.4	5.0	9.1	5.5	9.4	5.8	9.6	6.1	9.6	6.1	9.3	6.0	8.9	5.7	8.3	5.3	7.7	4.9	6.9	4.3
SW	6.7	4.1	6.4	3.8	6.2	3.6	6.0	3.4	5.8	3.2	5.2	2.6	5.1	2.5	4.9	2.3	4.8	2.1	4.6	2.0	4.9	2.2	5.9	3.0	6.9	3.8	7.8	4.5	8.5	5.1	9.0	5.5	9.5	5.9	10.0	6.2	10.2	6.4	10.1	6.4	9.7	6.2	9.2	5.8	8.4	5.3	7.5	4.6
W	6.8	4.1	6.6	3.9	6.3	3.6	6.1	3.5	6.0	3.3	5.3	2.7	5.2	2.5	5.0	2.4	4.9	2.2	4.8	2.1	5.0	2.3	6.1	3.1	7.0	3.8	8.0	4.6	8.6	5.1	9.2	5.6	9.5	5.9	9.9	6.2	10.2	6.4	10.3	6.4	10.0	6.3	9.6	6.0	8.9	5.6	8.0	4.9
NW	6.4	3.9	6.2	3.7	5.9	3.4	5.7	3.3	5.6	3.1	4.9	2.5	4.8	2.3	4.6	2.2	4.5	2.0	4.4	1.9	4.6	2.1	5.7	2.9	6.6	3.6	7.6	4.4	8.2	4.9	8.8	5.4	9.1	5.7	9.3	5.9	9.4	6.0	9.5	6.1	9.4	6.0	9.0	5.7	8.4	5.3	7.5	4.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	6.4	3.9	6.1	3.7	6.1	3.6	6.0	3.5	5.9	3.5	5.9	3.4	5.7	3.2	5.6	3.2	5.6	3.1	5.5	3.1	5.5	3.0	5.6	3.1	5.9	3.4	6.2	3.6	6.5	3.8	6.7	4.0	6.9	4.2	7.0	4.3	7.1	4.3	7.1	4.3	7.0	4.3	6.9	4.3	6.8	4.2	6.6	4.1
NE	6.7	4.0	6.5	3.9	6.4	3.8	6.3	3.7	6.3	3.6	6.2	3.6	6.0	3.4	6.0	3.3	5.9	3.3	5.9	3.2	5.8	3.2	5.9	3.3	6.3	3.6	6.7	3.8	7.0	4.1	7.2	4.3	7.3	4.3	7.3	4.4	7.4	4.5	7.4	4.5	7.4	4.5	7.3	4.4	7.1	4.3	6.9	4.2
E	7.1	4.2	6.9	4.1	6.8	4.0	6.8	3.9	6.7	3.9	6.6	3.8	6.4	3.6	6.4	3.6	6.3	3.5	6.3	3.5	6.3	3.4	6.4	3.5	6.8	3.8	7.1	4.1	7.6	4.4	7.8	4.5	7.8	4.6	7.8	4.7	7.8	4.7	7.8	4.7	7.8	4.7	7.7	4.7	7.5	4.5	7.3	4.4
SE	7.1	4.2	6.9	4.1	6.8	4.0	6.8	3.9	6.7	3.9	6.6	3.8	6.4	3.6	6.4	3.6	6.3	3.5	6.3	3.5	6.3	3.4	6.3	3.5	6.7	3.8	7.1	4.0	7.5	4.3	7.8	4.5	7.9	4.6	7.9	4.7	7.9	4.7	7.8	4.7	7.8	4.7	7.7	4.7	7.5	4.5	7.3	4.4
S	6.8	4.1	6.6	3.9	6.6	3.9	6.5	3.8	6.4	3.7	6.4	3.7	6.2	3.5	6.1	3.4	6.1	3.4	6.0	3.3	6.0	3.3	6.1	3.3	6.4	3.6	6.7	3.8	7.1	4.1	7.3	4.3	7.5	4.5	7.6	4.6	7.7	4.6	7.7	4.6	7.6	4.6	7.5	4.5	7.3	4.4	7.1	4.3
SW	7.3	4.3	7.0	4.1	7.0	4.1	6.9	4.0	6.8	3.9	6.8	3.9	6.6	3.7	6.5	3.6	6.5	3.6	6.4	3.5	6.4	3.5	6.5	3.5	6.8	3.8	7.1	4.0	7.4	4.3	7.6	4.5	7.8	4.6	8.0	4.7	8.1	4.8	8.2	4.9	8.1	4.9	8.0	4.8	7.9	4.7	7.6	4.5
W	7.6	4.5	7.2	4.2	7.1	4.1	7.1	4.1	7.0	4.0	6.9	4.0	6.7	3.8	6.7	3.7	6.6	3.7	6.6	3.6	6.6	3.6	6.6	3.6	7.0	3.9	7.3	4.1	7.6	4.4	7.8	4.6	8.0	4.7	8.1	4.8	8.2	4.9	8.3	4.9	8.3	5.0	8.2	4.9	8.1	4.8	7.9	4.7
NW	7.1	4.2	6.8	4.0	6.7	3.9	6.6	3.8	6.5	3.8	6.5	3.7	6.3	3.5	6.2	3.5	6.2	3.4	6.1	3.4	6.1	3.3	6.2	3.4	6.5	3.7	6.8	3.9	7.1	4.2	7.3	4.3	7.5	4.5	7.6	4.6	7.7	4.6	7.7	4.7	7.8	4.7	7.7	4.7	7.6	4.6	7.4	4.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	6.4	3.9	6.1	3.7	6.0	3.6	5.9	3.5	5.8	3.4	5.7	3.3	5.5	3.0	5.4	3.0	5.3	2.9	5.3	2.8	5.2	2.8	5.3	2.9	5.8	3.2	6.2	3.6	6.6	3.9	6.9	4.1	7.1	4.3	7.3	4.4	7.4	4.5	7.4	4.6	7.3	4.5	7.2	4.5	7.0	4.3	6.8	4.2
NE	6.7	4.0	6.4	3.8	6.3	3.7	6.2	3.6	6.1	3.6	6.1	3.5	5.8	3.2	5.7	3.2	5.7	3.1	5.6	3.0	5.5	3.0	5.7	3.1	6.2	3.4	6.7	3.8	7.2	4.2	7.4	4.4	7.5	4.5	7.6	4.6	7.7	4.7	7.7	4.7	7.6	4.7	7.5	4.6	7.3	4.5	7.0	4.3
E	7.1	4.3	6.9	4.1	6.7	4.0	6.6	3.9	6.6	3.8	6.5	3.7	6.2	3.4	6.2	3.4	6.1	3.3	6.0	3.2	6.0	3.2	6.1	3.3	6.6	3.7	7.2	4.0	7.7	4.5	8.0	4.7	8.1	4.8	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	7.9	4.9	7.7	4.7	7.4	4.5
SE	7.1	4.3	6.9	4.1	6.7	4.0	6.6	3.9	6.6	3.8	6.5	3.7	6.2	3.4	6.2	3.4	6.1	3.3	6.0	3.2	6.0	3.2	6.1	3.3	6.6	3.6	7.1	4.0	7.7	4.4	8.0	4.7	8.2	4.8	8.2	4.9	8.2	5.0	8.1	4.9	8.1	4.9	7.9	4.9	7.7	4.7	7.4	4.5
S	6.8	4.1	6.6	3.9	6.5	3.8	6.4	3.7	6.3	3.6	6.2	3.6	5.9	3.3	5.9	3.2	5.8	3.2	5.8	3.1	5.7	3.1	5.8	3.1	6.3	3.5	6.7	3.8	7.1	4.2	7.5	4.4	7.8	4.7	7.9	4.8	8.0	4.9	8.0	4.9	7.9	4.8	7.7	4.7	7.4	4.6	7.2	4.4
SW	7.3	4.4	7.0	4.1	6.9	4.0	6.8	3.9	6.7	3.8	6.6	3.8	6.3	3.5	6.3	3.4	6.2	3.4	6.1	3.3	6.1	3.2	6.2	3.3	6.6	3.7	7.1	4.0	7.5	4.3	7.8	4.6	8.0	4.8	8.2	4.9	8.4	5.1	8.5	5.1	8.5	5.1	8.3	5.0	8.1	4.9	7.8	4.7
W	7.6	4.5	7.1	4.2	7.0	4.1	6.9	4.0	6.8	3.9	6.8	3.8	6.5	3.6	6.4	3.5	6.4	3.4	6.3	3.4	6.3	3.3	6.4	3.4	6.8	3.8	7.2	4.1	7.6	4.4	7.9	4.7	8.2	4.8	8.3	5.0	8.5	5.1	8.6	5.2	8.6	5.2	8.5	5.2	8.4	5.0	8.1	4.8
NW	7.2	4.3	6.7	4.0	6.6	3.9	6.5	3.8	6.4	3.7	6.3	3.6	6.1	3.3	6.0	3.3	5.9	3.2	5.9	3.2	5.8	3.1	5.9	3.2	6.4	3.5	6.8	3.9	7.2	4.2	7.5	4.4	7.7	4.6	7.9	4.7	8.0	4.8	8.0	4.9	8.0	4.9	8.0	4.9	7.8	4.8	7.6	4.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	6.5	4.0	6.0	3.7	5.8	3.5	5.7	3.4	5.6	3.2	5.5	3.1	5.0	2.7	5.0	2.6	4.9	2.5	4.8	2.4	4.7	2.4	4.9	2.5	5.6	3.0	6.1	3.5	6.8	4.0	7.2	4.3	7.5	4.6	7.8	4.8	7.9	4.9	7.9	5.0	7.8	5.0	7.6	4.8	7.3	4.6	7.0	4.4
NE	6.7	4.1	6.3	3.8	6.2	3.7	6.0	3.5	5.9	3.4	5.8	3.3	5.4	2.9	5.3	2.8	5.2	2.7	5.1	2.6	5.0	2.5	5.2	2.6	6.0	3.2	6.7	3.8	7.4	4.3	7.8	4.6	7.9	4.8	8.1	5.0	8.2	5.1	8.2	5.1	8.1	5.1	7.9	5.0	7.6	4.8	7.2	4.5
E	7.1	4.3	6.7	4.0	6.6	3.9	6.4	3.7	6.3	3.6	6.2	3.5	5.8	3.1	5.7	3.0	5.6	2.9	5.5	2.8	5.4	2.7	5.6	2.9	6.4	3.4	7.2	4.0	8.1	4.6	8.5	5.0	8.6	5.2	8.6	5.2	8.6	5.3	8.6	5.3	8.5	5.3	8.3	5.2	8.0	5.0	7.6	4.7
SE	7.1	4.3	6.7	4.0	6.6	3.9	6.4	3.7	6.3	3.6	6.2	3.5	5.8	3.1	5.7	3.0	5.6	2.9	5.5	2.8	5.4	2.7	5.6	2.8	6.3	3.4	7.1	4.0	7.9	4.6	8.5	5.0	8.7	5.2	8.7	5.3	8.7	5.4	8.6	5.3	8.5	5.3	8.3	5.2	8.0	5.0	7.6	4.7
S	6.9	4.2	6.5	3.9	6.3	3.7	6.2	3.6	6.0	3.5	5.9	3.4	5.5	3.0	5.4	2.9	5.3	2.8	5.2	2.7	5.2	2.6	5.3	2.7	6.0	3.2	6.6	3.7	7.3	4.3	7.9	4.7	8.3	5.0	8.5	5.2	8.7	5.3	8.6	5.3	8.4	5.3	8.1	5.1	7.8	4.9	7.4	4.6
SW	7.4	4.5	6.9	4.1	6.7	3.9	6.5	3.8	6.4	3.7	6.3	3.5	5.9	3.1	5.8	3.1	5.7	2.9	5.6	2.9	5.5	2.8	5.7	2.9	6.4	3.4	7.0	3.9	7.6	4.4	8.0	4.8	8.4	5.0	8.7	5.3	9.0	5.5	9.1	5.6	9.1	5.6	8.9	5.5	8.5	5.2	8.0	4.9
W	7.8	4.7	7.0	4.2	6.9	4.0	6.7	3.9	6.6	3.7	6.5	3.6	6.1	3.2	6.0	3.1	5.9	3.0	5.8	2.9	5.7	2.9	5.8	3.0	6.5	3.5	7.1	4.0	7.8	4.5	8.2	4.8	8.5	5.1	8.8	5.3	9.0	5.5	9.2	5.6	9.3	5.7	9.1	5.6	8.8	5.4	8.4	5.1
NW	7.3	4.4	6.6	4.0	6.4	3.8	6.3	3.7	6.2	3.5	6.0	3.4	5.6	3.0	5.6	2.9	5.4	2.8	5.3	2.7	5.3	2.7	5.4	2.8	6.1	3.3	6.7	3.8	7.3	4.3	7.8	4.6	8.1	4.9	8.3	5.1	8.5	5.2	8.5	5.3	8.6	5.4	8.5	5.3	8.3	5.1	7.9	4.9
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	7.6	2.5	7.5	2.4	7.5	2.3	7.4	2.3	7.4	2.2	7.2	2.0	7.1	2.0	7.1	2.0	7.1	1.9	7.0	1.9	7.1	1.9	7.5	2.2	7.9	2.5	8.4	2.8	8.8	3.1	9.0	3.2	9.0	3.3	9.2	3.4	9.1	3.4	9.0	3.3	8.8	3.2	8.5	3.1	8.2	2.9	7.9	2.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ESKİŞEHİR (39.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	5.2	3.2	4.8	2.8	4.5	2.5	4.2	2.2	3.2	1.2	3.0	1.0	2.7	0.7	2.4	0.5	2.3	0.3	2.7	0.6	4.4	1.9	6.0	3.2	7.5	4.4	8.6	5.3	9.4	6.0	10.0	6.5	10.4	6.8	10.3	6.9	10.1	6.9	9.6	6.6	8.9	6.0	8.1	5.5	6.9	4.5	5.6	3.6
NE	5.4	3.3	5.1	3.0	4.7	2.6	4.5	2.4	3.4	1.3	3.2	1.1	2.9	0.8	2.7	0.6	2.5	0.4	3.0	0.7	5.0	2.2	6.8	3.6	8.7	5.0	9.5	5.7	9.9	6.2	10.3	6.6	10.6	7.0	10.6	7.0	10.4	7.0	9.9	6.7	9.1	6.1	8.1	5.5	6.8	4.5	5.9	3.7
E	5.8	3.5	5.4	3.1	5.1	2.8	4.8	2.5	3.8	1.5	3.6	1.3	3.3	1.0	3.1	0.8	2.9	0.6	3.4	0.9	5.4	2.4	7.4	3.9	9.6	5.5	10.6	6.3	10.9	6.7	10.9	6.9	11.0	7.1	11.0	7.2	10.8	7.2	10.3	6.9	9.4	6.3	8.4	5.6	7.2	4.7	6.2	3.9
SE	5.8	3.5	5.4	3.1	5.1	2.8	4.8	2.5	3.8	1.5	3.6	1.3	3.3	1.0	3.1	0.8	2.9	0.6	3.3	0.9	5.2	2.3	7.1	3.7	9.3	5.3	10.5	6.3	11.1	6.8	11.2	7.1	11.3	7.3	11.0	7.2	10.8	7.2	10.3	6.9	9.4	6.3	8.4	5.6	7.2	4.7	6.2	3.9
S	5.6	3.4	5.2	3.0	4.9	2.7	4.6	2.4	3.6	1.4	3.4	1.2	3.1	0.9	2.8	0.7	2.7	0.5	3.0	0.7	4.8	2.1	6.3	3.3	8.1	4.7	9.5	5.7	10.5	6.5	11.0	7.0	11.5	7.4	11.4	7.4	10.9	7.3	10.2	6.9	9.2	6.2	8.2	5.5	6.9	4.5	6.0	3.8
SW	5.9	3.6	5.5	3.2	5.2	2.9	4.9	2.6	3.9	1.6	3.7	1.4	3.4	1.1	3.2	0.8	3.0	0.7	3.4	0.9	5.1	2.3	6.6	3.5	8.2	4.8	9.3	5.6	10.2	6.4	11.0	7.0	11.8	7.5	12.1	7.8	11.9	7.7	11.4	7.4	10.5	6.8	9.2	6.0	7.7	4.9	6.3	4.0
W	6.0	3.6	5.7	3.2	5.3	2.9	5.1	2.6	4.0	1.6	3.8	1.4	3.5	1.1	3.3	0.9	3.1	0.7	3.5	1.0	5.2	2.3	6.8	3.6	8.3	4.9	9.4	5.7	10.3	6.4	10.9	6.9	11.5	7.4	12.0	7.7	12.1	7.8	11.7	7.6	11.1	7.1	9.9	6.4	8.3	5.2	6.4	4.0
NW	5.7	3.4	5.3	3.1	5.0	2.8	4.7	2.5	3.7	1.4	3.5	1.2	3.2	0.9	2.9	0.7	2.8	0.5	3.1	0.8	4.9	2.2	6.4	3.4	8.0	4.7	9.1	5.5	9.9	6.3	10.5	6.7	10.9	7.1	11.0	7.2	11.2	7.4	10.9	7.2	10.3	6.8	9.4	6.1	7.9	5.0	6.1	3.9
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.4	3.9	6.3	3.8	6.2	3.7	6.2	3.7	6.1	3.6	6.1	3.6	6.1	3.6	6.0	3.5	6.0	3.5	5.9	3.4	5.9	3.4	5.9	3.4	5.9	3.4	6.1	3.5	6.2	3.7	6.4	3.8	6.5	3.9	6.6	3.9	6.6	4.0	6.7	4.0	6.7	4.0	6.6	4.0	6.6	4.0	6.5	3.9
NE	6.8	4.0	6.6	3.9	6.6	3.9	6.5	3.8	6.5	3.8	6.4	3.8	6.4	3.7	6.3	3.6	6.3	3.6	6.3	3.6	6.3	3.6	6.2	3.6	6.3	3.6	6.5	3.7	6.6	3.9	6.8	4.0	6.9	4.1	6.9	4.1	7.0	4.1	7.0	4.2	7.0	4.2	7.0	4.2	6.9	4.2	6.9	4.1
E	7.2	4.3	7.1	4.2	7.0	4.1	7.0	4.1	6.9	4.0	6.9	4.0	6.9	4.0	6.8	3.9	6.8	3.8	6.7	3.8	6.7	3.8	6.7	3.8	6.7	3.8	6.9	4.0	7.1	4.1	7.3	4.2	7.4	4.3	7.5	4.4	7.4	4.4	7.5	4.4	7.5	4.4	7.4	4.4	7.4	4.4	7.3	4.3
SE	7.2	4.3	7.1	4.2	7.0	4.1	7.0	4.1	6.9	4.0	6.9	4.0	6.9	4.0	6.8	3.9	6.8	3.8	6.7	3.8	6.7	3.8	6.7	3.8	6.7	3.8	6.9	3.9	7.1	4.1	7.3	4.2	7.4	4.3	7.5	4.4	7.5	4.4	7.5	4.4	7.5	4.4	7.4	4.4	7.4	4.4	7.3	4.3
S	6.9	4.1	6.8	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.8	6.5	3.7	6.5	3.7	6.4	3.7	6.4	3.7	6.4	3.6	6.4	3.7	6.6	3.8	6.8	3.9	6.9	4.0	7.1	4.1	7.2	4.2	7.2	4.3	7.3	4.3	7.2	4.3	7.2	4.3	7.1	4.2	7.0	4.2
SW	7.4	4.4	7.3	4.3	7.1	4.2	7.1	4.1	7.1	4.1	7.0	4.1	7.0	4.0	6.9	3.9	6.9	3.9	6.9	3.9	6.8	3.9	6.8	3.8	6.8	3.9	7.0	4.0	7.2	4.1	7.3	4.2	7.4	4.3	7.5	4.4	7.6	4.4	7.7	4.5	7.7	4.5	7.7	4.5	7.6	4.5	7.5	4.4
W	7.6	4.5	7.5	4.4	7.3	4.2	7.3	4.2	7.2	4.2	7.2	4.1	7.2	4.1	7.1	4.0	7.0	4.0	7.0	4.0	7.0	3.9	7.0	3.9	7.0	4.0	7.2	4.1	7.3	4.2	7.5	4.3	7.6	4.4	7.7	4.5	7.7	4.5	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.7	4.5
NW	7.2	4.2	7.0	4.1	6.8	4.0	6.8	4.0	6.8	3.9	6.7	3.9	6.7	3.9	6.6	3.8	6.6	3.8	6.6	3.7	6.5	3.7	6.5	3.7	6.6	3.7	6.7	3.9	6.9	4.0	7.0	4.1	7.1	4.2	7.2	4.2	7.3	4.3	7.3	4.3	7.3	4.3	7.3	4.4	7.3	4.3	7.3	4.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	6.5	4.0	6.1	3.7	5.9	3.6	5.8	3.4	5.7	3.4	5.7	3.3	5.4	3.0	5.3	2.9	5.2	2.8	5.1	2.8	5.1	2.7	5.2	2.8	5.7	3.2	6.2	3.5	6.6	3.9	7.0	4.2	7.2	4.4	7.4	4.5	7.5	4.6	7.5	4.7	7.4	4.6	7.3	4.6	7.0	4.4	6.8	4.2
NE	6.7	4.1	6.4	3.8	6.3	3.7	6.2	3.6	6.1	3.5	6.0	3.4	5.7	3.1	5.6	3.1	5.5	3.0	5.5	2.9	5.4	2.9	5.6	3.0	6.1	3.4	6.7	3.8	7.2	4.2	7.5	4.4	7.6	4.6	7.7	4.7	7.8	4.8	7.8	4.8	7.7	4.8	7.6	4.7	7.4	4.6	7.1	4.3
E	7.1	4.3	6.8	4.1	6.7	3.9	6.6	3.8	6.5	3.7	6.4	3.6	6.1	3.3	6.1	3.3	6.0	3.2	5.9	3.1	5.8	3.1	6.0	3.2	6.6	3.6	7.2	4.0	7.8	4.5	8.1	4.8	8.2	4.9	8.2	4.9	8.2	5.0	8.2	5.0	8.2	5.0	8.0	4.9	7.8	4.8	7.5	4.6
SE	7.1	4.3	6.8	4.1	6.7	3.9	6.6	3.8	6.5	3.7	6.4	3.6	6.1	3.3	6.1	3.3	6.0	3.2	5.9	3.1	5.8	3.1	6.0	3.2	6.5	3.6	7.1	4.0	7.7	4.5	8.1	4.8	8.3	4.9	8.3	5.0	8.3	5.1	8.2	5.0	8.2	5.0	8.0	4.9	7.8	4.8	7.5	4.6
S	6.8	4.1	6.6	3.9	6.4	3.8	6.3	3.7	6.2	3.6	6.2	3.5	5.9	3.2	5.8	3.2	5.7	3.1	5.6	3.0	5.6	2.9	5.7	3.0	6.2	3.4	6.7	3.8	7.2	4.2	7.6	4.5	7.9	4.7	8.1	4.9	8.2	5.0	8.2	5.0	8.0	4.9	7.8	4.8	7.5	4.6	7.2	4.4
SW	7.3	4.4	7.0	4.1	6.8	4.0	6.7	3.9	6.6	3.8	6.5	3.7	6.2	3.4	6.2	3.3	6.1	3.3	6.0	3.2	6.0	3.1	6.1	3.2	6.6	3.6	7.0	4.0	7.5	4.4	7.8	4.6	8.1	4.8	8.3	5.0	8.6	5.2	8.7	5.2	8.6	5.2	8.4	5.1	8.2	5.0	7.8	4.7
W	7.7	4.6	7.1	4.2	7.0	4.1	6.9	4.0	6.8	3.9	6.7	3.8	6.4	3.5	6.3	3.4	6.2	3.3	6.2	3.3	6.1	3.2	6.2	3.3	6.7	3.7	7.2	4.1	7.7	4.4	8.0	4.7	8.3	4.9	8.4	5.0	8.6	5.2	8.8	5.3	8.8	5.3	8.7	5.3	8.5	5.1	8.1	4.9
NW	7.2	4.3	6.7	4.0	6.6	3.9	6.4	3.7	6.3	3.7	6.3	3.6	6.0	3.3	5.9	3.2	5.8	3.1	5.7	3.1	5.7	3.0	5.8	3.1	6.3	3.5	6.8	3.8	7.2	4.2	7.6	4.5	7.8	4.7	8.0	4.8	8.1	4.9	8.1	5.0	8.2	5.0	8.1	5.0	7.9	4.8	7.7	4.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.9	3.7	5.6	3.4	5.4	3.2	5.2	3.0	5.0	2.8	4.4	2.2	4.3	2.1	4.1	1.9	3.9	1.7	3.8	1.6	4.1	1.8	5.2	2.6	6.1	3.4	7.0	4.1	7.7	4.7	8.2	5.1	8.5	5.4	8.8	5.6	8.7	5.6	8.6	5.6	8.3	5.5	7.9	5.1	7.4	4.8	6.6	4.2
NE	6.2	3.8	5.9	3.5	5.7	3.3	5.5	3.1	5.3	3.0	4.7	2.3	4.6	2.2	4.4	2.0	4.2	1.9	4.1	1.8	4.4	2.0	5.6	2.9	6.7	3.7	7.9	4.6	8.4	5.0	8.6	5.3	8.8	5.5	9.1	5.8	9.0	5.8	8.9	5.8	8.6	5.6	8.1	5.3	7.5	4.8	6.7	4.2
E	6.6	4.0	6.3	3.7	6.1	3.5	5.9	3.3	5.7	3.2	5.1	2.5	5.0	2.4	4.8	2.2	4.6	2.1	4.5	2.0	4.8	2.2	6.0	3.1	7.3	4.0	8.6	4.9	9.2	5.4	9.4	5.7	9.4	5.8	9.5	6.0	9.4	6.0	9.3	6.0	9.0	5.8	8.5	5.5	7.9	5.0	7.1	4.4
SE	6.6	4.0	6.3	3.7	6.1	3.5	5.9	3.3	5.7	3.2	5.1	2.5	5.0	2.4	4.8	2.2	4.6	2.1	4.5	2.0	4.8	2.1	5.9	3.0	7.1	3.9	8.4	4.8	9.2	5.4	9.5	5.8	9.6	5.9	9.6	6.1	9.4	6.0	9.3	6.0	9.0	5.8	8.5	5.5	7.9	5.0	7.1	4.4
S	6.3	3.9	6.1	3.6	5.8	3.4	5.6	3.2	5.5	3.0	4.8	2.4	4.7	2.3	4.5	2.1	4.4	2.0	4.3	1.9	4.5	2.0	5.6	2.8	6.5	3.6	7.6	4.4	8.4	5.0	9.1	5.5	9.4	5.8	9.6	6.1	9.6	6.1	9.3	6.0	8.9	5.7	8.3	5.3	7.7	4.9	6.9	4.3
SW	6.7	4.1	6.4	3.8	6.2	3.6	6.0	3.4	5.8	3.2	5.2	2.6	5.1	2.5	4.9	2.3	4.8	2.1	4.6	2.0	4.9	2.2	5.9	3.0	6.9	3.8	7.8	4.5	8.5	5.1	9.0	5.5	9.5	5.9	10.0	6.2	10.2	6.4	10.1	6.4	9.7	6.2	9.2	5.8	8.4	5.3	7.5	4.6
W	6.8	4.1	6.6	3.9	6.3	3.6	6.1	3.5	6.0	3.3	5.3	2.7	5.2	2.5	5.0	2.4	4.9	2.2	4.8	2.1	5.0	2.3	6.1	3.1	7.0	3.8	8.0	4.6	8.6	5.1	9.2	5.6	9.5	5.9	9.9	6.2	10.2	6.4	10.3	6.4	10.0	6.3	9.6	6.0	8.9	5.6	8.0	4.9
NW	6.4	3.9	6.2	3.7	5.9	3.4	5.7	3.3	5.6	3.1	4.9	2.5	4.8	2.3	4.6	2.2	4.5	2.0	4.4	1.9	4.6	2.1	5.7	2.9	6.6	3.6	7.6	4.4	8.2	4.9	8.8	5.4	9.1	5.7	9.3	5.9	9.4	6.0	9.5	6.1	9.4	6.0	9.0	5.7	8.4	5.3	7.5	4.7
	R2 - 12cm Concrete+2 cm plaster																																															
R	1.5	-1.3	0.9	-1.8	-1.2	-4.0	-1.6	-4.4	-2.2	-5.0	-2.7	-5.5	-3.1	-5.9	-1.9	-5.2	2.8	-1.7	7.6	1.6	13.1	5.4	17.2	8.1	19.6	9.9	20.6	10.8	21.8	11.8	21.4	11.7	19.7	11.0	17.3	9.7	14.2	7.9	10.7	5.7	6.6	3.0	3.9	1.1	3.0	0.2	2.2	-0.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :GAZİANTEP (37.05)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	7.1	9.1	6.9	9.0	6.8	8.9	6.7	8.8	6.6	8.6	6.4	8.5	6.4	8.5	6.3	8.4	6.3	8.4	6.2	8.7	6.4	9.2	6.7	9.9	7.3	10.8	7.9	11.3	8.3	11.7	8.7	12.0	8.8	12.0	8.8	12.0	8.9	11.8	8.8	11.4	8.6	11.1	8.4	10.6	8.0	9.9	7.5
NE	9.8	7.4	9.5	7.1	9.4	7.0	9.3	6.9	9.2	6.8	9.0	6.6	9.0	6.6	8.9	6.5	8.9	6.5	8.8	6.4	9.2	6.6	9.7	7.0	10.8	7.7	12.0	8.5	12.3	8.8	12.3	9.0	12.4	9.0	12.4	9.0	12.4	9.1	12.2	9.0	11.9	8.8	11.4	8.6	10.8	8.1	10.2	7.7
E	10.3	7.6	10.1	7.4	9.9	7.3	9.8	7.1	9.7	7.1	9.5	6.9	9.5	6.8	9.4	6.7	9.4	6.7	9.4	6.7	9.7	6.9	10.3	7.3	11.5	8.0	12.9	9.0	13.3	9.3	13.4	9.5	13.1	9.4	12.9	9.3	12.9	9.4	12.7	9.3	12.4	9.1	12.0	8.8	11.3	8.3	10.7	8.0
SE	10.3	7.6	10.1	7.4	9.9	7.3	9.8	7.1	9.7	7.1	9.5	6.9	9.5	6.8	9.4	6.7	9.4	6.7	9.4	6.7	9.6	6.8	10.2	7.2	11.3	7.9	12.6	8.9	13.2	9.3	13.5	9.5	13.5	9.6	13.1	9.4	12.9	9.4	12.7	9.3	12.4	9.1	12.0	8.8	11.3	8.3	10.7	8.0
S	10.0	7.5	9.8	7.3	9.6	7.1	9.5	7.0	9.4	6.9	9.3	6.7	9.2	6.7	9.1	6.6	9.1	6.6	9.1	6.6	9.3	6.7	9.8	7.0	10.6	7.6	11.5	8.3	12.3	8.8	12.9	9.2	13.2	9.4	13.2	9.5	13.1	9.5	12.8	9.3	12.2	9.0	11.7	8.7	11.0	8.2	10.4	7.8
SW	10.6	7.8	10.4	7.5	10.2	7.4	10.1	7.3	10.0	7.2	9.8	7.0	9.8	7.0	9.7	6.9	9.7	6.9	9.6	6.8	9.8	7.0	10.4	7.3	11.1	7.9	12.0	8.5	12.5	8.9	13.0	9.3	13.4	9.6	13.8	9.7	14.1	10.0	14.0	9.9	13.7	9.7	13.1	9.4	12.2	8.8	11.1	8.2
W	10.7	7.9	10.5	7.6	10.4	7.5	10.3	7.4	10.2	7.3	10.0	7.1	10.0	7.1	9.9	7.0	9.9	7.0	9.8	6.9	10.0	7.1	10.5	7.4	11.3	7.9	12.2	8.6	12.7	9.0	13.2	9.4	13.4	9.5	13.6	9.7	14.1	10.0	14.3	10.1	14.2	10.0	13.8	9.7	12.8	9.1	11.4	8.3
NW	10.1	7.6	9.9	7.3	9.8	7.2	9.7	7.1	9.6	7.0	9.4	6.8	9.4	6.8	9.3	6.7	9.3	6.7	9.2	6.6	9.4	6.8	9.9	7.1	10.7	7.6	11.6	8.3	12.1	8.7	12.6	9.1	12.8	9.2	12.8	9.2	13.0	9.4	13.1	9.5	13.1	9.4	12.9	9.3	12.1	8.7	10.8	8.0
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	10.0	7.5	9.8	7.4	9.7	7.3	9.7	7.2	9.6	7.2	9.6	7.2	9.5	7.1	9.5	7.1	9.5	7.1	9.5	7.1	9.5	7.1	9.6	7.1	9.7	7.2	10.0	7.4	10.2	7.6	10.4	7.7	10.6	7.8	10.6	7.9	10.6	7.9	10.6	7.9	10.6	7.9	10.5	7.8	10.4	7.8	10.2	7.6
NE	10.4	7.7	10.3	7.6	10.2	7.5	10.2	7.5	10.1	7.4	10.1	7.4	10.0	7.4	10.0	7.3	10.0	7.3	10.0	7.3	10.0	7.3	10.1	7.4	10.3	7.5	10.6	7.7	11.0	8.0	11.1	8.1	11.1	8.1	11.1	8.1	11.1	8.1	11.1	8.2	11.1	8.1	10.9	8.1	10.8	8.0	10.6	7.8
E	11.0	8.0	10.8	7.9	10.8	7.8	10.7	7.8	10.7	7.7	10.6	7.7	10.6	7.6	10.6	7.6	10.5	7.6	10.5	7.6	10.5	7.6	10.6	7.6	10.8	7.8	11.2	8.0	11.7	8.3	11.8	8.4	11.8	8.5	11.7	8.5	11.7	8.4	11.7	8.4	11.6	8.4	11.5	8.3	11.4	8.3	11.2	8.1
SE	11.0	8.0	10.8	7.9	10.8	7.8	10.7	7.8	10.7	7.7	10.6	7.7	10.6	7.6	10.6	7.6	10.5	7.6	10.5	7.6	10.5	7.6	10.6	7.6	10.8	7.7	11.1	8.0	11.6	8.3	11.8	8.4	11.9	8.5	11.9	8.5	11.7	8.5	11.7	8.4	11.6	8.4	11.5	8.3	11.4	8.3	11.2	8.1
S	10.6	7.8	10.5	7.7	10.4	7.6	10.4	7.6	10.4	7.6	10.3	7.5	10.3	7.5	10.3	7.5	10.2	7.4	10.2	7.4	10.2	7.4	10.3	7.5	10.4	7.6	10.7	7.7	11.0	8.0	11.2	8.1	11.4	8.3	11.5	8.3	11.5	8.4	11.5	8.4	11.4	8.3	11.2	8.2	11.0	8.1	10.8	7.9
SW	11.3	8.2	11.1	8.0	11.1	8.0	11.0	7.9	11.0	7.9	11.0	7.9	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.7	10.9	7.8	11.1	7.9	11.3	8.1	11.6	8.3	11.8	8.4	11.9	8.5	12.1	8.6	12.2	8.7	12.3	8.7	12.3	8.7	12.2	8.7	12.0	8.6	11.7	8.4
W	11.6	8.3	11.4	8.1	11.3	8.1	11.2	8.0	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.1	7.9	11.1	7.9	11.1	7.8	11.1	7.9	11.3	8.0	11.5	8.2	11.8	8.4	12.0	8.5	12.1	8.6	12.2	8.7	12.3	8.7	12.4	8.8	12.5	8.8	12.5	8.8	12.3	8.7	12.0	8.5
NW	10.9	8.0	10.7	7.8	10.6	7.7	10.6	7.7	10.5	7.7	10.5	7.6	10.5	7.6	10.4	7.6	10.4	7.5	10.4	7.5	10.4	7.5	10.5	7.6	10.6	7.7	10.9	7.8	11.1	8.1	11.3	8.2	11.5	8.3	11.5	8.3	11.5	8.3	11.6	8.4	11.6	8.4	11.6	8.4	11.6	8.4	11.3	8.2
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.9	7.5	9.7	7.3	9.6	7.2	9.6	7.2	9.5	7.1	9.5	7.1	9.4	7.0	9.4	7.0	9.3	6.9	9.3	6.9	9.3	6.9	9.4	7.0	9.6	7.1	10.0	7.4	10.3	7.7	10.6	7.8	10.8	8.0	10.9	8.1	10.9	8.1	10.9	8.1	10.8	8.0	10.6	8.0	10.5	7.9	10.3	7.7
NE	10.4	7.7	10.2	7.6	10.1	7.5	10.0	7.4	10.0	7.4	9.9	7.3	9.9	7.2	9.8	7.2	9.8	7.2	9.8	7.2	9.8	7.2	9.9	7.2	10.2	7.4	10.6	7.7	11.1	8.1	11.3	8.2	11.3	8.2	11.3	8.3	11.3	8.3	11.3	8.3	11.2	8.3	11.1	8.2	10.9	8.1	10.6	7.9
E	10.9	8.0	10.7	7.8	10.6	7.7	10.6	7.7	10.5	7.6	10.5	7.6	10.4	7.5	10.4	7.5	10.3	7.4	10.3	7.4	10.3	7.4	10.5	7.5	10.7	7.7	11.2	8.0	11.9	8.4	12.1	8.6	12.1	8.6	12.0	8.6	11.9	8.6	11.9	8.6	11.8	8.5	11.6	8.5	11.5	8.3	11.2	8.1
SE	10.9	8.0	10.7	7.8	10.6	7.7	10.6	7.7	10.5	7.6	10.5	7.6	10.4	7.5	10.4	7.5	10.3	7.4	10.3	7.4	10.3	7.4	10.4	7.5	10.7	7.7	11.2	8.0	11.8	8.4	12.0	8.6	12.1	8.7	12.1	8.7	12.0	8.6	11.9	8.6	11.8	8.5	11.6	8.5	11.5	8.3	11.2	8.1
S	10.6	7.8	10.4	7.7	10.3	7.6	10.3	7.5	10.2	7.5	10.2	7.4	10.1	7.4	10.1	7.3	10.0	7.3	10.0	7.3	10.0	7.3	10.1	7.3	10.3	7.5	10.7	7.7	11.1	8.0	11.4	8.3	11.7	8.4	11.8	8.5	11.8	8.5	11.8	8.5	11.6	8.5	11.4	8.3	11.1	8.2	10.9	8.0
SW	11.3	8.2	11.0	8.0	11.0	7.9	10.9	7.8	10.8	7.8	10.8	7.8	10.7	7.7	10.7	7.6	10.7	7.6	10.7	7.6	10.7	7.6	10.7	7.6	11.0	7.8	11.3	8.0	11.7	8.3	11.9	8.5	12.1	8.6	12.3	8.8	12.5	8.9	12.6	8.9	12.6	8.9	12.4	8.8	12.2	8.7	11.7	8.4
W	11.6	8.3	11.2	8.1	11.2	8.0	11.1	7.9	11.0	7.9	11.0	7.9	10.9	7.8	10.9	7.7	10.9	7.7	10.9	7.7	10.9	7.7	10.9	7.7	11.2	7.9	11.5	8.1	11.9	8.4	12.1	8.6	12.3	8.7	12.4	8.8	12.5	8.9	12.7	9.0	12.8	9.0	12.8	9.0	12.6	8.9	12.1	8.6
NW	10.9	8.0	10.6	7.8	10.5	7.7	10.4	7.6	10.4	7.6	10.4	7.5	10.3	7.4	10.3	7.4	10.2	7.4	10.2	7.4	10.2	7.4	10.3	7.4	10.5	7.6	10.8	7.8	11.2	8.1	11.5	8.3	11.6	8.4	11.7	8.5	11.7	8.5	11.8	8.6	11.9	8.6	11.9	8.6	11.8	8.5	11.4	8.3
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.9	7.5	9.6	7.3	9.5	7.2	9.5	7.1	9.4	7.1	9.4	7.0	9.3	6.9	9.2	6.9	9.2	6.8	9.2	6.8	9.2	6.8	9.3	6.9	9.6	7.1	10.0	7.4	10.4	7.7	10.7	7.9	10.9	8.1	11.0	8.2	11.0	8.2	11.0	8.2	10.9	8.2	10.8	8.0	10.6	7.9	10.3	7.7
NE	10.3	7.7	10.1	7.5	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.7	7.1	9.7	7.1	9.7	7.1	9.7	7.1	9.6	7.0	9.8	7.1	10.1	7.3	10.7	7.7	11.3	8.1	11.4	8.3	11.4	8.4	11.5	8.4	11.5	8.4	11.5	8.4	11.4	8.4	11.2	8.3	11.0	8.1	10.7	7.9
E	10.9	8.0	10.7	7.8	10.5	7.7	10.5	7.6	10.4	7.6	10.4	7.5	10.3	7.4	10.2	7.4	10.2	7.3	10.2	7.3	10.2	7.3	10.3	7.4	10.7	7.6	11.3	8.0	12.0	8.5	12.2	8.7	12.3	8.8	12.2	8.7	12.0	8.7	12.0	8.7	11.9	8.7	11.8	8.6	11.5	8.4	11.2	8.2
SE	10.9	8.0	10.7	7.8	10.5	7.7	10.5	7.6	10.4	7.6	10.4	7.5	10.3	7.4	10.2	7.4	10.2	7.3	10.2	7.3	10.2	7.3	10.3	7.4	10.6	7.6	11.2	8.0	11.9	8.4	12.2	8.7	12.3	8.8	12.3	8.8	12.2	8.7	12.0	8.7	11.9	8.7	11.8	8.6	11.5	8.4	11.2	8.2
S	10.6	7.8	10.3	7.6	10.2	7.5	10.2	7.5	10.1	7.4	10.1	7.4	10.0	7.3	9.9	7.2	9.9	7.2	9.9	7.2	9.9	7.2	10.0	7.2	10.2	7.4	10.6	7.7	11.2	8.1	11.5	8.3	11.9	8.6	12.0	8.7	12.0	8.7	12.0	8.7	11.8	8.6	11.5	8.4	11.2	8.3	10.9	8.0
SW	11.3	8.2	11.0	8.0	10.9	7.8	10.8	7.8	10.7	7.7	10.7	7.7	10.6	7.6	10.6	7.5	10.5	7.5	10.5	7.5	10.5	7.5	10.6	7.5	10.9	7.7	11.3	8.0	11.7	8.4	12.0	8.6	12.2	8.7	12.5	8.9	12.7	9.0	12.8	9.1	12.8	9.1	12.6	9.0	12.3	8.8	11.8	8.5
W	11.5	8.3	11.2	8.1	11.1	7.9	11.0	7.9	10.9	7.8	10.9	7.8	10.8	7.7	10.8	7.6	10.7	7.6	10.7	7.6	10.7	7.6	10.8	7.6	11.1	7.8	11.5	8.1	11.9	8.5	12.2	8.7	12.4	8.8	12.5	8.9	12.7	9.0	12.9	9.2	13.0	9.2	13.0	9.2	12.8	9.0	12.2	8.7
NW	10.9	8.0	10.5	7.7	10.4	7.6	10.4	7.6	10.3	7.5	10.2	7.4	10.2	7.4	10.1	7.3	10.1	7.3	10.1	7.3	10.1	7.3	10.2	7.3	10.4	7.5	10.8	7.8	11.3	8.1	11.6	8.3	11.8	8.5	11.9	8.6	11.9	8.6	12.0	8.7	12.1	8.7	12.1	8.7	11.9	8.6	11.5	8.3
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.3	6.7	12.2	6.6	12.2	6.6	12.2	6.5	12.1	6.5	12.1	6.5	12.1	6.4	12.0	6.4	12.0	6.4	12.0	6.4	12.1	6.4	12.4	6.6	12.7	6.8	13.2	7.1	13.6	7.3	13.8	7.5	13.9	7.6	13.9	7.6	13.9	7.6	13.7	7.5	13.5	7.4	13.2	7.2	12.8	7.0	12.5	6.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :GAZİANTEP (37.05)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	8.6	6.6	8.4	6.4	8.1	6.2	8.0	6.1	7.7	5.8	7.6	5.7	7.5	5.5	7.5	5.5	7.4	5.5	7.8	5.7	8.6	6.2	9.9	7.1	11.3	8.2	12.1	8.9	12.9	9.4	13.2	9.7	13.2	9.7	13.3	9.8	12.9	9.7	12.4	9.3	11.8	9.0	11.0	8.3	9.8	7.6	8.9	6.9
NE	8.9	6.8	8.7	6.6	8.5	6.4	8.4	6.3	8.1	6.0	8.0	5.9	7.9	5.7	7.8	5.7	7.8	5.6	8.3	5.9	9.2	6.5	11.0	7.7	12.9	9.1	13.4	9.5	13.5	9.8	13.6	9.9	13.6	9.9	13.7	10.0	13.3	9.9	12.8	9.5	12.1	9.1	11.0	8.3	10.0	7.7	9.3	7.1
E	9.4	7.0	9.2	6.8	9.0	6.6	8.9	6.5	8.6	6.2	8.4	6.1	8.3	5.9	8.3	5.9	8.2	5.9	8.8	6.2	9.7	6.8	11.7	8.0	14.1	9.6	14.7	10.2	14.8	10.4	14.5	10.3	14.1	10.1	14.1	10.3	13.8	10.1	13.2	9.7	12.5	9.3	11.4	8.6	10.5	7.9	9.7	7.4
SE	9.4	7.0	9.2	6.8	9.0	6.6	8.9	6.5	8.6	6.2	8.4	6.1	8.3	5.9	8.3	5.9	8.2	5.9	8.6	6.1	9.6	6.7	11.4	7.9	13.6	9.4	14.6	10.1	15.1	10.5	15.0	10.6	14.5	10.3	14.1	10.3	13.8	10.1	13.2	9.7	12.5	9.3	11.4	8.6	10.5	7.9	9.7	7.4
S	9.1	6.9	8.9	6.7	8.7	6.5	8.6	6.4	8.3	6.1	8.2	5.9	8.1	5.8	8.0	5.8	8.0	5.7	8.3	5.9	9.2	6.5	10.4	7.4	12.0	8.6	13.3	9.4	14.2	10.1	14.8	10.5	14.8	10.5	14.7	10.5	14.1	10.2	13.2	9.7	12.3	9.2	11.2	8.4	10.2	7.8	9.5	7.2
SW	9.7	7.2	9.4	6.9	9.2	6.7	9.1	6.6	8.8	6.3	8.7	6.2	8.6	6.1	8.6	6.0	8.5	6.0	8.8	6.2	9.7	6.8	11.0	7.7	12.4	8.8	13.2	9.4	14.0	10.0	14.7	10.5	15.3	10.8	15.8	11.1	15.7	11.1	15.2	10.7	14.3	10.2	12.6	9.2	10.9	8.2	10.0	7.5
W	9.8	7.2	9.6	7.0	9.4	6.8	9.3	6.7	9.0	6.4	8.9	6.3	8.7	6.2	8.7	6.1	8.7	6.1	9.0	6.3	9.8	6.8	11.1	7.7	12.5	8.9	13.4	9.5	14.1	10.1	14.5	10.3	14.9	10.6	15.7	11.1	16.0	11.2	15.9	11.1	15.2	10.7	13.6	9.6	11.3	8.4	10.2	7.6
NW	9.3	7.0	9.1	6.8	8.9	6.6	8.7	6.4	8.4	6.1	8.3	6.0	8.2	5.9	8.2	5.9	8.1	5.8	8.4	6.0	9.3	6.6	10.6	7.5	12.0	8.6	12.9	9.2	13.6	9.8	13.9	10.1	13.9	10.1	14.3	10.3	14.5	10.5	14.5	10.4	14.1	10.1	12.8	9.2	10.8	8.1	9.6	7.3
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.1	7.5	10.0	7.5	9.9	7.4	9.9	7.4	9.8	7.4	9.8	7.3	9.8	7.3	9.8	7.3	9.8	7.3	9.8	7.3	9.8	7.3	9.7	7.3	9.8	7.3	9.9	7.3	10.0	7.4	10.1	7.5	10.2	7.6	10.3	7.6	10.3	7.7	10.3	7.7	10.3	7.7	10.3	7.7	10.2	7.6	10.2	7.6
NE	10.5	7.8	10.5	7.7	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.5	10.3	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.3	7.5	10.4	7.6	10.5	7.7	10.7	7.8	10.8	7.9	10.8	7.9	10.8	7.9	10.8	7.9	10.8	7.9	10.8	7.9	10.7	7.9	10.6	7.8
E	11.1	8.0	11.0	8.0	11.0	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.9	7.8	11.0	7.9	11.1	8.0	11.4	8.2	11.4	8.2	11.4	8.2	11.4	8.2	11.4	8.2	11.4	8.2	11.3	8.2	11.3	8.2	11.2	8.1
SE	11.1	8.0	11.0	8.0	11.0	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.9	7.9	11.1	8.0	11.3	8.1	11.4	8.2	11.5	8.2	11.5	8.2	11.4	8.2	11.4	8.2	11.3	8.2	11.3	8.2	11.2	8.1
S	10.8	7.9	10.7	7.8	10.6	7.8	10.6	7.7	10.6	7.7	10.6	7.7	10.5	7.7	10.5	7.7	10.5	7.6	10.5	7.6	10.5	7.6	10.5	7.6	10.5	7.6	10.6	7.7	10.7	7.8	10.9	7.9	11.0	8.0	11.1	8.0	11.1	8.1	11.1	8.1	11.1	8.1	11.1	8.1	11.0	8.0	10.9	8.0
SW	11.5	8.3	11.4	8.2	11.3	8.1	11.3	8.1	11.2	8.0	11.2	8.0	11.2	8.0	11.2	8.0	11.2	8.0	11.2	8.0	11.1	8.0	11.1	8.0	11.2	8.0	11.3	8.0	11.4	8.1	11.5	8.2	11.6	8.3	11.7	8.3	11.7	8.4	11.8	8.4	11.8	8.4	11.8	8.4	11.8	8.4	11.7	8.4
W	11.8	8.4	11.6	8.3	11.5	8.2	11.5	8.2	11.4	8.2	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.2	11.7	8.3	11.8	8.4	11.9	8.4	11.9	8.5	12.0	8.5	12.0	8.5	12.1	8.6	12.0	8.5	12.0	8.5
NW	11.1	8.1	10.9	7.9	10.8	7.9	10.8	7.8	10.8	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.7	10.7	7.7	10.7	7.7	10.7	7.7	10.7	7.7	10.8	7.8	10.9	7.9	11.0	8.0	11.1	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.3	8.2	11.3	8.2	11.3	8.2	11.2	8.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.9	7.5	9.7	7.3	9.6	7.2	9.5	7.1	9.4	7.1	9.4	7.0	9.3	7.0	9.3	6.9	9.2	6.9	9.2	6.9	9.2	6.9	9.3	6.9	9.6	7.1	10.0	7.4	10.4	7.7	10.6	7.9	10.8	8.0	10.9	8.1	11.0	8.1	11.0	8.2	10.9	8.1	10.7	8.0	10.5	7.9	10.3	7.7
NE	10.4	7.7	10.1	7.5	10.0	7.4	10.0	7.4	9.9	7.3	9.9	7.3	9.8	7.2	9.8	7.2	9.7	7.1	9.7	7.1	9.7	7.1	9.8	7.2	10.1	7.4	10.6	7.7	11.2	8.1	11.4	8.2	11.4	8.3	11.4	8.4	11.4	8.4	11.4	8.4	11.3	8.3	11.2	8.2	11.0	8.1	10.6	7.9
E	10.9	8.0	10.7	7.8	10.6	7.7	10.5	7.6	10.5	7.6	10.4	7.5	10.3	7.5	10.3	7.4	10.3	7.4	10.3	7.4	10.2	7.4	10.4	7.5	10.7	7.6	11.3	8.0	12.0	8.5	12.2	8.6	12.2	8.7	12.1	8.7	12.0	8.6	12.0	8.7	11.9	8.6	11.7	8.5	11.5	8.4	11.2	8.2
SE	10.9	8.0	10.7	7.8	10.6	7.7	10.5	7.6	10.5	7.6	10.4	7.5	10.3	7.5	10.3	7.4	10.3	7.4	10.3	7.4	10.2	7.4	10.4	7.4	10.6	7.6	11.2	8.0	11.8	8.4	12.1	8.6	12.3	8.7	12.2	8.8	12.1	8.7	12.0	8.7	11.9	8.6	11.7	8.5	11.5	8.4	11.2	8.2
S	10.6	7.8	10.4	7.7	10.3	7.6	10.2	7.5	10.2	7.4	10.1	7.4	10.0	7.3	10.0	7.3	9.9	7.2	9.9	7.2	9.9	7.2	10.0	7.3	10.3	7.4	10.7	7.7	11.1	8.1	11.5	8.3	11.8	8.5	11.9	8.6	11.9	8.6	11.9	8.6	11.7	8.5	11.5	8.4	11.2	8.2	10.9	8.0
SW	11.3	8.2	11.0	8.0	10.9	7.9	10.8	7.8	10.8	7.7	10.7	7.7	10.7	7.6	10.6	7.6	10.6	7.5	10.6	7.5	10.6	7.5	10.7	7.6	10.9	7.7	11.3	8.0	11.7	8.3	12.0	8.5	12.2	8.7	12.4	8.8	12.6	8.9	12.7	9.0	12.7	9.0	12.5	8.9	12.3	8.8	11.8	8.5
W	11.5	8.3	11.2	8.1	11.1	8.0	11.0	7.9	11.0	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.6	10.8	7.6	10.8	7.6	10.9	7.7	11.1	7.8	11.5	8.1	11.9	8.4	12.2	8.6	12.4	8.8	12.5	8.9	12.6	8.9	12.8	9.1	12.9	9.1	12.9	9.1	12.7	9.0	12.2	8.7
NW	10.9	8.0	10.6	7.7	10.5	7.6	10.4	7.6	10.3	7.5	10.3	7.5	10.2	7.4	10.2	7.4	10.1	7.3	10.1	7.3	10.1	7.3	10.2	7.4	10.5	7.5	10.8	7.8	11.3	8.1	11.5	8.3	11.7	8.5	11.8	8.6	11.8	8.6	11.9	8.6	12.0	8.7	12.0	8.7	11.9	8.6	11.5	8.3
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.1	7.5	10.0	7.5	9.9	7.4	9.9	7.4	9.9	7.4	9.8	7.4	9.8	7.3	9.8	7.3	9.8	7.3	9.8	7.3	9.8	7.3	9.8	7.3	9.8	7.3	9.9	7.4	10.0	7.4	10.1	7.5	10.2	7.6	10.2	7.6	10.2	7.6	10.3	7.6	10.3	7.6	10.2	7.6	10.2	7.6	10.1	7.6
NE	10.5	7.8	10.5	7.7	10.4	7.7	10.4	7.6	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.6	10.4	7.6	10.5	7.7	10.7	7.8	10.7	7.8	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.8	10.6	7.8
E	11.1	8.0	11.0	8.0	11.0	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.9	11.0	7.9	11.1	8.0	11.3	8.1	11.4	8.2	11.4	8.2	11.3	8.2	11.3	8.2	11.3	8.2	11.3	8.2	11.2	8.1	11.2	8.1
SE	11.1	8.0	11.0	8.0	11.0	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.8	11.0	7.9	11.1	8.0	11.3	8.1	11.4	8.2	11.4	8.2	11.4	8.2	11.3	8.2	11.3	8.2	11.3	8.2	11.2	8.1	11.2	8.1
S	10.8	7.9	10.7	7.8	10.7	7.8	10.6	7.8	10.6	7.7	10.6	7.7	10.6	7.7	10.6	7.7	10.5	7.7	10.5	7.7	10.5	7.7	10.5	7.7	10.6	7.7	10.6	7.7	10.7	7.8	10.9	7.9	10.9	8.0	11.0	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.0	8.0	10.9	8.0	10.9	7.9
SW	11.5	8.2	11.4	8.2	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.2	8.0	11.2	8.0	11.2	8.0	11.2	8.0	11.2	8.0	11.2	8.0	11.2	8.0	11.3	8.1	11.4	8.1	11.5	8.2	11.6	8.3	11.6	8.3	11.7	8.3	11.7	8.4	11.8	8.4	11.8	8.4	11.7	8.4	11.6	8.3
W	11.8	8.4	11.6	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.5	8.2	11.6	8.2	11.7	8.3	11.8	8.4	11.8	8.4	11.9	8.4	11.9	8.5	12.0	8.5	12.0	8.5	12.0	8.5	11.9	8.5
NW	11.1	8.0	10.9	7.9	10.8	7.9	10.8	7.8	10.8	7.8	10.8	7.8	10.8	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.8	7.8	10.9	7.9	11.0	8.0	11.1	8.0	11.1	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.7	2.6	5.4	2.4	4.8	1.8	4.6	1.5	4.3	1.3	4.3	1.2	4.2	1.1	5.2	1.7	7.9	3.4	12.5	6.2	18.3	9.9	22.0	12.2	24.6	14.0	26.1	14.9	26.2	15.0	25.6	14.9	23.7	13.9	21.0	12.4	17.5	10.6	13.2	7.9	9.3	5.7	7.3	4.2	6.6	3.5	6.1	3.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :GÜMÜŞHANE (40.27)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	4.8	2.7	4.6	2.6	4.4	2.3	4.2	2.2	4.1	2.0	3.7	1.7	3.6	1.5	3.5	1.4	3.4	1.3	3.3	1.3	3.5	1.4	4.1	1.8	5.1	2.5	5.7	3.1	6.5	3.8	7.1	4.4	7.5	4.7	7.8	4.9	7.7	4.9	7.7	4.9	7.2	4.5	6.8	4.2	6.5	3.8	6.2	3.5
NE	5.7	3.1	5.5	3.0	5.2	2.7	5.1	2.6	4.9	2.4	4.6	2.1	4.5	2.0	4.3	1.8	4.3	1.8	4.2	1.7	4.4	1.8	5.1	2.3	7.3	3.6	8.5	4.5	8.6	4.9	8.3	5.0	8.4	5.2	8.6	5.3	8.6	5.3	8.5	5.3	8.1	5.0	7.5	4.5	6.7	3.9	6.1	3.5
E	7.1	3.9	6.8	3.7	6.6	3.4	6.5	3.3	6.3	3.1	6.0	2.8	5.8	2.6	5.7	2.5	5.6	2.5	5.5	2.4	5.7	2.5	6.5	2.9	9.1	4.5	11.1	5.8	11.4	6.3	11.2	6.4	10.4	6.2	10.0	6.0	9.9	6.0	9.9	6.0	9.4	5.6	8.8	5.2	8.1	4.6	7.5	4.1
SE	7.1	3.8	6.8	3.6	6.6	3.4	6.4	3.3	6.3	3.1	5.9	2.8	5.8	2.6	5.7	2.5	5.6	2.4	5.5	2.4	5.7	2.5	6.4	2.9	8.5	4.1	10.4	5.4	11.3	6.2	11.6	6.6	11.3	6.6	10.6	6.3	9.9	6.0	9.9	6.0	9.4	5.6	8.8	5.2	8.1	4.6	7.4	4.1
S	6.4	3.5	6.2	3.3	6.0	3.1	5.8	3.0	5.7	2.8	5.3	2.5	5.2	2.3	5.1	2.2	5.0	2.1	4.9	2.0	5.1	2.1	5.7	2.5	6.6	3.2	7.6	4.0	9.0	5.1	10.1	5.9	10.7	6.3	10.8	6.5	10.6	6.3	9.9	6.0	9.1	5.5	8.2	4.9	7.5	4.3	6.8	3.8
SW	7.5	4.0	7.3	3.9	7.1	3.6	6.9	3.5	6.8	3.4	6.4	3.0	6.3	2.9	6.2	2.8	6.1	2.7	6.0	2.6	6.2	2.7	6.8	3.1	7.7	3.8	8.4	4.4	9.2	5.2	9.8	5.7	10.9	6.4	11.9	7.0	12.5	7.3	12.2	7.1	11.8	6.8	11.1	6.3	10.0	5.5	9.0	4.9
W	8.0	4.3	7.9	4.2	7.6	3.9	7.5	3.8	7.3	3.6	7.0	3.3	6.8	3.1	6.7	3.0	6.6	3.0	6.6	2.9	6.7	3.0	7.3	3.4	8.2	4.0	8.9	4.7	9.7	5.4	10.4	6.0	10.8	6.4	11.6	6.8	12.6	7.4	12.9	7.5	12.9	7.4	12.6	7.0	11.7	6.4	11.0	5.9
NW	6.7	3.7	6.6	3.5	6.3	3.3	6.2	3.1	6.0	3.0	5.7	2.6	5.6	2.5	5.4	2.4	5.4	2.3	5.3	2.2	5.4	2.3	6.0	2.7	6.9	3.4	7.6	4.0	8.5	4.8	9.1	5.4	9.5	5.7	9.7	5.9	9.9	6.0	10.5	6.3	10.7	6.3	10.6	6.1	10.0	5.6	9.7	5.3
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	5.7	3.2	5.2	2.9	5.1	2.8	5.1	2.8	5.0	2.7	5.0	2.7	4.9	2.6	4.8	2.5	4.8	2.5	4.8	2.5	4.7	2.4	4.8	2.5	5.0	2.6	5.3	2.8	5.5	3.0	5.8	3.2	5.9	3.4	6.1	3.5	6.1	3.6	6.1	3.6	6.1	3.6	6.0	3.5	5.8	3.4	5.7	3.2
NE	6.3	3.5	6.1	3.4	6.1	3.3	6.0	3.2	6.0	3.2	5.9	3.1	5.8	3.0	5.8	3.0	5.7	2.9	5.7	2.9	5.7	2.9	5.7	2.9	6.0	3.1	6.7	3.5	7.1	3.8	7.1	3.9	7.0	3.9	7.0	4.0	7.1	4.1	7.1	4.1	7.1	4.1	6.9	3.9	6.7	3.8	6.5	3.6
E	7.8	4.2	7.7	4.1	7.6	4.1	7.5	4.0	7.5	3.9	7.4	3.9	7.3	3.8	7.3	3.7	7.2	3.7	7.2	3.7	7.2	3.6	7.2	3.7	7.5	3.8	8.3	4.3	9.0	4.7	9.1	4.9	9.0	4.9	8.7	4.9	8.6	4.8	8.6	4.8	8.6	4.8	8.4	4.7	8.2	4.6	8.0	4.4
SE	7.8	4.2	7.7	4.1	7.6	4.1	7.5	4.0	7.5	3.9	7.4	3.9	7.3	3.8	7.3	3.7	7.2	3.7	7.2	3.7	7.2	3.6	7.2	3.7	7.5	3.8	8.1	4.2	8.7	4.6	9.0	4.9	9.1	5.0	9.0	5.0	8.8	4.9	8.6	4.8	8.6	4.8	8.4	4.7	8.2	4.5	8.0	4.4
S	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.6	6.8	3.6	6.7	3.5	6.6	3.4	6.6	3.4	6.5	3.3	6.5	3.3	6.5	3.3	6.5	3.3	6.7	3.5	7.0	3.7	7.4	3.9	7.8	4.3	8.1	4.5	8.3	4.7	8.4	4.7	8.3	4.7	8.1	4.6	7.8	4.4	7.5	4.2	7.3	4.0
SW	8.7	4.7	8.2	4.4	8.1	4.3	8.0	4.2	8.0	4.2	7.9	4.1	7.8	4.0	7.8	4.0	7.7	4.0	7.7	3.9	7.7	3.9	7.7	3.9	7.9	4.1	8.2	4.3	8.5	4.5	8.7	4.7	8.9	4.9	9.3	5.1	9.6	5.3	9.8	5.4	9.7	5.4	9.6	5.3	9.3	5.1	9.0	4.9
W	9.7	5.2	8.8	4.7	8.7	4.6	8.6	4.5	8.6	4.5	8.5	4.5	8.4	4.3	8.4	4.3	8.4	4.3	8.3	4.2	8.3	4.2	8.4	4.2	8.5	4.4	8.8	4.6	9.1	4.8	9.3	5.0	9.5	5.2	9.7	5.3	9.9	5.5	10.3	5.7	10.3	5.7	10.3	5.7	10.2	5.6	9.9	5.3
NW	8.3	4.5	7.4	4.0	7.3	3.9	7.2	3.8	7.2	3.8	7.1	3.7	7.0	3.6	7.0	3.6	6.9	3.6	6.9	3.5	6.9	3.5	6.9	3.5	7.1	3.7	7.4	3.9	7.6	4.1	7.9	4.3	8.1	4.5	8.2	4.6	8.3	4.7	8.4	4.7	8.6	4.8	8.6	4.8	8.6	4.7	8.4	4.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	5.8	3.2	5.1	2.9	5.1	2.8	5.0	2.7	4.9	2.6	4.8	2.6	4.7	2.4	4.6	2.3	4.6	2.3	4.5	2.3	4.5	2.2	4.6	2.3	4.8	2.4	5.3	2.8	5.5	3.0	5.9	3.3	6.1	3.6	6.3	3.7	6.4	3.8	6.4	3.8	6.4	3.8	6.2	3.7	6.0	3.5	5.9	3.3
NE	6.2	3.5	6.1	3.3	6.0	3.3	5.9	3.1	5.8	3.1	5.7	3.0	5.6	2.9	5.5	2.8	5.5	2.8	5.5	2.7	5.4	2.7	5.5	2.7	5.8	2.9	6.8	3.5	7.3	3.9	7.4	4.1	7.2	4.1	7.2	4.2	7.3	4.3	7.3	4.3	7.3	4.3	7.1	4.1	6.8	3.9	6.5	3.7
E	7.7	4.2	7.6	4.1	7.5	4.0	7.4	3.9	7.3	3.8	7.2	3.8	7.1	3.6	7.0	3.6	7.0	3.5	6.9	3.5	6.9	3.4	7.0	3.5	7.3	3.7	8.5	4.4	9.3	4.9	9.5	5.1	9.3	5.2	9.0	5.1	8.8	5.0	8.8	5.0	8.8	5.0	8.6	4.9	8.3	4.7	8.0	4.4
SE	7.7	4.2	7.6	4.1	7.5	4.0	7.4	3.9	7.3	3.8	7.2	3.8	7.1	3.6	7.0	3.5	7.0	3.5	6.9	3.5	6.9	3.4	7.0	3.5	7.3	3.7	8.2	4.2	9.0	4.8	9.4	5.1	9.5	5.3	9.4	5.3	9.1	5.2	8.8	5.0	8.8	5.0	8.6	4.9	8.3	4.7	8.0	4.4
S	7.0	3.9	6.9	3.7	6.8	3.6	6.7	3.5	6.6	3.5	6.5	3.4	6.4	3.3	6.3	3.2	6.3	3.2	6.3	3.1	6.2	3.1	6.3	3.1	6.5	3.3	6.9	3.6	7.4	4.0	8.0	4.4	8.5	4.7	8.7	5.0	8.8	5.0	8.7	5.0	8.4	4.8	8.0	4.6	7.6	4.3	7.3	4.1
SW	8.7	4.7	8.0	4.3	8.0	4.2	7.9	4.1	7.8	4.1	7.7	4.0	7.6	3.9	7.5	3.8	7.5	3.8	7.5	3.7	7.4	3.7	7.5	3.7	7.7	3.9	8.1	4.2	8.4	4.5	8.8	4.8	9.1	5.0	9.5	5.4	10.0	5.6	10.2	5.7	10.1	5.7	9.9	5.5	9.6	5.3	9.1	5.0
W	10.0	5.3	8.6	4.6	8.6	4.5	8.5	4.4	8.4	4.4	8.3	4.3	8.2	4.2	8.1	4.1	8.1	4.1	8.0	4.0	8.0	4.0	8.1	4.0	8.3	4.2	8.7	4.5	9.0	4.8	9.4	5.1	9.7	5.3	9.8	5.5	10.2	5.7	10.6	5.9	10.8	6.0	10.8	5.9	10.6	5.8	10.2	5.5
NW	8.5	4.6	7.2	3.9	7.2	3.8	7.1	3.7	7.0	3.7	6.9	3.6	6.8	3.5	6.7	3.4	6.7	3.4	6.7	3.3	6.6	3.3	6.7	3.3	6.9	3.5	7.3	3.8	7.6	4.1	8.0	4.4	8.3	4.6	8.4	4.8	8.5	4.9	8.6	4.9	8.9	5.1	9.0	5.0	8.9	5.0	8.7	4.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	5.8	3.3	5.1	2.8	5.0	2.8	4.9	2.6	4.8	2.6	4.7	2.5	4.5	2.3	4.5	2.2	4.4	2.2	4.4	2.1	4.3	2.1	4.4	2.1	4.7	2.3	5.2	2.7	5.6	3.0	6.0	3.4	6.3	3.7	6.5	3.9	6.6	4.0	6.6	4.0	6.6	4.0	6.3	3.8	6.1	3.6	5.9	3.4
NE	6.2	3.5	6.0	3.3	5.9	3.2	5.8	3.1	5.7	3.0	5.6	2.9	5.4	2.7	5.4	2.7	5.3	2.6	5.3	2.6	5.2	2.5	5.3	2.6	5.7	2.8	6.8	3.5	7.5	4.0	7.5	4.2	7.4	4.2	7.4	4.4	7.5	4.4	7.5	4.4	7.5	4.4	7.3	4.2	6.9	4.0	6.6	3.7
E	7.7	4.2	7.5	4.0	7.4	3.9	7.2	3.8	7.2	3.7	7.1	3.7	6.9	3.5	6.8	3.4	6.8	3.4	6.7	3.3	6.7	3.3	6.8	3.3	7.2	3.6	8.6	4.4	9.6	5.0	9.8	5.3	9.6	5.4	9.2	5.3	9.0	5.2	9.0	5.2	9.0	5.2	8.7	5.0	8.4	4.7	8.0	4.4
SE	7.7	4.2	7.5	4.0	7.4	3.9	7.2	3.8	7.2	3.7	7.1	3.7	6.9	3.5	6.8	3.4	6.8	3.3	6.7	3.3	6.7	3.3	6.8	3.3	7.1	3.5	8.2	4.2	9.2	4.9	9.7	5.3	9.8	5.5	9.7	5.5	9.3	5.3	9.0	5.2	9.0	5.2	8.7	5.0	8.4	4.7	8.0	4.4
S	7.0	3.9	6.8	3.7	6.7	3.6	6.6	3.5	6.5	3.4	6.4	3.3	6.2	3.1	6.2	3.1	6.1	3.0	6.1	3.0	6.0	2.9	6.1	3.0	6.4	3.2	6.9	3.5	7.4	4.0	8.2	4.5	8.7	4.9	9.0	5.2	9.1	5.2	9.0	5.2	8.6	5.0	8.2	4.7	7.7	4.4	7.4	4.1
SW	8.8	4.7	8.0	4.3	7.9	4.2	7.7	4.1	7.7	4.0	7.6	3.9	7.4	3.7	7.3	3.7	7.3	3.6	7.2	3.6	7.2	3.5	7.3	3.6	7.6	3.8	8.1	4.1	8.4	4.5	8.9	4.9	9.2	5.1	9.8	5.5	10.3	5.8	10.6	6.0	10.4	5.9	10.2	5.7	9.9	5.5	9.3	5.1
W	10.1	5.4	8.6	4.6	8.5	4.5	8.3	4.4	8.3	4.3	8.2	4.2	8.0	4.0	7.9	4.0	7.9	3.9	7.8	3.9	7.8	3.8	7.9	3.9	8.2	4.1	8.7	4.4	9.0	4.8	9.5	5.1	9.8	5.4	10.0	5.6	10.4	5.9	10.9	6.2	11.1	6.2	11.1	6.2	10.9	6.0	10.5	5.7
NW	8.7	4.7	7.2	3.9	7.1	3.8	7.0	3.7	6.9	3.6	6.8	3.5	6.6	3.3	6.6	3.3	6.5	3.2	6.5	3.2	6.4	3.1	6.5	3.2	6.8	3.4	7.3	3.7	7.6	4.1	8.1	4.5	8.4	4.8	8.6	4.9	8.7	5.0	8.8	5.1	9.2	5.3	9.2	5.2	9.2	5.1	8.9	4.9
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.6	4.1	11.5	4.1	11.4	4.0	11.4	4.0	11.3	3.9	11.2	3.8	11.2	3.8	11.2	3.7	11.2	3.7	11.1	3.7	11.2	3.7	11.5	3.9	12.1	4.3	12.7	4.7	13.2	5.0	13.6	5.3	13.8	5.4	13.8	5.5	13.7	5.4	13.4	5.2	13.1	5.0	12.7	4.8	12.2	4.5	11.8	4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :GÜMÜŞHANE (40.27)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	4.1	2.3	3.7	1.9	3.5	1.6	3.3	1.4	2.7	0.8	2.5	0.6	2.3	0.4	2.2	0.3	2.0	0.2	2.3	0.3	3.3	1.0	4.9	2.2	5.9	3.1	7.3	4.4	8.3	5.3	8.9	5.9	9.3	6.2	9.2	6.2	9.2	6.1	8.4	5.5	7.7	4.9	7.2	4.3	6.8	3.9	4.4	2.5
NE	4.9	2.7	4.5	2.3	4.3	2.0	4.0	1.8	3.4	1.2	3.2	1.0	3.0	0.8	2.9	0.7	2.8	0.5	3.1	0.7	4.3	1.5	7.9	3.6	9.9	5.1	10.1	5.8	9.5	5.9	9.7	6.3	10.0	6.6	10.0	6.6	9.9	6.5	9.2	5.9	8.2	5.2	7.0	4.2	5.9	3.4	5.2	2.9
E	6.1	3.3	5.7	2.9	5.5	2.6	5.2	2.4	4.7	1.8	4.5	1.6	4.3	1.4	4.1	1.3	4.0	1.1	4.3	1.3	5.6	2.1	9.9	4.6	13.1	6.7	13.7	7.6	13.2	7.8	11.9	7.4	11.3	7.2	11.2	7.2	11.2	7.1	10.4	6.5	9.4	5.8	8.2	4.8	7.1	4.1	6.5	3.6
SE	6.1	3.3	5.7	2.9	5.4	2.6	5.2	2.4	4.6	1.8	4.4	1.6	4.2	1.4	4.1	1.3	4.0	1.1	4.2	1.3	5.4	2.0	8.8	4.1	12.0	6.1	13.4	7.4	13.9	8.1	13.5	8.2	12.3	7.7	11.2	7.2	11.1	7.1	10.4	6.5	9.4	5.7	8.2	4.8	7.1	4.0	6.5	3.6
S	5.6	3.0	5.2	2.6	4.9	2.3	4.7	2.1	4.1	1.5	3.9	1.3	3.7	1.1	3.6	1.0	3.4	0.9	3.7	1.0	4.7	1.7	6.1	2.8	7.9	4.1	10.2	5.8	12.0	7.1	13.0	7.9	13.1	8.1	12.7	7.9	11.7	7.4	10.3	6.5	8.8	5.5	7.6	4.6	6.6	3.8	5.9	3.3
SW	6.5	3.5	6.1	3.1	5.9	2.8	5.7	2.6	5.1	2.0	4.9	1.8	4.7	1.6	4.6	1.5	4.4	1.4	4.6	1.5	5.6	2.1	7.1	3.3	8.3	4.3	9.7	5.6	10.7	6.5	12.5	7.7	14.1	8.6	15.0	9.1	14.6	8.8	14.0	8.3	12.8	7.5	10.9	6.2	9.4	5.2	6.8	3.7
W	7.0	3.7	6.6	3.3	6.4	3.1	6.1	2.8	5.6	2.3	5.4	2.1	5.2	1.9	5.0	1.7	4.9	1.6	5.1	1.8	6.1	2.4	7.6	3.5	8.8	4.6	10.1	5.8	11.1	6.7	11.8	7.3	13.1	8.1	14.8	9.0	15.3	9.2	15.3	9.0	14.8	8.5	13.3	7.4	12.2	6.6	7.3	4.0
NW	5.9	3.2	5.5	2.8	5.2	2.5	5.0	2.3	4.4	1.7	4.2	1.5	4.0	1.3	3.9	1.2	3.8	1.0	4.0	1.2	5.0	1.8	6.5	2.9	7.6	4.0	9.0	5.2	10.0	6.2	10.7	6.8	11.0	7.1	11.4	7.3	12.4	7.7	12.7	7.7	12.5	7.3	11.6	6.5	11.0	6.0	6.2	3.4
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.6	3.1	5.5	3.1	5.3	2.9	5.3	2.9	5.2	2.9	5.2	2.8	5.2	2.8	5.1	2.8	5.1	2.7	5.1	2.7	5.1	2.7	5.1	2.7	5.1	2.7	5.2	2.8	5.3	2.9	5.4	3.0	5.6	3.1	5.7	3.2	5.7	3.3	5.8	3.3	5.8	3.3	5.7	3.3	5.7	3.2	5.6	3.2
NE	6.4	3.5	6.3	3.5	6.3	3.4	6.2	3.4	6.2	3.3	6.2	3.3	6.1	3.3	6.1	3.2	6.1	3.2	6.1	3.2	6.0	3.2	6.0	3.2	6.1	3.2	6.2	3.3	6.5	3.5	6.7	3.6	6.7	3.7	6.7	3.7	6.7	3.7	6.7	3.8	6.7	3.8	6.7	3.8	6.6	3.7	6.5	3.6
E	8.0	4.3	7.9	4.2	7.8	4.2	7.8	4.2	7.7	4.1	7.7	4.1	7.7	4.1	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.7	4.1	8.1	4.3	8.4	4.5	8.5	4.6	8.5	4.6	8.3	4.6	8.3	4.5	8.3	4.5	8.3	4.5	8.2	4.5	8.1	4.4
SE	8.0	4.3	7.9	4.2	7.8	4.2	7.8	4.2	7.7	4.1	7.7	4.1	7.7	4.1	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.7	4.0	8.0	4.2	8.3	4.4	8.5	4.6	8.5	4.6	8.5	4.6	8.4	4.6	8.3	4.5	8.3	4.5	8.2	4.5	8.1	4.4
S	7.3	4.0	7.2	3.9	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7	7.0	3.7	6.9	3.7	6.9	3.6	6.9	3.6	6.9	3.6	6.9	3.6	6.9	3.6	7.0	3.7	7.1	3.8	7.3	3.9	7.5	4.1	7.7	4.2	7.8	4.3	7.8	4.3	7.7	4.3	7.6	4.2	7.5	4.1	7.4	4.0
SW	8.7	4.7	8.6	4.6	8.3	4.5	8.3	4.4	8.3	4.4	8.2	4.4	8.2	4.3	8.2	4.3	8.1	4.3	8.1	4.2	8.1	4.2	8.1	4.2	8.1	4.2	8.2	4.3	8.4	4.4	8.5	4.5	8.6	4.6	8.7	4.7	8.9	4.8	9.0	4.9	9.1	5.0	9.1	4.9	9.0	4.9	8.9	4.8
W	9.5	5.1	9.4	5.0	9.0	4.8	8.9	4.7	8.9	4.7	8.9	4.7	8.8	4.7	8.8	4.6	8.8	4.6	8.8	4.6	8.7	4.5	8.7	4.5	8.8	4.5	8.8	4.6	9.0	4.7	9.1	4.8	9.2	4.9	9.3	5.0	9.4	5.1	9.5	5.2	9.7	5.2	9.7	5.3	9.7	5.2	9.7	5.2
NW	8.0	4.3	8.0	4.3	7.5	4.0	7.5	4.0	7.4	4.0	7.4	3.9	7.4	3.9	7.3	3.9	7.3	3.9	7.3	3.8	7.3	3.8	7.3	3.8	7.3	3.8	7.4	3.9	7.5	4.0	7.6	4.1	7.8	4.2	7.9	4.3	7.9	4.4	8.0	4.4	8.0	4.4	8.1	4.4	8.1	4.4	8.1	4.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	5.8	3.2	5.1	2.8	5.0	2.8	4.9	2.7	4.8	2.6	4.8	2.5	4.6	2.3	4.5	2.3	4.5	2.2	4.4	2.2	4.4	2.1	4.5	2.2	4.8	2.4	5.3	2.7	5.5	3.0	5.9	3.4	6.2	3.7	6.4	3.8	6.5	3.9	6.5	3.9	6.5	3.9	6.3	3.7	6.1	3.5	5.9	3.4
NE	6.2	3.5	6.0	3.3	5.9	3.2	5.8	3.1	5.7	3.0	5.7	3.0	5.5	2.8	5.4	2.7	5.4	2.7	5.3	2.6	5.3	2.6	5.4	2.7	5.8	2.9	6.8	3.5	7.4	4.0	7.5	4.1	7.3	4.2	7.3	4.3	7.5	4.4	7.4	4.4	7.4	4.4	7.2	4.2	6.9	4.0	6.6	3.7
E	7.7	4.2	7.5	4.1	7.4	4.0	7.3	3.8	7.2	3.8	7.2	3.7	7.0	3.5	6.9	3.5	6.9	3.4	6.8	3.4	6.8	3.3	6.9	3.4	7.3	3.6	8.5	4.4	9.5	5.0	9.6	5.2	9.5	5.3	9.1	5.2	8.9	5.1	8.9	5.1	8.9	5.1	8.7	4.9	8.4	4.7	8.0	4.4
SE	7.7	4.2	7.5	4.1	7.4	4.0	7.3	3.8	7.2	3.8	7.1	3.7	7.0	3.5	6.9	3.5	6.9	3.4	6.8	3.4	6.8	3.3	6.9	3.4	7.2	3.6	8.2	4.2	9.1	4.8	9.6	5.2	9.7	5.4	9.6	5.4	9.2	5.3	8.9	5.1	8.9	5.1	8.7	4.9	8.4	4.7	8.0	4.4
S	7.0	3.9	6.8	3.7	6.7	3.6	6.6	3.5	6.5	3.4	6.5	3.4	6.3	3.2	6.2	3.1	6.2	3.1	6.1	3.0	6.1	3.0	6.2	3.0	6.5	3.2	6.9	3.6	7.4	4.0	8.1	4.5	8.6	4.8	8.9	5.1	9.0	5.1	8.8	5.1	8.5	4.9	8.1	4.7	7.7	4.4	7.3	4.1
SW	8.7	4.7	8.0	4.3	7.9	4.2	7.8	4.1	7.7	4.0	7.7	4.0	7.5	3.8	7.4	3.7	7.4	3.7	7.3	3.6	7.3	3.6	7.4	3.6	7.7	3.8	8.1	4.1	8.4	4.5	8.8	4.8	9.1	5.1	9.7	5.5	10.1	5.7	10.4	5.9	10.3	5.8	10.1	5.6	9.8	5.4	9.2	5.0
W	10.1	5.4	8.6	4.6	8.5	4.5	8.4	4.4	8.3	4.3	8.3	4.3	8.1	4.1	8.0	4.0	8.0	4.0	7.9	3.9	7.9	3.9	8.0	3.9	8.2	4.1	8.7	4.4	9.0	4.8	9.4	5.1	9.7	5.4	9.9	5.6	10.3	5.8	10.8	6.1	10.9	6.1	11.0	6.1	10.8	5.9	10.4	5.6
NW	8.6	4.7	7.2	3.9	7.1	3.8	7.0	3.7	6.9	3.6	6.9	3.6	6.7	3.4	6.6	3.3	6.6	3.3	6.5	3.2	6.5	3.2	6.6	3.2	6.9	3.4	7.3	3.8	7.6	4.1	8.0	4.4	8.3	4.7	8.5	4.9	8.6	5.0	8.8	5.0	9.0	5.2	9.1	5.2	9.1	5.1	8.8	4.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.6	3.1	5.5	3.1	5.3	2.9	5.3	2.9	5.2	2.9	5.2	2.8	5.2	2.8	5.1	2.8	5.1	2.7	5.1	2.7	5.1	2.7	5.1	2.7	5.1	2.7	5.2	2.8	5.3	2.9	5.4	3.0	5.6	3.1	5.7	3.2	5.7	3.3	5.8	3.3	5.8	3.3	5.7	3.3	5.7	3.2	5.6	3.2
NE	6.4	3.5	6.3	3.5	6.3	3.4	6.2	3.4	6.2	3.3	6.2	3.3	6.1	3.3	6.1	3.2	6.1	3.2	6.1	3.2	6.0	3.2	6.0	3.2	6.1	3.2	6.2	3.3	6.5	3.5	6.7	3.6	6.7	3.7	6.7	3.7	6.7	3.7	6.7	3.8	6.7	3.8	6.7	3.8	6.6	3.7	6.5	3.6
E	8.0	4.3	7.9	4.2	7.8	4.2	7.8	4.2	7.7	4.1	7.7	4.1	7.7	4.1	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.7	4.1	8.1	4.3	8.4	4.5	8.5	4.6	8.5	4.6	8.3	4.6	8.3	4.5	8.3	4.5	8.3	4.5	8.2	4.5	8.1	4.4
SE	8.0	4.3	7.9	4.2	7.8	4.2	7.8	4.2	7.7	4.1	7.7	4.1	7.7	4.1	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.6	4.0	7.7	4.0	8.0	4.2	8.3	4.4	8.5	4.6	8.5	4.6	8.5	4.6	8.4	4.6	8.3	4.5	8.3	4.5	8.2	4.5	8.1	4.4
S	7.3	4.0	7.2	3.9	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7	7.0	3.7	6.9	3.7	6.9	3.6	6.9	3.6	6.9	3.6	6.9	3.6	6.9	3.6	7.0	3.7	7.1	3.8	7.3	3.9	7.5	4.1	7.7	4.2	7.8	4.3	7.8	4.3	7.7	4.3	7.6	4.2	7.5	4.1	7.4	4.0
SW	8.7	4.7	8.6	4.6	8.3	4.5	8.3	4.4	8.3	4.4	8.2	4.4	8.2	4.3	8.2	4.3	8.1	4.3	8.1	4.2	8.1	4.2	8.1	4.2	8.1	4.2	8.2	4.3	8.4	4.4	8.5	4.5	8.6	4.6	8.7	4.7	8.9	4.8	9.0	4.9	9.1	5.0	9.1	4.9	9.0	4.9	8.9	4.8
W	9.5	5.1	9.4	5.0	9.0	4.8	8.9	4.7	8.9	4.7	8.9	4.7	8.8	4.7	8.8	4.6	8.8	4.6	8.8	4.6	8.7	4.5	8.7	4.5	8.8	4.5	8.8	4.6	9.0	4.7	9.1	4.8	9.2	4.9	9.3	5.0	9.4	5.1	9.5	5.2	9.7	5.2	9.7	5.3	9.7	5.2	9.7	5.2
NW	8.0	4.3	8.0	4.3	7.5	4.0	7.5	4.0	7.4	4.0	7.4	3.9	7.4	3.9	7.3	3.9	7.3	3.9	7.3	3.8	7.3	3.8	7.3	3.8	7.3	3.8	7.4	3.9	7.5	4.0	7.6	4.1	7.8	4.2	7.9	4.3	7.9	4.4	8.0	4.4	8.0	4.4	8.1	4.4	8.1	4.4	8.1	4.4
	R2 - 12cm Concrete+2 cm plaster																																															
R	3.1	-0.9	2.6	-1.4	1.4	-2.6	1.0	-3.1	0.5	-3.5	0.3	-3.7	0.0	-4.0	0.7	-3.6	4.0	-1.6	11.2	2.7	18.9	7.6	24.7	11.6	29.1	14.7	31.4	16.5	31.3	16.6	30.2	16.1	26.2	14.0	22.5	11.8	18.1	9.0	12.9	5.7	8.4	2.9	5.1	1.0	4.4	0.4	3.6	-0.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :HAKKARİ (37.34)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.9	5.9	7.8	5.8	7.7	5.7	7.6	5.6	7.5	5.5	7.3	5.2	7.2	5.1	7.1	5.0	7.0	4.9	6.9	4.9	6.9	4.9	7.5	5.2	8.2	5.7	8.7	6.0	9.2	6.5	9.7	6.8	10.0	7.1	10.1	7.2	10.1	7.3	10.0	7.2	9.8	7.1	9.4	6.9	8.9	6.6	8.2	6.1
NE	8.7	6.3	8.5	6.2	8.4	6.0	8.4	6.0	8.3	5.9	8.0	5.6	7.9	5.5	7.8	5.4	7.7	5.3	7.6	5.2	7.7	5.2	8.4	5.7	9.8	6.4	10.5	6.9	10.7	7.2	10.5	7.2	10.7	7.4	10.8	7.6	10.8	7.6	10.7	7.5	10.5	7.5	10.1	7.2	9.6	6.9	8.9	6.5
E	9.5	6.7	9.3	6.6	9.2	6.4	9.1	6.4	9.1	6.3	8.8	6.0	8.7	5.9	8.6	5.8	8.5	5.7	8.4	5.6	8.5	5.6	9.2	6.1	10.9	7.0	11.9	7.6	12.3	8.0	12.2	8.1	11.9	8.0	11.6	7.9	11.6	8.0	11.5	7.9	11.3	7.8	10.9	7.6	10.4	7.3	9.7	6.8
SE	9.4	6.7	9.3	6.5	9.2	6.4	9.1	6.4	9.0	6.3	8.8	6.0	8.7	5.9	8.5	5.8	8.5	5.7	8.4	5.6	8.4	5.6	9.1	6.0	10.5	6.8	11.5	7.5	12.2	7.9	12.5	8.2	12.4	8.3	12.0	8.2	11.6	8.0	11.5	7.9	11.3	7.8	10.9	7.6	10.3	7.3	9.6	6.8
S	9.2	6.6	9.1	6.4	9.0	6.3	8.9	6.3	8.8	6.2	8.5	5.9	8.5	5.8	8.3	5.7	8.2	5.6	8.2	5.5	8.2	5.5	8.8	5.8	9.4	6.3	10.2	6.8	11.1	7.4	11.7	7.8	12.2	8.2	12.4	8.4	12.3	8.3	11.8	8.1	11.3	7.8	10.7	7.5	10.1	7.2	9.4	6.7
SW	9.7	6.8	9.5	6.7	9.4	6.5	9.3	6.5	9.3	6.4	9.0	6.1	8.9	6.0	8.8	5.9	8.7	5.8	8.6	5.7	8.6	5.7	9.2	6.0	9.8	6.5	10.4	6.9	11.0	7.3	11.4	7.6	12.1	8.1	12.8	8.6	13.3	8.8	13.3	8.8	12.7	8.6	12.0	8.2	10.8	7.5	9.9	7.0
W	9.6	6.7	9.5	6.6	9.3	6.5	9.3	6.4	9.2	6.3	8.9	6.1	8.8	6.0	8.7	5.8	8.6	5.8	8.5	5.7	8.6	5.7	9.1	6.0	9.8	6.5	10.3	6.9	10.9	7.3	11.3	7.6	11.6	7.9	12.1	8.2	12.9	8.6	13.3	8.8	13.0	8.7	12.4	8.4	10.9	7.6	9.8	6.9
NW	8.7	6.3	8.6	6.2	8.5	6.1	8.4	6.0	8.3	5.9	8.0	5.6	8.0	5.5	7.8	5.4	7.7	5.3	7.7	5.2	7.7	5.3	8.3	5.6	8.9	6.0	9.5	6.4	10.0	6.8	10.5	7.2	10.8	7.5	10.9	7.6	11.1	7.7	11.5	8.0	11.5	8.0	11.2	7.8	10.0	7.1	9.0	6.5
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.3	6.0	8.2	6.0	8.2	5.9	8.2	5.9	8.1	5.9	8.1	5.9	8.0	5.8	8.0	5.7	7.9	5.7	7.9	5.7	7.9	5.6	7.9	5.6	8.1	5.8	8.3	5.9	8.5	6.0	8.6	6.2	8.8	6.3	8.9	6.3	8.9	6.4	8.9	6.4	8.9	6.4	8.8	6.4	8.7	6.3	8.5	6.2
NE	9.1	6.4	9.0	6.4	9.0	6.3	8.9	6.3	8.9	6.3	8.9	6.2	8.8	6.2	8.8	6.1	8.7	6.1	8.7	6.1	8.7	6.0	8.7	6.0	8.9	6.2	9.4	6.4	9.6	6.6	9.7	6.7	9.6	6.7	9.7	6.7	9.7	6.8	9.7	6.8	9.7	6.8	9.6	6.8	9.5	6.7	9.3	6.6
E	10.0	6.9	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.7	6.6	9.7	6.6	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.8	6.6	10.4	6.9	10.7	7.1	10.8	7.2	10.8	7.3	10.7	7.2	10.6	7.2	10.6	7.2	10.6	7.2	10.5	7.2	10.4	7.1	10.2	7.0
SE	10.0	6.9	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.7	6.6	9.6	6.6	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.8	6.6	10.2	6.9	10.6	7.1	10.8	7.2	10.9	7.3	10.9	7.3	10.7	7.3	10.6	7.2	10.6	7.2	10.5	7.2	10.4	7.1	10.2	7.0
S	9.7	6.7	9.7	6.7	9.6	6.7	9.6	6.6	9.6	6.6	9.5	6.6	9.4	6.5	9.4	6.4	9.4	6.4	9.3	6.4	9.3	6.3	9.3	6.3	9.5	6.5	9.7	6.6	10.0	6.8	10.2	6.9	10.5	7.1	10.6	7.2	10.7	7.3	10.6	7.3	10.5	7.2	10.3	7.1	10.1	7.0	9.9	6.9
SW	10.2	7.0	10.1	6.9	10.1	6.9	10.1	6.8	10.0	6.8	10.0	6.8	9.9	6.7	9.9	6.7	9.8	6.6	9.8	6.6	9.8	6.6	9.8	6.6	10.0	6.7	10.2	6.8	10.4	7.0	10.5	7.1	10.7	7.2	10.9	7.4	11.1	7.5	11.3	7.6	11.3	7.6	11.1	7.5	10.9	7.4	10.5	7.2
W	10.1	6.9	10.0	6.9	10.0	6.8	10.0	6.8	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.6	9.8	6.6	9.7	6.6	9.7	6.5	9.7	6.5	9.9	6.6	10.1	6.8	10.3	6.9	10.5	7.1	10.6	7.2	10.7	7.2	10.9	7.4	11.1	7.5	11.2	7.6	11.1	7.5	10.9	7.4	10.5	7.2
NW	9.2	6.5	9.1	6.4	9.1	6.4	9.0	6.3	9.0	6.3	9.0	6.3	8.9	6.2	8.9	6.2	8.8	6.1	8.8	6.1	8.8	6.1	8.8	6.1	9.0	6.2	9.2	6.3	9.3	6.5	9.5	6.6	9.7	6.7	9.8	6.8	9.8	6.8	9.9	6.9	10.0	6.9	10.0	6.9	9.9	6.9	9.5	6.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.3	6.0	8.2	6.0	8.1	5.9	8.1	5.9	8.1	5.8	8.0	5.8	7.9	5.7	7.8	5.6	7.8	5.6	7.8	5.5	7.7	5.5	7.7	5.5	8.0	5.7	8.3	5.9	8.5	6.0	8.8	6.2	8.9	6.3	9.1	6.5	9.1	6.5	9.1	6.6	9.1	6.5	9.0	6.5	8.8	6.4	8.6	6.3
NE	9.1	6.4	9.0	6.4	8.9	6.3	8.9	6.3	8.8	6.2	8.8	6.2	8.7	6.1	8.6	6.0	8.6	6.0	8.5	5.9	8.5	5.9	8.5	5.9	8.9	6.1	9.4	6.4	9.7	6.6	9.8	6.7	9.8	6.8	9.8	6.9	9.9	6.9	9.9	6.9	9.8	6.9	9.8	6.9	9.6	6.8	9.4	6.6
E	9.9	6.9	9.8	6.8	9.8	6.7	9.7	6.7	9.7	6.7	9.7	6.6	9.5	6.5	9.5	6.5	9.4	6.4	9.4	6.4	9.4	6.3	9.4	6.3	9.7	6.5	10.5	6.9	10.9	7.2	11.1	7.4	11.0	7.4	10.9	7.4	10.8	7.3	10.8	7.4	10.7	7.3	10.6	7.3	10.5	7.2	10.2	7.1
SE	9.9	6.9	9.8	6.8	9.8	6.7	9.7	6.7	9.7	6.7	9.6	6.6	9.5	6.5	9.5	6.4	9.4	6.4	9.4	6.4	9.4	6.3	9.4	6.3	9.7	6.5	10.3	6.8	10.7	7.1	11.0	7.3	11.1	7.4	11.1	7.5	11.0	7.4	10.8	7.4	10.7	7.3	10.6	7.3	10.4	7.2	10.2	7.1
S	9.7	6.7	9.6	6.7	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.5	9.3	6.4	9.2	6.3	9.2	6.3	9.2	6.2	9.1	6.2	9.1	6.2	9.4	6.4	9.7	6.5	10.0	6.8	10.4	7.0	10.7	7.2	10.9	7.4	11.0	7.4	10.9	7.4	10.7	7.4	10.5	7.2	10.2	7.1	10.0	6.9
SW	10.1	7.0	10.0	6.9	10.0	6.8	9.9	6.8	9.9	6.8	9.9	6.7	9.7	6.6	9.7	6.6	9.7	6.5	9.6	6.5	9.6	6.4	9.6	6.4	9.8	6.6	10.1	6.8	10.4	7.0	10.6	7.1	10.8	7.3	11.1	7.5	11.4	7.7	11.6	7.8	11.6	7.8	11.4	7.7	11.1	7.5	10.6	7.2
W	10.1	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.7	6.6	9.6	6.5	9.6	6.5	9.5	6.4	9.5	6.4	9.5	6.4	9.8	6.5	10.1	6.7	10.3	6.9	10.5	7.1	10.7	7.2	10.8	7.4	11.1	7.5	11.4	7.7	11.6	7.8	11.4	7.7	11.2	7.6	10.6	7.2
NW	9.1	6.5	9.0	6.4	9.0	6.3	8.9	6.3	8.9	6.3	8.9	6.2	8.7	6.1	8.7	6.1	8.7	6.0	8.6	6.0	8.6	5.9	8.6	5.9	8.8	6.1	9.1	6.3	9.4	6.5	9.6	6.6	9.8	6.8	9.9	6.9	10.0	7.0	10.1	7.0	10.3	7.1	10.3	7.1	10.1	7.0	9.6	6.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.3	6.1	8.1	6.0	8.1	5.9	8.0	5.8	8.0	5.8	7.9	5.8	7.8	5.6	7.7	5.6	7.7	5.5	7.6	5.4	7.6	5.4	7.6	5.4	7.9	5.6	8.3	5.8	8.5	6.0	8.8	6.2	9.0	6.4	9.2	6.6	9.3	6.6	9.3	6.7	9.2	6.6	9.1	6.6	8.9	6.5	8.7	6.3
NE	9.0	6.4	8.9	6.3	8.9	6.3	8.8	6.2	8.8	6.2	8.7	6.1	8.6	6.0	8.5	5.9	8.5	5.9	8.4	5.8	8.4	5.8	8.4	5.8	8.8	6.0	9.5	6.4	9.9	6.7	10.0	6.8	9.9	6.8	10.0	6.9	10.0	7.0	10.1	7.0	10.0	7.0	9.9	7.0	9.7	6.8	9.4	6.7
E	9.9	6.9	9.8	6.8	9.7	6.7	9.6	6.6	9.6	6.6	9.6	6.6	9.4	6.4	9.4	6.4	9.3	6.3	9.3	6.3	9.2	6.2	9.3	6.2	9.7	6.5	10.5	6.9	11.0	7.3	11.2	7.4	11.2	7.5	11.0	7.5	10.9	7.4	10.9	7.5	10.8	7.4	10.7	7.4	10.5	7.3	10.2	7.1
SE	9.9	6.9	9.8	6.8	9.7	6.7	9.6	6.6	9.6	6.6	9.6	6.6	9.4	6.4	9.4	6.4	9.3	6.3	9.2	6.3	9.2	6.2	9.2	6.2	9.6	6.4	10.3	6.8	10.9	7.2	11.2	7.4	11.3	7.6	11.3	7.6	11.1	7.6	10.9	7.5	10.8	7.4	10.7	7.4	10.5	7.3	10.2	7.1
S	9.6	6.7	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.5	9.3	6.4	9.2	6.3	9.1	6.2	9.1	6.2	9.0	6.1	9.0	6.1	9.0	6.1	9.3	6.3	9.6	6.5	10.0	6.8	10.5	7.1	10.8	7.3	11.1	7.5	11.2	7.6	11.1	7.6	10.9	7.5	10.6	7.3	10.3	7.1	10.0	7.0
SW	10.1	7.0	10.0	6.9	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.6	6.5	9.6	6.5	9.5	6.4	9.5	6.4	9.4	6.3	9.5	6.3	9.7	6.5	10.1	6.7	10.4	6.9	10.7	7.2	10.9	7.3	11.3	7.6	11.6	7.8	11.9	8.0	11.9	8.0	11.6	7.8	11.2	7.6	10.6	7.3
W	10.0	6.9	9.9	6.8	9.8	6.8	9.8	6.7	9.7	6.7	9.7	6.6	9.5	6.5	9.5	6.4	9.4	6.4	9.4	6.3	9.3	6.3	9.4	6.3	9.7	6.5	10.0	6.7	10.3	6.9	10.6	7.1	10.8	7.3	11.0	7.4	11.2	7.6	11.6	7.8	11.8	7.9	11.7	7.9	11.4	7.7	10.6	7.3
NW	9.1	6.5	9.0	6.4	8.9	6.3	8.9	6.3	8.8	6.2	8.8	6.2	8.6	6.0	8.6	6.0	8.5	5.9	8.5	5.9	8.4	5.8	8.5	5.8	8.8	6.0	9.1	6.2	9.4	6.5	9.7	6.7	9.9	6.8	10.1	7.0	10.1	7.0	10.2	7.1	10.4	7.2	10.4	7.2	10.3	7.1	9.7	6.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.0	5.9	12.0	5.9	11.9	5.8	11.9	5.8	11.9	5.8	11.8	5.7	11.8	5.7	11.7	5.7	11.7	5.6	11.7	5.6	11.7	5.6	12.0	5.8	12.4	6.0	12.8	6.3	13.2	6.5	13.5	6.6	13.6	6.8	13.7	6.8	13.6	6.8	13.4	6.7	13.1	6.5	12.8	6.4	12.4	6.2	12.1	6.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :HAKKARİ (37.34)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																								
N	7.9	5.9	7.8	5.8	7.7	5.7	7.6	5.6	7.5	5.5	7.3	5.2	7.2	5.1	7.1	5.0	7.0	4.9	6.9	4.9	6.9	4.9	7.5	5.2
NE	8.7	6.3	8.5	6.2	8.4	6.0	8.4	6.0	8.3	5.9	8.0	5.6	7.9	5.5	7.8	5.4	7.7	5.3	7.6	5.2	7.7	5.2	8.4	5.7
E	9.5	6.7	9.3	6.6	9.2	6.4	9.1	6.4	9.1	6.3	8.8	6.0	8.7	5.9	8.6	5.8	8.5	5.7	8.4	5.6	8.5	5.6	9.2	6.1
SE	9.4	6.7	9.3	6.5	9.2	6.4	9.1	6.4	9.0	6.3	8.8	6.0	8.7	5.9	8.5	5.8	8.5	5.7	8.4	5.6	8.4	5.6	9.1	6.0
S	9.2	6.6	9.1	6.4	9.0	6.3	8.9	6.3	8.8	6.2	8.5	5.9	8.5	5.8	8.3	5.7	8.2	5.6	8.2	5.5	8.2	5.5	8.8	5.8
SW	9.7	6.8	9.5	6.7	9.4	6.5	9.3	6.5	9.3	6.4	9.0	6.1	8.9	6.0	8.8	5.9	8.7	5.8	8.6	5.7	8.6	5.7	9.2	6.0
W	9.6	6.7	9.5	6.6	9.3	6.5	9.3	6.4	9.2	6.3	8.9	6.1	8.8	6.0	8.7	5.8	8.6	5.8	8.5	5.7	8.6	5.7	9.1	6.0
NW	8.7	6.3	8.6	6.2	8.5	6.1	8.4	6.0	8.3	5.9	8.0	5.6	8.0	5.5	7.8	5.4	7.7	5.3	7.7	5.2	7.7	5.3	8.3	5.6
W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	8.5	6.1	8.3	6.0	8.3	6.0	8.3	6.0	8.3	6.0	8.3	5.9	8.2	5.9	8.2	5.9	8.2	5.9	8.2	5.9	8.1	5.8	8.1	5.8
NE	9.3	6.5	9.1	6.4	9.1	6.4	9.1	6.4	9.1	6.4	9.1	6.3	9.0	6.3	9.0	6.3	9.0	6.3	9.0	6.3	9.0	6.2	8.9	6.2
E	10.2	6.9	10.0	6.9	10.0	6.8	10.0	6.8	10.0	6.8	10.0	6.8	9.9	6.8	9.9	6.7	9.9	6.7	9.9	6.7	9.9	6.7	9.8	6.7
SE	10.2	6.9	10.0	6.9	10.0	6.8	10.0	6.8	10.0	6.8	10.0	6.8	9.9	6.8	9.9	6.7	9.9	6.7	9.9	6.7	9.9	6.7	9.8	6.7
S	9.9	6.8	9.8	6.7	9.8	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.6	6.6	9.6	6.6	9.6	6.6	9.6	6.6	9.6	6.6
SW	10.4	7.1	10.3	7.0	10.2	7.0	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.1	6.9	10.1	6.8	10.1	6.8	10.1	6.8	10.1	6.8
W	10.4	7.1	10.2	6.9	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.0	6.8	10.0	6.8	10.0	6.8	10.0	6.8	10.0	6.8
NW	9.4	6.6	9.2	6.5	9.2	6.4	9.2	6.4	9.2	6.4	9.1	6.4	9.1	6.4	9.1	6.3	9.1	6.3	9.1	6.3	9.0	6.3	9.0	6.3
W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																								
N	8.2	6.0	8.1	5.9	8.0	5.9	8.0	5.8	8.0	5.8	7.8	5.6	7.8	5.6	7.7	5.5	7.7	5.5	7.6	5.4	7.7	5.5	8.0	5.6
NE	8.9	6.4	8.9	6.3	8.8	6.2	8.8	6.2	8.7	6.2	8.6	6.0	8.6	6.0	8.5	5.9	8.5	5.9	8.4	5.8	8.5	5.8	8.8	6.1
E	9.8	6.8	9.7	6.7	9.7	6.7	9.6	6.6	9.6	6.6	9.5	6.4	9.4	6.4	9.4	6.3	9.3	6.3	9.3	6.3	9.3	6.3	9.7	6.5
SE	9.8	6.8	9.7	6.7	9.7	6.7	9.6	6.6	9.6	6.6	9.5	6.4	9.4	6.4	9.4	6.3	9.3	6.3	9.3	6.3	9.3	6.3	9.6	6.5
S	9.5	6.7	9.5	6.6	9.4	6.5	9.4	6.5	9.4	6.5	9.2	6.3	9.2	6.3	9.1	6.2	9.1	6.2	9.0	6.1	9.1	6.1	9.3	6.3
SW	10.0	6.9	10.0	6.8	9.9	6.8	9.9	6.7	9.8	6.7	9.7	6.6	9.6	6.5	9.6	6.5	9.5	6.4	9.5	6.4	9.5	6.4	9.8	6.5
W	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.7	6.7	9.6	6.5	9.6	6.5	9.5	6.4	9.4	6.4	9.4	6.3	9.4	6.3	9.7	6.5
NW	9.0	6.4	9.0	6.3	8.9	6.3	8.9	6.2	8.8	6.2	8.7	6.1	8.6	6.0	8.6	6.0	8.5	5.9	8.5	5.9	8.5	5.9	8.8	6.0
W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	8.4	6.1	8.3	6.0	8.3	6.0	8.3	6.0	8.3	6.0	8.3	6.0	8.3	5.9	8.2	5.9	8.2	5.9	8.2	5.9	8.2	5.9	8.2	5.9
NE	9.2	6.5	9.2	6.4	9.1	6.4	9.1	6.4	9.1	6.4	9.1	6.4	9.1	6.4	9.0	6.3	9.0	6.3	9.0	6.3	9.0	6.3	9.0	6.3
E	10.1	6.9	10.1	6.9	10.0	6.9	10.0	6.8	10.0	6.8	10.0	6.8	10.0	6.8	9.9	6.8	9.9	6.8	9.9	6.7	9.9	6.7	9.9	6.7
SE	10.1	6.9	10.1	6.9	10.0	6.9	10.0	6.8	10.0	6.8	10.0	6.8	10.0	6.8	9.9	6.8	9.9	6.8	9.9	6.7	9.9	6.7	9.9	6.7
S	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.7	6.6	9.7	6.6	9.7	6.6	9.6	6.6	9.6	6.6
SW	10.4	7.1	10.3	7.0	10.3	7.0	10.2	7.0	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.1	6.9	10.1	6.8	10.1	6.8
W	10.3	7.0	10.2	7.0	10.2	6.9	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.1	6.8	10.1	6.8	10.1	6.8	10.0	6.8	10.0	6.8
NW	9.4	6.5	9.2	6.5	9.2	6.4	9.2	6.4	9.2	6.4	9.2	6.4	9.2	6.4	9.1	6.4	9.1	6.3	9.1	6.3	9.1	6.3	9.1	6.3
R2 - 12cm Concrete+2 cm plaster																								
R	6.1	2.8	5.8	2.5	4.8	1.5	4.5	1.2	4.1	0.8	3.8	0.5	3.5	0.2	3.9	0.4	7.0	2.1	12.0	5.0	16.9	7.9	21.1	10.4

Hours 13–24

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																								
N	8.2	5.7	8.7	6.0	9.2	6.5	9.7	6.8	10.0	7.1	10.1	7.2	10.1	7.3	10.0	7.2	9.8	7.1	9.4	6.9	8.9	6.6	8.2	6.1
NE	9.8	6.4	10.5	6.9	10.7	7.2	10.5	7.2	10.7	7.4	10.8	7.6	10.8	7.6	10.7	7.5	10.5	7.5	10.1	7.2	9.6	6.9	8.9	6.5
E	10.9	7.0	11.9	7.6	12.3	8.0	12.2	8.1	11.9	8.0	11.6	7.9	11.6	8.0	11.5	7.9	11.3	7.8	10.9	7.6	10.4	7.3	9.7	6.8
SE	10.5	6.8	11.5	7.5	12.2	7.9	12.5	8.2	12.4	8.3	12.0	8.2	11.6	8.0	11.5	7.9	11.3	7.8	10.9	7.6	10.3	7.3	9.6	6.8
S	9.4	6.3	10.2	6.8	11.1	7.4	11.7	7.8	12.2	8.2	12.4	8.4	12.3	8.3	11.8	8.1	11.3	7.8	10.7	7.5	10.1	7.2	9.4	6.7
SW	9.8	6.5	10.4	6.9	11.0	7.3	11.4	7.6	12.1	8.1	12.8	8.6	13.3	8.8	13.3	8.8	12.7	8.6	12.0	8.2	10.8	7.5	9.9	7.0
W	9.8	6.5	10.3	6.9	10.9	7.3	11.3	7.6	11.6	7.9	12.1	8.2	12.9	8.6	13.3	8.8	13.0	8.7	12.4	8.4	10.9	7.6	9.8	6.9
NW	8.9	6.0	9.5	6.4	10.0	6.8	10.5	7.2	10.8	7.5	10.9	7.6	11.1	7.7	11.5	8.0	11.5	8.0	11.2	7.8	10.0	7.1	9.0	6.5
W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	8.1	5.8	8.2	5.9	8.3	6.0	8.4	6.0	8.5	6.1	8.6	6.1	8.6	6.2	8.6	6.2	8.6	6.2	8.6	6.2	8.6	6.2	8.5	6.1
NE	9.0	6.2	9.1	6.3	9.3	6.4	9.4	6.5	9.4	6.5	9.4	6.5	9.4	6.6	9.4	6.6	9.5	6.6	9.4	6.6	9.4	6.6	9.3	6.5
E	9.9	6.7	10.0	6.8	10.2	6.9	10.4	7.0	10.5	7.1	10.4	7.1	10.4	7.1	10.4	7.0	10.4	7.1	10.3	7.0	10.3	7.0	10.2	7.0
SE	9.9	6.7	10.0	6.7	10.2	6.9	10.3	7.0	10.4	7.0	10.5	7.1	10.5	7.1	10.4	7.1	10.4	7.1	10.3	7.0	10.3	7.0	10.2	7.0
S	9.6	6.6	9.7	6.6	9.8	6.7	9.9	6.8	10.0	6.8	10.2	6.9	10.2	7.0	10.3	7.0	10.2	7.0	10.2	7.0	10.1	6.9	10.0	6.9
SW	10.1	6.8	10.2	6.8	10.3	6.9	10.4	7.0	10.4	7.0	10.5	7.1	10.6	7.2	10.7	7.2	10.8	7.3	10.8	7.3	10.7	7.2	10.6	7.2
W	10.0	6.8	10.1	6.8	10.2	6.9	10.3	6.9	10.4	7.0	10.4	7.1	10.5	7.1	10.6	7.2	10.7	7.2	10.7	7.2	10.7	7.2	10.6	7.2
NW	9.0	6.3	9.1	6.3	9.2	6.4	9.3	6.5	9.4	6.5	9.5	6.6	9.5	6.6	9.5	6.6	9.6	6.7	9.6	6.7	9.6	6.7	9.6	6.7
W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																								
N	8.3	5.8	8.5	6.0	8.8	6.2	9.0	6.4	9.1	6.5	9.2	6.6	9.2	6.6	9.1	6.6	9.0	6.5	8.9	6.4	8.6	6.3	8.3	6.1
NE	9.5	6.4	9.8	6.7	9.9	6.8	9.8	6.8	9.9	6.9	10.0	7.0	10.0	7.0	9.9	7.0	9.8	6.9	9.6	6.8	9.4	6.7	9.0	6.4
E	10.5	6.9	11.0	7.2	11.2	7.4	11.1	7.5	11.0	7.4	10.8	7.4	10.9	7.4	10.8	7.4	10.7	7.4	10.5	7.2	10.2	7.1	9.9	6.9
SE	10.3	6.8	10.8	7.2	11.1	7.4	11.3	7.5	11.2	7.6	11.1	7.5	10.8	7.4	10.8	7.4	10.7	7.3	10.5	7.2	10.2	7.1	9.9	6.9
S	9.6	6.5	10.0	6.8	10.4	7.0	10.8	7.3	11.0	7.5	11.1	7.5	11.0	7.5	10.8	7.4	10.5	7.3	10.2	7.1	10.0	7.0	9.7	6.7
SW	10.1	6.7	10.4	6.9	10.6	7.1	10.8	7.3	11.2	7.5	11.5	7.8	11.8	7.9	11.8	7.9	11.5	7.8	11.2	7.6	10.6	7.3	10.1	7.0
W	10.0	6.7	10.3	6.9	10.6	7.1	10.8	7.3	10.9	7.4	11.2	7.6	11.5	7.8	11.7	7.9	11.6	7.8	11.3	7.6	10.6	7.3	10.1	6.9
NW	9.1	6.3	9.4	6.5	9.6	6.6	9.8	6.8	10.0	6.9	10.1	7.0	10.2	7.1	10.4	7.2	10.4	7.2	10.2	7.1	9.6	6.8	9.1	6.5
W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	8.2	5.9	8.3	5.9	8.3	6.0	8.4	6.0	8.5	6.1	8.5	6.1	8.6	6.1	8.6	6.2	8.6	6.2	8.6	6.2	8.5	6.1	8.5	6.1
NE	9.0	6.3	9.1	6.3	9.3	6.4	9.4	6.5	9.4	6.5	9.4	6.5	9.4	6.5	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.3	6.5
E	9.9	6.7	10.0	6.8	10.2	6.9	10.3	7.0	10.4	7.0	10.4	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.2	7.0
SE	9.9	6.7	10.0	6.8	10.2	6.9	10.3	7.0	10.4	7.0	10.4	7.0	10.4	7.1	10.4	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.2	7.0
S	9.6	6.6	9.7	6.6	9.8	6.7	9.9	6.8	10.0	6.8	10.1	6.9	10.2	6.9	10.2	7.0	10.2	7.0	10.1	6.9	10.0	6.9	10.0	6.8
SW	10.1	6.8	10.2	6.9	10.3	6.9	10.4	7.0	10.4	7.0	10.5	7.1	10.6	7.1	10.7	7.2	10.7	7.2	10.7	7.2	10.7	7.2	10.6	7.1
W	10.0	6.8	10.1	6.8	10.2	6.9	10.3	6.9	10.3	7.0	10.4	7.0	10.4	7.1	10.5	7.1	10.6	7.2	10.6	7.2	10.6	7.2	10.5	7.1
NW	9.1	6.3	9.1	6.4	9.2	6.4	9.3	6.5	9.4	6.5	9.4	6.6	9.5	6.6	9.5	6.6	9.5	6.6	9.6	6.7	9.6	6.7	9.5	6.6
R2 - 12cm Concrete+2 cm plaster																								
R	24.2	12.4	26.4	13.9	27.2	14.6	26.4	14.4	24.1	13.2	20.2	11.3	16.4	9.3	11.9	6.9	8.1	4.6	7.2	3.9	6.8	3.5	6.4	3.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :HATAY (36.52)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.4	7.2	9.3	7.2	9.2	7.1	9.2	7.0	9.1	7.0	9.1	6.9	9.0	6.9	9.0	6.8	8.9	6.8	8.9	6.8	9.0	6.8	9.6	7.1	10.2	7.5	10.5	7.7	10.9	8.0	11.2	8.2	11.4	8.4	11.6	8.5	11.6	8.6	11.5	8.6	11.1	8.3	10.6	8.0	10.3	7.8	10.0	7.6
NE	10.1	7.6	10.0	7.5	9.9	7.4	9.8	7.4	9.8	7.3	9.7	7.3	9.7	7.2	9.7	7.2	9.6	7.1	9.6	7.1	9.7	7.1	10.5	7.6	11.7	8.2	12.3	8.6	12.4	8.7	12.3	8.7	12.1	8.7	12.3	8.9	12.3	8.9	12.2	8.9	11.8	8.7	11.3	8.3	10.8	8.0	10.3	7.7
E	10.8	7.9	10.7	7.9	10.6	7.8	10.6	7.7	10.5	7.7	10.5	7.6	10.4	7.6	10.4	7.5	10.3	7.5	10.3	7.5	10.4	7.5	11.2	8.0	12.6	8.7	13.5	9.2	13.8	9.4	13.7	9.4	13.4	9.3	13.0	9.2	13.0	9.3	12.9	9.3	12.5	9.0	12.0	8.7	11.5	8.4	11.0	8.0
SE	10.8	7.9	10.7	7.9	10.6	7.8	10.6	7.7	10.5	7.7	10.5	7.6	10.4	7.6	10.4	7.5	10.4	7.5	10.3	7.5	10.4	7.5	11.1	7.9	12.2	8.5	13.1	9.0	13.6	9.3	13.8	9.5	13.7	9.5	13.6	9.5	13.1	9.3	12.9	9.3	12.5	9.0	12.0	8.7	11.5	8.4	11.0	8.1
S	10.3	7.7	10.2	7.6	10.2	7.6	10.1	7.5	10.0	7.4	10.0	7.4	9.9	7.3	9.9	7.3	9.9	7.3	9.8	7.2	10.0	7.3	10.4	7.5	11.0	7.9	11.5	8.2	12.2	8.6	12.7	8.9	13.0	9.2	13.3	9.4	13.3	9.4	13.0	9.4	12.4	9.0	11.6	8.5	11.0	8.1	10.5	7.8
SW	11.2	8.2	11.2	8.1	11.1	8.0	11.0	7.9	11.0	7.9	10.9	7.8	10.9	7.8	10.8	7.8	10.8	7.7	10.7	7.7	11.1	7.8	11.3	8.0	11.9	8.3	12.4	8.7	12.8	8.9	13.1	9.1	13.4	9.3	14.0	9.7	14.4	10.0	14.6	10.2	14.4	10.0	13.9	9.6	13.0	9.1	12.2	8.7
W	11.5	8.3	11.4	8.2	11.3	8.1	11.3	8.1	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.1	7.9	11.0	7.8	11.3	8.0	11.6	8.1	12.2	8.5	12.6	8.8	13.0	9.0	13.3	9.3	13.5	9.4	13.7	9.6	14.3	10.0	14.8	10.2	14.9	10.2	14.6	10.0	13.9	9.6	13.3	9.2
NW	10.6	7.8	10.5	7.8	10.4	7.7	10.4	7.6	10.3	7.6	10.3	7.5	10.2	7.5	10.2	7.4	10.2	7.4	10.1	7.4	10.3	7.4	10.7	7.7	11.3	8.0	11.7	8.3	12.1	8.6	12.4	8.8	12.6	9.0	12.8	9.1	12.8	9.2	13.1	9.4	13.2	9.4	13.1	9.2	12.6	8.9	12.2	8.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	10.0	7.5	9.8	7.4	9.8	7.4	9.8	7.4	9.7	7.4	9.7	7.3	9.7	7.3	9.7	7.3	9.7	7.3	9.7	7.3	9.7	7.3	9.7	7.3	9.9	7.4	10.1	7.5	10.2	7.6	10.3	7.7	10.4	7.7	10.5	7.8	10.5	7.9	10.5	7.9	10.5	7.9	10.4	7.8	10.2	7.7	10.1	7.6
NE	10.6	7.9	10.6	7.8	10.6	7.8	10.5	7.8	10.5	7.7	10.5	7.7	10.5	7.7	10.5	7.7	10.5	7.7	10.4	7.7	10.4	7.7	10.4	7.7	10.7	7.8	11.1	8.0	11.3	8.2	11.3	8.2	11.3	8.2	11.2	8.2	11.3	8.2	11.3	8.3	11.3	8.3	11.1	8.2	11.0	8.1	10.8	8.0
E	11.4	8.2	11.4	8.2	11.3	8.2	11.3	8.2	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.5	8.2	12.0	8.5	12.2	8.6	12.3	8.7	12.3	8.7	12.2	8.7	12.1	8.6	12.1	8.6	12.0	8.6	11.9	8.6	11.8	8.4	11.6	8.3
SE	11.4	8.2	11.4	8.2	11.3	8.2	11.3	8.2	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.5	8.2	11.8	8.4	12.1	8.6	12.3	8.7	12.3	8.7	12.3	8.7	12.3	8.7	12.1	8.7	12.0	8.6	11.9	8.6	11.8	8.4	11.6	8.3
S	10.9	8.0	10.8	7.9	10.8	7.9	10.8	7.9	10.8	7.9	10.8	7.9	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.9	7.9	11.1	8.0	11.2	8.1	11.4	8.2	11.6	8.3	11.7	8.4	11.8	8.5	11.8	8.5	11.7	8.5	11.5	8.4	11.2	8.2	11.1	8.1
SW	12.2	8.6	11.9	8.5	11.8	8.4	11.8	8.4	11.8	8.4	11.8	8.4	11.8	8.4	11.7	8.3	11.7	8.3	11.7	8.3	11.7	8.3	11.8	8.4	11.9	8.4	12.1	8.5	12.2	8.6	12.4	8.7	12.5	8.8	12.6	8.8	12.8	9.0	12.9	9.0	13.0	9.1	12.9	9.0	12.7	8.9	12.4	8.8
W	12.7	8.9	12.2	8.6	12.1	8.6	12.1	8.6	12.1	8.5	12.1	8.5	12.1	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.1	8.5	12.2	8.6	12.4	8.7	12.5	8.8	12.6	8.8	12.7	8.9	12.8	9.0	12.9	9.0	13.1	9.1	13.2	9.2	13.3	9.2	13.2	9.2	12.9	9.0
NW	11.7	8.4	11.2	8.1	11.1	8.1	11.1	8.1	11.1	8.0	11.1	8.0	11.1	8.0	11.0	8.0	11.0	8.0	11.0	8.0	11.0	8.0	11.1	8.0	11.2	8.1	11.4	8.2	11.5	8.3	11.6	8.3	11.7	8.4	11.8	8.5	11.9	8.5	11.9	8.5	12.0	8.6	12.0	8.6	12.0	8.6	11.8	8.5
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	10.0	7.5	9.7	7.4	9.7	7.4	9.7	7.3	9.6	7.3	9.6	7.3	9.6	7.3	9.6	7.2	9.6	7.2	9.6	7.2	9.5	7.2	9.6	7.2	9.8	7.4	10.1	7.5	10.2	7.6	10.4	7.7	10.5	7.8	10.6	7.9	10.7	8.0	10.7	8.0	10.7	8.0	10.5	7.9	10.3	7.7	10.1	7.6
NE	10.6	7.8	10.5	7.8	10.5	7.7	10.4	7.7	10.4	7.7	10.4	7.7	10.4	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.7	7.8	11.2	8.1	11.5	8.2	11.5	8.3	11.5	8.3	11.4	8.3	11.5	8.3	11.5	8.4	11.4	8.4	11.2	8.3	11.0	8.1	10.8	8.0
E	11.4	8.2	11.3	8.2	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.5	8.2	12.1	8.5	12.5	8.7	12.6	8.8	12.5	8.8	12.4	8.8	12.2	8.7	12.2	8.8	12.2	8.8	12.0	8.6	11.8	8.5	11.6	8.3
SE	11.4	8.2	11.3	8.2	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.4	8.1	11.9	8.4	12.3	8.6	12.5	8.8	12.6	8.8	12.6	8.9	12.5	8.9	12.3	8.8	12.2	8.8	12.0	8.6	11.8	8.5	11.6	8.3
S	10.8	8.0	10.8	7.9	10.7	7.9	10.7	7.8	10.7	7.8	10.6	7.8	10.6	7.8	10.6	7.7	10.6	7.7	10.6	7.7	10.5	7.7	10.6	7.7	10.8	7.8	11.0	8.0	11.3	8.1	11.6	8.3	11.8	8.4	11.9	8.5	12.1	8.6	12.0	8.7	11.9	8.6	11.7	8.5	11.3	8.2	11.1	8.1
SW	12.2	8.6	11.8	8.4	11.7	8.4	11.7	8.3	11.7	8.3	11.6	8.3	11.6	8.3	11.6	8.3	11.6	8.2	11.6	8.2	11.5	8.2	11.7	8.3	11.8	8.3	12.0	8.5	12.3	8.6	12.4	8.7	12.6	8.8	12.7	8.9	13.0	9.1	13.1	9.2	13.2	9.3	13.1	9.2	12.9	9.0	12.5	8.8
W	12.8	8.9	12.0	8.6	12.0	8.5	12.0	8.5	11.9	8.5	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.9	8.4	11.8	8.3	12.0	8.4	12.1	8.5	12.3	8.6	12.5	8.8	12.7	8.9	12.8	9.0	12.9	9.0	13.0	9.1	13.3	9.3	13.5	9.4	13.5	9.4	13.4	9.3	13.1	9.1
NW	11.8	8.4	11.1	8.1	11.0	8.0	11.0	8.0	11.0	8.0	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	11.1	8.0	11.3	8.1	11.6	8.3	11.7	8.4	11.9	8.5	12.0	8.6	12.0	8.6	12.0	8.6	12.2	8.7	12.2	8.7	12.2	8.7	12.0	8.5
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	10.0	7.5	9.7	7.4	9.6	7.3	9.6	7.3	9.6	7.3	9.5	7.2	9.5	7.2	9.5	7.2	9.5	7.2	9.5	7.2	9.4	7.1	9.5	7.1	9.8	7.3	10.1	7.5	10.3	7.6	10.5	7.8	10.6	7.9	10.8	8.0	10.8	8.1	10.8	8.1	10.8	8.1	10.6	7.9	10.3	7.8	10.2	7.6
NE	10.5	7.8	10.4	7.7	10.4	7.7	10.4	7.7	10.3	7.6	10.3	7.6	10.3	7.6	10.2	7.6	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.6	7.7	11.3	8.1	11.6	8.3	11.6	8.3	11.6	8.3	11.5	8.3	11.6	8.4	11.6	8.5	11.5	8.5	11.3	8.3	11.1	8.1	10.8	8.0
E	11.3	8.2	11.2	8.1	11.2	8.1	11.1	8.1	11.1	8.0	11.1	8.0	11.0	8.0	11.0	7.9	11.0	7.9	11.0	7.9	10.9	7.9	11.0	7.9	11.4	8.1	12.2	8.5	12.6	8.8	12.8	8.9	12.7	8.9	12.6	8.9	12.3	8.8	12.3	8.8	12.3	8.8	12.1	8.7	11.8	8.5	11.6	8.3
SE	11.3	8.2	11.2	8.1	11.2	8.1	11.1	8.1	11.1	8.0	11.1	8.0	11.0	8.0	11.0	7.9	11.0	7.9	11.0	7.9	10.9	7.9	11.0	7.9	11.3	8.1	11.9	8.4	12.4	8.7	12.7	8.9	12.7	8.9	12.7	9.0	12.6	9.0	12.4	8.9	12.3	8.8	12.1	8.7	11.8	8.5	11.6	8.4
S	10.8	7.9	10.7	7.9	10.6	7.8	10.6	7.8	10.6	7.8	10.5	7.7	10.5	7.7	10.5	7.7	10.5	7.7	10.5	7.6	10.4	7.6	10.5	7.7	10.7	7.8	11.0	8.0	11.3	8.2	11.7	8.3	11.9	8.5	12.1	8.6	12.3	8.8	12.2	8.8	12.1	8.7	11.8	8.5	11.3	8.3	11.0	8.1
SW	12.2	8.6	11.7	8.4	11.6	8.3	11.6	8.3	11.6	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.4	8.1	11.4	8.1	11.6	8.2	11.7	8.3	12.0	8.5	12.3	8.6	12.5	8.8	12.6	8.9	12.8	9.0	13.1	9.2	13.3	9.3	13.4	9.4	13.3	9.3	13.1	9.1	12.6	8.9
W	12.9	9.0	12.0	8.5	11.9	8.5	11.9	8.4	11.8	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.9	8.3	12.0	8.4	12.3	8.6	12.6	8.8	12.8	8.9	12.9	9.0	13.0	9.1	13.1	9.2	13.4	9.4	13.7	9.5	13.7	9.5	13.6	9.4	13.2	9.2
NW	11.8	8.5	11.0	8.0	11.0	8.0	10.9	8.0	10.9	7.9	10.9	7.9	10.8	7.9	10.8	7.8	10.8	7.8	10.8	7.8	10.7	7.8	10.8	7.8	11.0	7.9	11.3	8.1	11.6	8.3	11.8	8.4	11.9	8.5	12.1	8.6	12.1	8.7	12.1	8.7	12.3	8.8	12.4	8.8	12.3	8.8	12.1	8.6
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.1	7.1	13.1	7.1	13.0	7.1	13.0	7.1	13.0	7.0	13.0	7.0	13.0	7.0	13.0	7.0	13.0	7.0	12.9	7.0	13.0	7.0	13.2	7.1	13.6	7.3	13.9	7.5	14.2	7.7	14.4	7.8	14.6	7.9	14.7	8.0	14.6	8.0	14.5	7.9	14.3	7.8	13.9	7.6	13.6	7.4	13.2	7.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :HATAY (36.52)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																									
N	8.9	6.9	8.7	6.8	8.6	6.7	8.5	6.6	8.4	6.5	8.4	6.5	8.3	6.4	8.3	6.3	8.2	6.3	8.3	6.3	9.3	6.9	10.3	7.5	10.9	7.9	11.5	8.3	12.0	8.6	12.3	8.9	12.6	9.2	12.6	9.3	12.4	9.3	11.8	8.8	10.9	8.3	10.4	7.9	10.0	7.6	9.0	7.0
NE	9.5	7.2	9.3	7.1	9.2	7.0	9.1	6.9	9.1	6.8	9.0	6.8	8.9	6.7	8.9	6.6	8.8	6.6	8.9	6.6	10.3	7.4	12.2	8.4	13.2	9.1	13.4	9.2	13.2	9.2	13.0	9.2	13.2	9.5	13.2	9.6	13.1	9.6	12.4	9.1	11.5	8.6	10.7	8.1	9.9	7.5	9.6	7.4
E	10.1	7.6	10.0	7.4	9.9	7.3	9.8	7.2	9.7	7.1	9.6	7.1	9.6	7.0	9.5	7.0	9.4	6.9	9.5	6.9	10.9	7.7	13.3	9.0	14.7	9.8	15.2	10.1	15.0	10.1	14.5	10.0	13.9	9.8	13.8	9.9	13.7	9.9	13.0	9.5	12.2	8.9	11.4	8.4	10.5	7.9	10.3	7.7
SE	10.1	7.6	10.0	7.4	9.9	7.3	9.8	7.2	9.7	7.2	9.6	7.1	9.6	7.0	9.5	7.0	9.4	6.9	9.5	6.9	10.7	7.6	12.6	8.6	14.0	9.5	14.8	10.0	15.1	10.2	15.1	10.3	14.8	10.3	14.0	10.0	13.7	9.9	13.0	9.5	12.2	8.9	11.4	8.4	10.5	7.9	10.3	7.7
S	9.7	7.3	9.6	7.2	9.4	7.1	9.3	7.0	9.3	6.9	9.2	6.9	9.1	6.8	9.1	6.7	9.0	6.7	9.3	6.8	9.9	7.2	10.9	7.8	11.8	8.3	12.9	9.0	13.7	9.5	14.3	9.9	14.7	10.3	14.7	10.3	14.3	10.2	13.2	9.6	11.9	8.7	10.9	8.2	10.1	7.7	9.8	7.5
SW	10.5	7.8	10.4	7.6	10.3	7.5	10.2	7.4	10.1	7.3	10.0	7.3	10.0	7.2	9.9	7.2	9.8	7.1	10.4	7.3	10.8	7.6	11.7	8.2	12.5	8.7	13.1	9.1	13.6	9.5	14.1	9.8	15.2	10.5	15.9	10.9	16.2	11.2	15.9	10.9	15.0	10.3	13.6	9.5	12.3	8.7	10.6	7.9
W	10.7	7.9	10.6	7.8	10.5	7.6	10.4	7.6	10.3	7.5	10.3	7.4	10.2	7.3	10.1	7.3	10.1	7.2	10.6	7.5	11.0	7.7	11.9	8.3	12.7	8.8	13.4	9.2	13.9	9.6	14.2	9.8	14.5	10.1	15.5	10.7	16.3	11.2	16.5	11.2	16.0	10.8	14.9	10.1	13.8	9.5	10.9	8.0
NW	9.9	7.5	9.8	7.4	9.7	7.2	9.6	7.1	9.5	7.1	9.5	7.0	9.4	6.9	9.3	6.9	9.3	6.8	9.5	6.9	10.2	7.3	11.1	7.9	11.9	8.4	12.6	8.8	13.1	9.2	13.4	9.4	13.7	9.7	13.7	9.8	14.2	10.2	14.4	10.1	14.2	9.9	13.4	9.4	12.7	8.9	10.1	7.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																								
N	10.1	7.6	10.0	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.8	7.4	9.9	7.4	9.9	7.5	10.0	7.5	10.1	7.6	10.2	7.6	10.2	7.6	10.2	7.7	10.3	7.7	10.3	7.7	10.3	7.7	10.2	7.7	10.1	7.6
NE	10.8	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.8	10.7	7.8	10.7	7.8	10.6	7.8	10.6	7.8	10.6	7.8	10.6	7.8	10.6	7.8	10.8	7.9	11.0	8.0	11.1	8.0	11.1	8.1	11.1	8.1	11.0	8.1	11.1	8.1	11.1	8.1	11.0	8.1	11.0	8.0	10.9	8.0
E	11.6	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.4	8.2	11.4	8.2	11.4	8.2	11.4	8.2	11.6	8.3	11.8	8.4	11.9	8.5	12.0	8.5	12.0	8.5	11.9	8.5	11.9	8.5	11.9	8.5	11.8	8.5	11.8	8.4	11.7	8.4
SE	11.6	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.4	8.2	11.4	8.2	11.4	8.2	11.4	8.2	11.6	8.3	11.7	8.4	11.9	8.4	12.0	8.5	12.0	8.5	12.0	8.5	11.9	8.5	11.9	8.5	11.8	8.5	11.8	8.4	11.7	8.4
S	11.1	8.1	11.0	8.0	11.0	8.0	11.0	8.0	10.9	8.0	10.9	8.0	10.9	8.0	10.9	8.0	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	10.9	7.9	11.0	8.0	11.1	8.0	11.2	8.1	11.3	8.1	11.3	8.2	11.4	8.2	11.4	8.3	11.4	8.3	11.4	8.3	11.3	8.2	11.2	8.1
SW	12.3	8.7	12.2	8.6	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	11.9	8.5	11.9	8.5	12.0	8.5	12.0	8.5	12.1	8.6	12.2	8.6	12.3	8.6	12.3	8.7	12.4	8.7	12.5	8.8	12.5	8.8	12.6	8.8	12.5	8.8	12.4	8.8
W	12.7	8.9	12.6	8.8	12.3	8.7	12.3	8.7	12.3	8.7	12.3	8.6	12.3	8.6	12.3	8.6	12.3	8.6	12.3	8.6	12.2	8.6	12.2	8.6	12.3	8.6	12.3	8.7	12.4	8.7	12.5	8.8	12.6	8.8	12.6	8.8	12.6	8.9	12.7	8.9	12.8	8.9	12.8	9.0	12.9	9.0	12.8	9.0
NW	11.6	8.3	11.5	8.3	11.3	8.2	11.3	8.2	11.3	8.1	11.3	8.1	11.3	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.2	8.1	11.3	8.1	11.4	8.2	11.5	8.2	11.5	8.3	11.6	8.3	11.6	8.3	11.6	8.4	11.6	8.4	11.7	8.4	11.7	8.4	11.7	8.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																								
N	10.0	7.5	9.7	7.4	9.7	7.4	9.6	7.3	9.6	7.3	9.6	7.3	9.6	7.2	9.5	7.2	9.5	7.2	9.5	7.2	9.5	7.2	9.5	7.2	9.8	7.3	10.1	7.5	10.3	7.6	10.5	7.8	10.6	7.9	10.7	7.9	10.8	8.0	10.8	8.0	10.7	8.0	10.5	7.9	10.3	7.7	10.1	7.6
NE	10.6	7.8	10.5	7.8	10.4	7.7	10.4	7.7	10.4	7.7	10.3	7.6	10.3	7.6	10.3	7.6	10.3	7.6	10.2	7.6	10.2	7.5	10.3	7.5	10.7	7.8	11.2	8.1	11.5	8.3	11.6	8.3	11.5	8.3	11.5	8.3	11.5	8.4	11.5	8.4	11.5	8.4	11.3	8.3	11.0	8.1	10.8	8.0
E	11.3	8.2	11.2	8.1	11.2	8.1	11.2	8.1	11.1	8.0	11.1	8.0	11.1	8.0	11.0	8.0	11.0	7.9	11.0	7.9	11.0	7.9	11.0	7.9	11.4	8.2	12.1	8.5	12.6	8.8	12.7	8.9	12.6	8.9	12.5	8.8	12.3	8.8	12.3	8.8	12.2	8.8	12.1	8.7	11.8	8.5	11.6	8.3
SE	11.3	8.2	11.2	8.1	11.2	8.1	11.2	8.1	11.1	8.0	11.1	8.0	11.1	8.0	11.1	8.0	11.0	7.9	11.0	7.9	11.0	7.9	11.0	7.9	11.4	8.1	11.9	8.4	12.4	8.7	12.6	8.8	12.7	8.9	12.7	8.9	12.6	8.9	12.3	8.8	12.3	8.8	12.1	8.7	11.8	8.5	11.6	8.4
S	10.8	7.9	10.7	7.9	10.7	7.9	10.6	7.8	10.6	7.8	10.6	7.8	10.6	7.7	10.5	7.7	10.5	7.7	10.5	7.7	10.5	7.7	10.6	7.7	10.7	7.8	11.0	8.0	11.3	8.1	11.6	8.3	11.9	8.5	12.0	8.6	12.2	8.7	12.2	8.7	12.0	8.7	11.7	8.5	11.3	8.3	11.0	8.1
SW	12.2	8.6	11.7	8.4	11.7	8.4	11.6	8.3	11.6	8.3	11.6	8.3	11.6	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.6	8.2	11.7	8.3	12.0	8.5	12.3	8.6	12.5	8.7	12.6	8.9	12.7	9.0	13.1	9.2	13.3	9.3	13.4	9.4	13.3	9.3	13.0	9.1	12.6	8.9
W	12.9	9.0	12.0	8.5	12.0	8.5	11.9	8.5	11.9	8.4	11.9	8.4	11.8	8.4	11.8	8.4	11.8	8.3	11.8	8.3	11.8	8.3	11.9	8.4	12.0	8.5	12.3	8.6	12.6	8.8	12.7	8.9	12.9	9.0	13.0	9.1	13.1	9.2	13.4	9.3	13.6	9.5	13.7	9.5	13.5	9.4	13.2	9.2
NW	11.8	8.4	11.0	8.0	11.0	8.0	10.9	8.0	10.9	7.9	10.9	7.9	10.9	7.9	10.8	7.9	10.8	7.8	10.8	7.8	10.8	7.8	10.9	7.8	11.1	8.0	11.3	8.1	11.6	8.3	11.8	8.4	11.9	8.5	12.0	8.6	12.1	8.7	12.1	8.7	12.2	8.8	12.3	8.8	12.2	8.7	12.0	8.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																								
N	10.1	7.6	10.0	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.4	10.0	7.5	10.0	7.5	10.1	7.6	10.1	7.6	10.2	7.6	10.2	7.6	10.2	7.7	10.2	7.7	10.2	7.7	10.2	7.6	10.1	7.6
NE	10.8	7.9	10.8	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.9	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.7	7.8	10.8	7.9	10.9	8.0	11.0	8.0	11.0	8.0	11.0	8.0	11.0	8.0	11.0	8.1	11.0	8.1	11.0	8.1	10.9	8.0	10.9	8.0
E	11.6	8.3	11.6	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.6	8.3	11.8	8.4	11.9	8.5	11.9	8.5	11.9	8.5	11.9	8.5	11.8	8.5	11.8	8.5	11.8	8.5	11.8	8.4	11.7	8.4
SE	11.6	8.3	11.6	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.3	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.6	8.3	11.7	8.4	11.8	8.4	11.9	8.5	11.9	8.5	11.9	8.5	11.9	8.5	11.8	8.5	11.8	8.5	11.8	8.4	11.7	8.4
S	11.1	8.1	11.0	8.0	11.0	8.0	11.0	8.0	11.0	8.0	11.0	8.0	11.0	8.0	10.9	8.0	10.9	8.0	10.9	8.0	10.9	8.0	10.9	8.0	11.0	8.0	11.0	8.0	11.1	8.0	11.1	8.1	11.2	8.1	11.3	8.2	11.3	8.2	11.4	8.2	11.4	8.2	11.3	8.2	11.3	8.2	11.2	8.1
SW	12.3	8.7	12.2	8.6	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.0	8.5	12.1	8.5	12.1	8.6	12.2	8.6	12.2	8.6	12.3	8.7	12.3	8.7	12.4	8.7	12.5	8.8	12.5	8.8	12.5	8.8	12.4	8.7
W	12.7	8.9	12.6	8.8	12.3	8.7	12.3	8.7	12.3	8.7	12.3	8.7	12.3	8.7	12.3	8.7	12.3	8.6	12.3	8.6	12.3	8.6	12.3	8.6	12.3	8.7	12.4	8.7	12.4	8.7	12.5	8.8	12.5	8.8	12.6	8.8	12.6	8.8	12.6	8.9	12.7	8.9	12.8	8.9	12.8	8.9	12.8	8.9
NW	11.6	8.3	11.5	8.3	11.3	8.2	11.3	8.2	11.3	8.2	11.3	8.2	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.1	11.3	8.2	11.4	8.2	11.5	8.2	11.5	8.3	11.6	8.3	11.6	8.3	11.6	8.3	11.6	8.4	11.6	8.4	11.7	8.4	11.6	8.4
	R2 - 12cm Concrete+2 cm plaster																																								
R	7.1	3.8	6.9	3.6	6.7	3.5	6.6	3.3	6.4	3.2	6.3	3.1	6.2	2.9	6.5	3.1	9.4	4.7	13.7	7.0	17.8	9.3	21.2	11.2	23.5	12.6	25.2	13.6	26.4	14.5	26.0	14.5	24.6	14.0	21.7	12.3	17.8	10.1	13.5	7.7	9.7	5.6	7.9	4.6	7.6	4.3	7.3	4.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: IĞDIR (39.55)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	4.7	2.6	4.4	2.3	4.1	2.0	3.9	1.8	3.7	1.6	3.7	1.5	3.5	1.3	3.4	1.2	3.3	1.1	3.2	1.0	3.2	1.0	3.8	1.4	5.0	2.4	5.9	3.1	6.5	3.6	7.0	4.0	7.3	4.3	7.5	4.5	7.5	4.5	7.4	4.5	7.1	4.3	6.7	4.0	6.0	3.5	5.4	3.0
NE	5.2	2.8	4.9	2.5	4.6	2.2	4.4	2.0	4.2	1.8	4.1	1.7	3.9	1.6	3.8	1.5	3.7	1.3	3.6	1.2	3.6	1.2	4.3	1.7	5.7	2.7	7.2	3.7	7.6	4.1	7.7	4.3	7.8	4.5	8.0	4.7	8.0	4.7	7.9	4.7	7.6	4.5	7.1	4.2	6.4	3.7	5.7	3.2
E	5.8	3.1	5.4	2.8	5.2	2.5	4.9	2.3	4.7	2.1	4.7	2.0	4.5	1.8	4.4	1.7	4.3	1.6	4.2	1.5	4.2	1.5	4.9	2.0	6.3	3.0	8.2	4.2	8.7	4.7	8.9	5.0	8.6	4.9	8.5	5.0	8.5	5.0	8.4	5.0	8.1	4.8	7.6	4.5	7.0	4.0	6.3	3.5
SE	5.8	3.1	5.4	2.8	5.1	2.5	4.9	2.3	4.7	2.1	4.7	2.0	4.5	1.8	4.4	1.7	4.3	1.6	4.2	1.5	4.2	1.5	4.8	2.0	6.2	3.0	7.9	4.1	8.6	4.6	9.1	5.0	9.0	5.1	8.8	5.1	8.5	5.0	8.4	5.0	8.1	4.8	7.6	4.5	7.0	4.0	6.3	3.5
S	5.5	3.0	5.2	2.7	4.9	2.4	4.7	2.2	4.5	2.0	4.5	1.9	4.3	1.7	4.2	1.6	4.1	1.5	4.0	1.4	4.0	1.4	4.6	1.8	5.8	2.7	6.8	3.5	7.7	4.2	8.4	4.7	8.8	5.0	9.0	5.2	8.9	5.2	8.5	5.0	8.0	4.7	7.4	4.4	6.8	3.9	6.1	3.4
SW	5.8	3.1	5.5	2.8	5.2	2.5	5.0	2.3	4.8	2.1	4.7	2.1	4.6	1.9	4.5	1.8	4.4	1.7	4.3	1.6	4.2	1.5	4.9	2.0	6.1	2.9	7.0	3.6	7.6	4.1	8.1	4.6	8.7	5.0	9.3	5.3	9.6	5.5	9.5	5.5	9.0	5.3	8.2	4.8	7.2	4.1	6.5	3.6
W	5.8	3.1	5.6	2.9	5.3	2.6	5.0	2.3	4.8	2.1	4.8	2.1	4.6	1.9	4.5	1.8	4.4	1.7	4.3	1.6	4.3	1.5	4.9	2.0	6.1	2.9	7.0	3.6	7.6	4.1	8.2	4.6	8.5	4.8	8.9	5.2	9.5	5.5	9.7	5.6	9.3	5.4	8.6	4.9	7.3	4.2	6.6	3.7
NW	5.3	2.9	5.0	2.6	4.7	2.3	4.5	2.1	4.3	1.9	4.2	1.8	4.1	1.6	4.0	1.5	3.9	1.4	3.8	1.3	3.7	1.3	4.4	1.7	5.6	2.6	6.5	3.4	7.1	3.9	7.6	4.3	7.9	4.6	8.1	4.8	8.3	4.9	8.6	5.0	8.4	4.9	7.8	4.6	6.8	3.9	6.1	3.4
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	5.2	2.8	5.0	2.6	4.9	2.6	4.9	2.5	4.8	2.4	4.7	2.3	4.7	2.3	4.6	2.3	4.6	2.2	4.6	2.2	4.5	2.2	4.5	2.1	4.7	2.3	5.1	2.6	5.4	2.8	5.6	3.0	5.8	3.1	5.9	3.2	5.9	3.3	5.9	3.3	5.9	3.3	5.8	3.2	5.7	3.1	5.5	3.0
NE	5.7	3.0	5.5	2.9	5.4	2.8	5.3	2.7	5.3	2.6	5.2	2.6	5.2	2.6	5.1	2.5	5.1	2.5	5.1	2.4	5.0	2.4	5.0	2.4	5.3	2.5	5.7	2.9	6.2	3.2	6.3	3.3	6.3	3.4	6.4	3.4	6.4	3.5	6.4	3.5	6.4	3.5	6.3	3.5	6.1	3.3	5.9	3.2
E	6.3	3.3	6.2	3.2	6.1	3.1	6.0	3.0	5.9	3.0	5.8	2.9	5.8	2.9	5.8	2.8	5.7	2.8	5.7	2.7	5.7	2.7	5.7	2.7	5.9	2.9	6.3	3.2	7.0	3.6	7.1	3.7	7.2	3.8	7.1	3.8	7.1	3.8	7.1	3.8	7.0	3.8	6.9	3.8	6.8	3.7	6.6	3.5
SE	6.3	3.3	6.2	3.2	6.1	3.1	6.0	3.0	5.9	3.0	5.8	2.9	5.8	2.9	5.8	2.8	5.7	2.8	5.7	2.7	5.7	2.7	5.6	2.7	5.9	2.8	6.3	3.2	6.9	3.5	7.1	3.7	7.2	3.8	7.2	3.9	7.1	3.9	7.1	3.8	7.0	3.8	6.9	3.8	6.8	3.7	6.5	3.5
S	6.1	3.2	5.9	3.1	5.8	3.0	5.7	2.9	5.7	2.8	5.6	2.8	5.6	2.8	5.5	2.7	5.5	2.7	5.5	2.6	5.4	2.6	5.4	2.6	5.6	2.7	6.0	3.0	6.3	3.3	6.6	3.5	6.9	3.7	7.0	3.7	7.0	3.8	7.0	3.8	6.9	3.8	6.7	3.7	6.5	3.5	6.3	3.4
SW	6.5	3.4	6.2	3.2	6.2	3.2	6.1	3.1	6.0	3.0	5.9	2.9	5.9	2.9	5.8	2.9	5.8	2.8	5.8	2.8	5.7	2.8	5.7	2.7	5.9	2.9	6.3	3.2	6.6	3.4	6.8	3.6	7.0	3.7	7.2	3.8	7.4	4.0	7.5	4.0	7.4	4.0	7.3	3.9	7.0	3.8	6.7	3.6
W	6.5	3.4	6.3	3.3	6.2	3.2	6.1	3.1	6.0	3.0	6.0	2.9	5.9	2.9	5.9	2.9	5.8	2.8	5.8	2.8	5.8	2.8	5.8	2.8	6.0	2.9	6.4	3.2	6.7	3.4	6.9	3.6	7.0	3.7	7.1	3.8	7.3	3.9	7.4	4.0	7.5	4.1	7.4	4.0	7.2	3.8	6.8	3.6
NW	5.9	3.1	5.7	3.0	5.6	2.9	5.5	2.8	5.4	2.7	5.4	2.7	5.3	2.6	5.3	2.6	5.3	2.5	5.2	2.5	5.2	2.5	5.2	2.5	5.4	2.6	5.8	2.9	6.1	3.1	6.3	3.3	6.4	3.4	6.5	3.5	6.6	3.6	6.6	3.6	6.7	3.7	6.7	3.6	6.5	3.5	6.2	3.3
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	5.3	2.8	5.0	2.6	4.9	2.5	4.7	2.4	4.6	2.3	4.6	2.2	4.5	2.2	4.5	2.1	4.4	2.1	4.4	2.0	4.3	2.0	4.3	1.9	4.6	2.1	5.1	2.5	5.5	2.9	5.8	3.1	6.0	3.3	6.1	3.4	6.2	3.5	6.2	3.5	6.2	3.5	6.0	3.4	5.8	3.3	5.6	3.1
NE	5.7	3.1	5.5	2.9	5.3	2.8	5.2	2.6	5.1	2.5	5.0	2.4	5.0	2.4	4.9	2.3	4.9	2.3	4.8	2.2	4.8	2.2	4.8	2.2	5.1	2.4	5.7	2.8	6.4	3.3	6.5	3.4	6.6	3.6	6.6	3.6	6.7	3.7	6.7	3.7	6.6	3.7	6.5	3.6	6.3	3.5	6.0	3.3
E	6.3	3.4	6.1	3.2	6.0	3.1	5.8	2.9	5.7	2.8	5.6	2.8	5.6	2.7	5.5	2.7	5.5	2.6	5.4	2.6	5.4	2.5	5.4	2.5	5.7	2.7	6.3	3.2	7.2	3.7	7.4	3.9	7.5	4.0	7.3	4.0	7.3	4.0	7.3	4.0	7.3	4.0	7.1	3.9	6.9	3.8	6.6	3.6
SE	6.3	3.4	6.1	3.2	6.0	3.1	5.8	2.9	5.7	2.8	5.6	2.7	5.6	2.7	5.5	2.6	5.5	2.6	5.4	2.6	5.4	2.5	5.4	2.5	5.7	2.7	6.3	3.1	7.0	3.6	7.3	3.9	7.5	4.0	7.5	4.1	7.4	4.1	7.3	4.0	7.3	4.0	7.1	3.9	6.9	3.8	6.6	3.6
S	6.1	3.2	5.9	3.1	5.7	2.9	5.6	2.8	5.5	2.7	5.4	2.6	5.4	2.6	5.3	2.5	5.3	2.5	5.2	2.4	5.2	2.4	5.2	2.4	5.4	2.6	6.0	3.0	6.4	3.3	6.8	3.6	7.1	3.8	7.3	4.0	7.4	4.0	7.3	4.0	7.2	4.0	6.9	3.8	6.7	3.7	6.4	3.5
SW	6.5	3.4	6.2	3.2	6.0	3.1	5.9	3.0	5.8	2.9	5.7	2.8	5.7	2.8	5.6	2.7	5.6	2.6	5.5	2.6	5.5	2.6	5.5	2.5	5.8	2.7	6.3	3.1	6.7	3.5	7.0	3.7	7.2	3.9	7.4	4.0	7.7	4.2	7.8	4.3	7.8	4.3	7.6	4.2	7.2	3.9	6.8	3.7
W	6.6	3.5	6.2	3.2	6.1	3.1	6.0	3.0	5.9	2.9	5.8	2.8	5.7	2.8	5.7	2.7	5.6	2.7	5.6	2.6	5.5	2.6	5.5	2.6	5.8	2.7	6.3	3.1	6.7	3.5	7.0	3.7	7.2	3.9	7.3	4.0	7.5	4.1	7.8	4.3	7.9	4.3	7.7	4.2	7.4	4.0	6.9	3.7
NW	6.0	3.2	5.6	3.0	5.5	2.8	5.4	2.7	5.3	2.6	5.2	2.5	5.2	2.5	5.1	2.4	5.0	2.4	5.0	2.3	4.9	2.3	4.9	2.3	5.2	2.5	5.7	2.9	6.1	3.2	6.4	3.4	6.6	3.6	6.8	3.7	6.9	3.8	6.9	3.8	7.0	3.9	7.0	3.9	6.7	3.7	6.3	3.4
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	5.3	2.9	4.9	2.6	4.8	2.5	4.6	2.3	4.5	2.2	4.4	2.1	4.4	2.1	4.3	2.0	4.2	1.9	4.2	1.9	4.1	1.8	4.1	1.8	4.5	2.0	5.1	2.5	5.6	2.9	5.9	3.2	6.2	3.4	6.3	3.5	6.4	3.6	6.4	3.6	6.4	3.6	6.2	3.5	6.0	3.4	5.6	3.1
NE	5.7	3.1	5.4	2.9	5.3	2.7	5.1	2.6	5.0	2.5	4.9	2.3	4.9	2.3	4.8	2.2	4.7	2.2	4.7	2.1	4.6	2.1	4.6	2.0	5.0	2.3	5.7	2.8	6.5	3.4	6.7	3.5	6.7	3.7	6.8	3.8	6.9	3.9	6.9	3.9	6.8	3.9	6.7	3.8	6.4	3.6	6.1	3.4
E	6.3	3.4	6.0	3.2	5.9	3.0	5.7	2.9	5.6	2.8	5.5	2.6	5.5	2.6	5.4	2.5	5.3	2.5	5.3	2.4	5.2	2.4	5.2	2.3	5.6	2.6	6.3	3.1	7.3	3.8	7.6	4.0	7.7	4.2	7.5	4.1	7.5	4.2	7.5	4.2	7.4	4.2	7.3	4.1	7.0	3.9	6.7	3.7
SE	6.3	3.4	6.0	3.2	5.9	3.0	5.7	2.9	5.6	2.8	5.5	2.6	5.5	2.6	5.4	2.5	5.3	2.5	5.3	2.4	5.2	2.4	5.2	2.3	5.6	2.6	6.3	3.1	7.2	3.7	7.5	4.0	7.8	4.2	7.8	4.2	7.6	4.2	7.5	4.2	7.4	4.2	7.3	4.1	7.0	3.9	6.7	3.7
S	6.1	3.3	5.8	3.1	5.7	2.9	5.5	2.8	5.4	2.6	5.3	2.5	5.2	2.5	5.2	2.4	5.1	2.4	5.0	2.3	5.0	2.3	5.0	2.2	5.3	2.5	5.9	2.9	6.5	3.3	6.9	3.7	7.3	4.0	7.5	4.1	7.6	4.2	7.6	4.2	7.4	4.1	7.1	4.0	6.8	3.8	6.4	3.5
SW	6.5	3.5	6.1	3.2	6.0	3.1	5.8	2.9	5.7	2.8	5.6	2.7	5.6	2.7	5.5	2.6	5.4	2.5	5.4	2.5	5.3	2.4	5.3	2.4	5.6	2.6	6.2	3.1	6.7	3.5	7.1	3.7	7.3	4.0	7.6	4.2	7.9	4.4	8.1	4.5	8.1	4.5	7.8	4.3	7.4	4.1	6.8	3.7
W	6.6	3.5	6.1	3.2	6.0	3.1	5.8	2.9	5.7	2.8	5.6	2.7	5.6	2.7	5.5	2.6	5.4	2.5	5.4	2.5	5.3	2.4	5.3	2.4	5.7	2.6	6.3	3.1	6.8	3.5	7.1	3.8	7.4	4.0	7.5	4.1	7.8	4.3	8.0	4.5	8.1	4.5	8.0	4.4	7.6	4.2	6.9	3.8
NW	6.0	3.2	5.6	2.9	5.4	2.8	5.3	2.6	5.2	2.5	5.1	2.4	5.0	2.4	4.9	2.3	4.9	2.2	4.8	2.2	4.8	2.1	4.8	2.1	5.1	2.3	5.7	2.8	6.2	3.2	6.5	3.5	6.8	3.7	6.9	3.8	7.0	3.9	7.1	4.0	7.3	4.1	7.2	4.0	6.9	3.8	6.3	3.5
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	7.9	2.1	7.8	2.0	7.7	1.9	7.6	1.9	7.6	1.8	7.6	1.8	7.5	1.8	7.5	1.7	7.4	1.7	7.4	1.7	7.4	1.7	7.7	1.8	8.2	2.2	8.8	2.5	9.1	2.8	9.4	3.0	9.6	3.1	9.6	3.1	9.6	3.1	9.4	3.0	9.1	2.9	8.7	2.7	8.4	2.5	8.1	2.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: IĞDIR (39.55)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	4.0	2.0	3.5	1.6	3.1	1.2	2.8	0.9	2.7	0.8	2.4	0.5	2.2	0.3	2.0	0.1	1.9	0.0	1.9	-0.1	2.9	0.6	4.9	2.2	6.4	3.3	7.4	4.1	8.2	4.9	8.7	5.3	9.1	5.6	9.1	5.7	8.9	5.6	8.4	5.3	7.7	4.8	6.6	4.1	5.5	3.2	4.4	2.5
NE	4.4	2.2	3.9	1.8	3.5	1.4	3.2	1.1	3.1	1.0	2.8	0.7	2.6	0.5	2.4	0.3	2.3	0.2	2.3	0.1	3.4	0.9	5.7	2.5	8.2	4.2	8.8	4.8	9.0	5.2	9.1	5.5	9.5	5.8	9.4	5.9	9.3	5.8	8.8	5.5	7.9	5.0	6.9	4.2	5.7	3.4	4.8	2.7
E	4.9	2.5	4.4	2.0	4.0	1.6	3.7	1.3	3.6	1.2	3.3	0.9	3.1	0.8	2.9	0.6	2.8	0.4	2.8	0.4	3.9	1.1	6.3	2.9	9.5	4.9	10.3	5.6	10.6	6.1	10.1	6.0	10.0	6.1	9.9	6.1	9.8	6.1	9.3	5.8	8.4	5.2	7.4	4.5	6.2	3.6	5.4	3.0
SE	4.8	2.5	4.4	2.0	4.0	1.6	3.7	1.3	3.6	1.2	3.3	0.9	3.1	0.7	2.9	0.6	2.8	0.4	2.7	0.3	3.8	1.1	6.1	2.7	8.9	4.6	10.1	5.5	10.9	6.2	10.8	6.3	10.4	6.3	9.9	6.1	9.7	6.1	9.3	5.8	8.4	5.2	7.3	4.5	6.2	3.6	5.4	3.0
S	4.7	2.4	4.2	1.9	3.8	1.6	3.5	1.2	3.4	1.1	3.1	0.8	2.9	0.7	2.7	0.5	2.6	0.3	2.6	0.3	3.6	1.0	5.6	2.5	7.3	3.8	8.7	4.8	9.9	5.7	10.6	6.2	10.8	6.5	10.7	6.5	10.1	6.2	9.2	5.8	8.3	5.1	7.2	4.4	6.0	3.5	5.2	2.9
SW	4.9	2.5	4.5	2.0	4.1	1.7	3.8	1.3	3.7	1.2	3.4	1.0	3.2	0.8	3.0	0.6	2.9	0.4	2.8	0.4	3.8	1.1	5.8	2.6	7.3	3.8	8.3	4.6	9.2	5.4	10.2	6.0	11.1	6.6	11.7	7.0	11.5	6.9	10.7	6.5	9.4	5.7	7.7	4.6	6.5	3.7	5.4	3.0
W	5.0	2.5	4.5	2.1	4.1	1.7	3.8	1.4	3.7	1.3	3.4	1.0	3.2	0.8	3.0	0.6	2.9	0.5	2.9	0.4	3.9	1.1	5.9	2.6	7.4	3.8	8.4	4.6	9.2	5.4	9.7	5.8	10.5	6.3	11.4	6.9	11.7	7.0	11.2	6.7	9.9	6.0	7.9	4.7	6.7	3.9	5.4	3.0
NW	4.5	2.3	4.0	1.8	3.6	1.5	3.3	1.1	3.2	1.0	2.9	0.7	2.8	0.6	2.6	0.4	2.4	0.2	2.4	0.2	3.4	0.9	5.4	2.4	6.9	3.6	7.9	4.4	8.8	5.1	9.2	5.5	9.6	5.9	9.9	6.1	10.3	6.3	10.1	6.2	9.1	5.6	7.4	4.5	6.3	3.6	4.9	2.7
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.3	2.8	5.2	2.7	5.1	2.7	5.1	2.6	5.0	2.6	5.0	2.5	5.0	2.5	4.9	2.5	4.9	2.5	4.9	2.5	4.9	2.4	4.9	2.4	4.9	2.4	5.0	2.5	5.2	2.6	5.3	2.8	5.4	2.8	5.5	2.9	5.5	2.9	5.6	3.0	5.6	3.0	5.5	3.0	5.5	2.9	5.4	2.9
NE	5.8	3.1	5.7	3.0	5.6	2.9	5.6	2.9	5.5	2.8	5.5	2.8	5.5	2.8	5.5	2.8	5.4	2.7	5.4	2.7	5.4	2.7	5.4	2.7	5.4	2.7	5.5	2.7	5.7	2.9	5.9	3.1	6.0	3.1	6.0	3.2	6.0	3.2	6.1	3.2	6.1	3.2	6.0	3.2	6.0	3.2	5.9	3.1
E	6.4	3.4	6.3	3.3	6.3	3.2	6.2	3.2	6.2	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.0	6.0	3.0	6.0	3.0	6.0	3.0	6.0	3.0	6.1	3.1	6.3	3.2	6.6	3.4	6.7	3.5	6.8	3.5	6.7	3.5	6.7	3.5	6.7	3.5	6.7	3.5	6.6	3.5	6.6	3.5
SE	6.4	3.4	6.3	3.3	6.3	3.2	6.2	3.2	6.2	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.0	6.0	3.0	6.0	3.0	6.0	3.0	6.0	3.0	6.1	3.1	6.3	3.2	6.6	3.4	6.7	3.5	6.8	3.5	6.8	3.6	6.7	3.6	6.7	3.5	6.7	3.5	6.6	3.5	6.6	3.5
S	6.2	3.3	6.1	3.2	6.0	3.1	6.0	3.1	5.9	3.0	5.9	3.0	5.9	3.0	5.9	3.0	5.8	2.9	5.8	2.9	5.8	2.9	5.8	2.9	5.8	2.9	5.9	2.9	6.1	3.1	6.2	3.2	6.4	3.3	6.5	3.4	6.5	3.4	6.6	3.5	6.5	3.5	6.5	3.4	6.4	3.4	6.3	3.3
SW	6.6	3.4	6.4	3.4	6.3	3.3	6.3	3.2	6.3	3.2	6.2	3.2	6.2	3.1	6.2	3.1	6.2	3.1	6.1	3.1	6.1	3.1	6.1	3.0	6.1	3.0	6.2	3.1	6.4	3.3	6.5	3.4	6.6	3.4	6.7	3.5	6.8	3.6	6.9	3.6	6.9	3.7	6.9	3.7	6.9	3.6	6.7	3.5
W	6.6	3.5	6.5	3.4	6.4	3.3	6.3	3.3	6.3	3.2	6.3	3.2	6.2	3.1	6.2	3.1	6.2	3.1	6.2	3.1	6.2	3.1	6.1	3.1	6.1	3.1	6.2	3.1	6.4	3.3	6.6	3.4	6.7	3.5	6.7	3.5	6.8	3.6	6.9	3.6	7.0	3.7	7.0	3.7	6.9	3.7	6.8	3.6
NW	6.0	3.2	5.9	3.1	5.8	3.0	5.7	3.0	5.7	2.9	5.7	2.9	5.6	2.8	5.6	2.8	5.6	2.8	5.6	2.8	5.5	2.8	5.5	2.8	5.5	2.8	5.6	2.8	5.8	3.0	6.0	3.1	6.1	3.2	6.1	3.2	6.2	3.3	6.2	3.3	6.2	3.3	6.3	3.3	6.3	3.3	6.2	3.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	5.3	2.9	5.0	2.6	4.8	2.5	4.7	2.4	4.6	2.2	4.5	2.1	4.4	2.1	4.4	2.0	4.3	2.0	4.3	1.9	4.2	1.9	4.2	1.9	4.5	2.1	5.1	2.5	5.5	2.9	5.8	3.1	6.1	3.3	6.2	3.5	6.3	3.5	6.3	3.6	6.3	3.6	6.1	3.5	5.9	3.3	5.6	3.1
NE	5.7	3.1	5.4	2.9	5.3	2.7	5.2	2.6	5.1	2.5	5.0	2.4	4.9	2.4	4.8	2.3	4.8	2.2	4.7	2.2	4.7	2.1	4.7	2.1	5.0	2.3	5.7	2.8	6.4	3.3	6.6	3.5	6.7	3.6	6.7	3.7	6.8	3.8	6.8	3.8	6.8	3.8	6.6	3.7	6.4	3.5	6.0	3.3
E	6.3	3.4	6.1	3.2	5.9	3.0	5.8	2.9	5.7	2.8	5.6	2.7	5.5	2.7	5.5	2.6	5.4	2.5	5.3	2.5	5.3	2.4	5.3	2.4	5.6	2.6	6.3	3.1	7.3	3.7	7.5	4.0	7.6	4.1	7.5	4.1	7.4	4.1	7.4	4.1	7.4	4.1	7.2	4.0	7.0	3.8	6.7	3.6
SE	6.3	3.4	6.1	3.2	5.9	3.0	5.8	2.9	5.7	2.8	5.6	2.7	5.5	2.7	5.4	2.6	5.4	2.5	5.3	2.5	5.3	2.4	5.3	2.4	5.6	2.6	6.3	3.1	7.1	3.7	7.5	3.9	7.7	4.1	7.7	4.2	7.5	4.2	7.4	4.1	7.4	4.1	7.2	4.0	7.0	3.8	6.6	3.6
S	6.1	3.3	5.8	3.1	5.7	2.9	5.5	2.8	5.4	2.7	5.3	2.6	5.3	2.5	5.2	2.5	5.2	2.4	5.1	2.4	5.1	2.3	5.1	2.3	5.4	2.5	5.9	3.0	6.4	3.3	6.9	3.6	7.2	3.9	7.4	4.1	7.5	4.1	7.5	4.1	7.3	4.1	7.0	3.9	6.7	3.7	6.4	3.5
SW	6.5	3.4	6.1	3.2	6.0	3.1	5.9	2.9	5.8	2.8	5.7	2.7	5.6	2.7	5.5	2.6	5.5	2.6	5.4	2.5	5.4	2.5	5.4	2.5	5.7	2.7	6.3	3.1	6.7	3.5	7.0	3.7	7.3	3.9	7.5	4.1	7.8	4.3	8.0	4.4	7.9	4.4	7.7	4.3	7.3	4.0	6.8	3.7
W	6.6	3.5	6.2	3.2	6.0	3.1	5.9	3.0	5.8	2.9	5.7	2.8	5.7	2.7	5.6	2.6	5.5	2.6	5.5	2.5	5.4	2.5	5.4	2.5	5.7	2.7	6.3	3.1	6.7	3.5	7.0	3.7	7.3	3.9	7.4	4.1	7.7	4.2	7.9	4.4	8.0	4.4	7.9	4.3	7.5	4.1	6.9	3.8
NW	6.0	3.2	5.6	2.9	5.5	2.8	5.3	2.7	5.2	2.6	5.1	2.5	5.1	2.4	5.0	2.4	4.9	2.3	4.9	2.2	4.8	2.2	4.8	2.2	5.1	2.4	5.7	2.8	6.2	3.2	6.5	3.4	6.7	3.7	6.9	3.8	7.0	3.9	7.1	3.9	7.2	4.0	7.1	4.0	6.8	3.8	6.3	3.5
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.3	2.8	5.2	2.7	5.1	2.7	5.1	2.6	5.1	2.6	5.0	2.6	5.0	2.5	5.0	2.5	5.0	2.5	5.0	2.5	4.9	2.5	4.9	2.5	4.9	2.5	5.0	2.5	5.2	2.6	5.3	2.7	5.4	2.8	5.4	2.9	5.5	2.9	5.5	2.9	5.5	2.9	5.5	2.9	5.4	2.9	5.4	2.9
NE	5.8	3.0	5.7	3.0	5.6	2.9	5.6	2.9	5.6	2.9	5.5	2.8	5.5	2.8	5.5	2.8	5.5	2.8	5.5	2.8	5.4	2.7	5.4	2.7	5.4	2.7	5.5	2.8	5.7	2.9	5.9	3.0	5.9	3.1	6.0	3.1	6.0	3.1	6.0	3.2	6.0	3.2	6.0	3.2	5.9	3.1	5.9	3.1
E	6.4	3.4	6.3	3.3	6.3	3.2	6.2	3.2	6.2	3.2	6.2	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.0	6.1	3.0	6.2	3.1	6.3	3.2	6.6	3.4	6.7	3.5	6.7	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.5	3.4
SE	6.4	3.4	6.3	3.3	6.3	3.2	6.2	3.2	6.2	3.2	6.2	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.1	6.1	3.0	6.1	3.0	6.2	3.1	6.3	3.2	6.6	3.4	6.6	3.4	6.7	3.5	6.7	3.5	6.7	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.5	3.4
S	6.2	3.2	6.1	3.2	6.0	3.1	6.0	3.1	6.0	3.1	5.9	3.0	5.9	3.0	5.9	3.0	5.9	3.0	5.9	3.0	5.8	2.9	5.8	2.9	5.8	2.9	5.9	3.0	6.1	3.1	6.2	3.2	6.3	3.3	6.4	3.4	6.5	3.4	6.5	3.4	6.5	3.4	6.4	3.4	6.4	3.4	6.3	3.3
SW	6.5	3.4	6.4	3.4	6.4	3.3	6.3	3.3	6.3	3.2	6.3	3.2	6.2	3.2	6.2	3.2	6.2	3.1	6.2	3.1	6.2	3.1	6.2	3.1	6.2	3.1	6.2	3.1	6.4	3.3	6.5	3.4	6.6	3.4	6.7	3.5	6.7	3.5	6.8	3.6	6.9	3.6	6.8	3.6	6.8	3.6	6.7	3.5
W	6.6	3.4	6.5	3.4	6.4	3.3	6.4	3.3	6.3	3.2	6.3	3.2	6.3	3.2	6.3	3.2	6.2	3.2	6.2	3.1	6.2	3.1	6.2	3.1	6.2	3.1	6.3	3.2	6.4	3.3	6.6	3.4	6.6	3.4	6.7	3.5	6.7	3.5	6.8	3.6	6.9	3.6	6.9	3.6	6.8	3.6	6.7	3.5
NW	6.0	3.1	5.9	3.1	5.8	3.0	5.8	3.0	5.7	2.9	5.7	2.9	5.7	2.9	5.7	2.9	5.6	2.8	5.6	2.8	5.6	2.8	5.6	2.8	5.6	2.8	5.7	2.9	5.8	3.0	5.9	3.1	6.0	3.1	6.1	3.2	6.1	3.2	6.2	3.2	6.2	3.3	6.2	3.3	6.2	3.3	6.1	3.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	0.6	-2.5	-0.1	-3.2	-0.3	-3.4	-0.9	-4.0	-1.2	-4.4	-1.6	-4.8	-2.0	-5.1	-1.9	-5.2	1.1	-3.2	7.1	0.9	14.0	5.3	18.2	8.0	21.8	10.4	23.3	11.5	23.3	11.8	23.1	11.9	20.9	10.9	17.6	9.1	13.6	6.9	9.3	4.3	6.0	2.0	3.4	0.2	2.4	-0.7	1.4	-1.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ISPARTA (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																																
N	6.9	4.7	6.8	4.6	6.6	4.4	6.4	4.2	6.1	3.9	5.9	3.7	5.8	3.6	5.7	3.5	5.6	3.4	5.5	3.3	6.1	3.6	6.9	4.3	7.5	4.8	8.1	5.3	8.7	5.8	9.2	6.1	9.4	6.3	9.6	6.5	9.7	6.6	9.5	6.5	9.2	6.3	8.7	6.0	8.2	5.6	7.4	5.1
NE	8.1	5.3	8.0	5.2	7.8	5.0	7.6	4.8	7.3	4.5	7.1	4.3	7.0	4.2	6.9	4.1	6.8	4.0	6.7	3.9	7.8	4.5	9.2	5.4	10.1	6.1	10.5	6.5	10.6	6.7	10.6	6.8	10.6	6.9	10.8	7.1	10.9	7.2	10.7	7.1	10.4	6.9	9.9	6.6	9.3	6.2	8.5	5.6
E	8.9	5.7	8.8	5.6	8.6	5.4	8.4	5.2	8.2	5.0	7.9	4.7	7.8	4.6	7.7	4.5	7.6	4.4	7.6	4.3	8.7	4.9	10.3	5.9	11.5	6.8	12.0	7.2	12.2	7.5	12.2	7.6	11.8	7.5	11.7	7.5	11.7	7.6	11.5	7.5	11.2	7.3	10.7	7.0	10.1	6.6	9.4	6.1
SE	9.0	5.7	8.9	5.6	8.7	5.4	8.5	5.2	8.2	5.0	8.0	4.7	7.9	4.6	7.8	4.5	7.7	4.4	7.6	4.3	8.3	4.7	9.6	5.6	10.9	6.5	11.7	7.1	12.2	7.5	12.4	7.7	12.3	7.8	12.0	7.7	11.8	7.6	11.6	7.5	11.3	7.3	10.8	7.0	10.2	6.6	9.4	6.1
S	7.7	5.1	7.6	5.0	7.4	4.8	7.2	4.6	7.0	4.4	6.7	4.1	6.6	4.0	6.5	3.9	6.4	3.8	6.3	3.7	6.6	3.9	7.4	4.5	8.3	5.2	9.2	5.8	10.0	6.4	10.7	6.9	11.0	7.1	11.2	7.3	11.1	7.3	10.7	7.1	10.1	6.8	9.5	6.4	8.9	6.0	8.1	5.4
SW	8.0	5.3	7.9	5.1	7.7	4.9	7.5	4.8	7.3	4.5	7.0	4.2	6.9	4.2	6.8	4.1	6.7	4.0	6.6	3.9	6.9	4.1	7.8	4.7	8.6	5.3	9.3	5.9	9.9	6.3	10.3	6.7	10.9	7.1	11.5	7.4	11.9	7.7	11.8	7.6	11.3	7.4	10.6	6.9	9.6	6.3	8.5	5.6
W	8.1	5.3	7.9	5.2	7.7	4.9	7.5	4.8	7.3	4.5	7.0	4.3	7.0	4.2	6.9	4.1	6.8	4.0	6.7	3.9	7.0	4.1	7.8	4.7	8.6	5.3	9.3	5.9	9.9	6.3	10.4	6.7	10.6	6.9	11.1	7.2	11.7	7.6	11.9	7.7	11.5	7.5	10.9	7.1	9.9	6.5	8.6	5.7
NW	7.4	5.0	7.3	4.8	7.1	4.6	6.9	4.4	6.7	4.2	6.4	3.9	6.3	3.9	6.2	3.7	6.1	3.6	6.0	3.6	6.3	3.7	7.1	4.4	8.0	5.0	8.7	5.6	9.2	6.0	9.7	6.4	10.0	6.6	10.1	6.8	10.3	6.9	10.6	7.0	10.4	6.9	10.0	6.7	9.1	6.1	8.0	5.4
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																																
N	7.4	5.0	7.3	4.8	7.2	4.8	7.2	4.7	7.1	4.7	7.0	4.6	7.0	4.5	6.9	4.5	6.9	4.5	6.9	4.4	6.8	4.4	7.0	4.5	7.3	4.7	7.5	4.9	7.7	5.0	7.9	5.2	8.0	5.3	8.1	5.4	8.2	5.4	8.2	5.5	8.1	5.4	8.0	5.4	7.9	5.3	7.7	5.1
NE	8.7	5.6	8.6	5.5	8.6	5.5	8.5	5.4	8.5	5.3	8.4	5.3	8.3	5.2	8.3	5.2	8.2	5.1	8.2	5.1	8.2	5.1	8.5	5.2	9.0	5.5	9.3	5.8	9.4	5.9	9.4	6.0	9.4	6.0	9.4	6.0	9.5	6.1	9.5	6.1	9.4	6.1	9.3	6.0	9.2	5.9	9.0	5.8
E	9.7	6.1	9.6	6.0	9.5	5.9	9.5	5.9	9.4	5.8	9.3	5.7	9.2	5.7	9.2	5.6	9.2	5.6	9.1	5.6	9.1	5.5	9.5	5.7	10.0	6.1	10.4	6.3	10.6	6.5	10.6	6.6	10.6	6.6	10.5	6.6	10.4	6.6	10.5	6.6	10.4	6.6	10.3	6.5	10.1	6.4	9.9	6.3
SE	9.7	6.1	9.6	6.0	9.5	6.0	9.5	5.9	9.4	5.8	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.1	5.5	9.4	5.7	9.8	5.9	10.2	6.2	10.5	6.4	10.6	6.6	10.7	6.6	10.6	6.6	10.6	6.6	10.5	6.6	10.4	6.6	10.3	6.5	10.2	6.4	10.0	6.3
S	8.3	5.4	8.2	5.3	8.2	5.3	8.1	5.2	8.0	5.1	8.0	5.1	7.9	5.0	7.8	4.9	7.8	4.9	7.8	4.9	7.7	4.8	7.8	4.9	8.1	5.1	8.4	5.3	8.7	5.5	8.9	5.7	9.2	5.9	9.3	5.9	9.3	6.0	9.3	6.0	9.2	5.9	9.0	5.8	8.8	5.7	8.6	5.6
SW	8.7	5.6	8.6	5.5	8.5	5.4	8.5	5.4	8.4	5.3	8.3	5.2	8.2	5.2	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.0	8.2	5.1	8.5	5.3	8.7	5.5	9.0	5.7	9.2	5.8	9.3	5.9	9.5	6.1	9.7	6.2	9.8	6.3	9.8	6.2	9.6	6.2	9.4	6.0	9.1	5.8
W	8.8	5.6	8.6	5.5	8.5	5.4	8.5	5.4	8.4	5.3	8.3	5.2	8.3	5.2	8.2	5.1	8.2	5.1	8.2	5.1	8.1	5.0	8.2	5.1	8.5	5.3	8.8	5.5	9.0	5.7	9.2	5.8	9.3	6.0	9.4	6.0	9.5	6.1	9.7	6.2	9.8	6.3	9.7	6.2	9.5	6.1	9.2	5.9
NW	8.0	5.3	7.9	5.1	7.8	5.1	7.8	5.0	7.7	5.0	7.6	4.9	7.5	4.8	7.5	4.8	7.5	4.7	7.4	4.7	7.4	4.7	7.5	4.7	7.8	4.9	8.0	5.2	8.3	5.3	8.5	5.5	8.6	5.6	8.7	5.7	8.7	5.7	8.8	5.8	8.9	5.8	8.8	5.8	8.7	5.7	8.4	5.5
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																																
N	7.4	5.0	7.2	4.8	7.2	4.8	7.1	4.7	7.0	4.6	6.9	4.5	6.8	4.4	6.7	4.3	6.7	4.3	6.7	4.2	6.6	4.2	6.9	4.4	7.2	4.6	7.5	4.9	7.8	5.1	8.0	5.3	8.2	5.4	8.3	5.5	8.4	5.6	8.4	5.6	8.3	5.6	8.2	5.5	8.0	5.4	7.8	5.2
NE	8.7	5.6	8.5	5.5	8.5	5.4	8.4	5.3	8.3	5.2	8.2	5.1	8.1	5.0	8.0	5.0	8.0	4.9	8.0	4.9	7.9	4.9	8.4	5.1	9.0	5.5	9.4	5.8	9.6	6.0	9.6	6.1	9.6	6.1	9.6	6.2	9.7	6.3	9.7	6.3	9.6	6.2	9.5	6.2	9.3	6.0	9.0	5.9
E	9.6	6.1	9.5	5.9	9.4	5.9	9.3	5.8	9.2	5.7	9.1	5.6	9.0	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.3	9.3	5.6	10.0	6.0	10.6	6.4	10.8	6.6	10.9	6.7	10.9	6.8	10.7	6.7	10.7	6.7	10.7	6.8	10.6	6.7	10.5	6.6	10.2	6.5	10.0	6.3
SE	9.7	6.1	9.5	5.9	9.4	5.9	9.3	5.8	9.3	5.7	9.2	5.6	9.0	5.5	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.3	9.2	5.5	9.8	5.9	10.3	6.3	10.7	6.5	10.9	6.7	11.0	6.8	10.9	6.8	10.8	6.8	10.7	6.8	10.6	6.7	10.5	6.6	10.3	6.5	10.0	6.3
S	8.3	5.4	8.1	5.3	8.1	5.2	8.0	5.1	7.9	5.0	7.8	4.9	7.7	4.8	7.6	4.8	7.6	4.7	7.5	4.7	7.5	4.7	7.6	4.7	8.0	5.0	8.3	5.3	8.8	5.6	9.1	5.8	9.4	6.0	9.6	6.1	9.6	6.2	9.6	6.2	9.4	6.1	9.2	6.0	8.9	5.8	8.6	5.6
SW	8.7	5.6	8.5	5.4	8.4	5.4	8.3	5.3	8.3	5.2	8.1	5.1	8.0	5.0	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.8	8.0	4.9	8.3	5.2	8.7	5.5	9.0	5.7	9.3	5.9	9.5	6.1	9.7	6.2	10.0	6.4	10.1	6.5	10.1	6.5	9.9	6.4	9.6	6.2	9.1	5.9
W	8.7	5.6	8.5	5.5	8.4	5.4	8.3	5.3	8.3	5.2	8.2	5.1	8.0	5.0	8.0	5.0	8.0	4.9	7.9	4.9	7.9	4.8	8.0	4.9	8.4	5.2	8.7	5.5	9.0	5.7	9.3	5.9	9.5	6.1	9.6	6.2	9.8	6.3	10.1	6.5	10.2	6.5	10.0	6.4	9.7	6.3	9.3	6.0
NW	8.0	5.3	7.8	5.1	7.7	5.0	7.6	5.0	7.6	4.9	7.5	4.8	7.3	4.7	7.3	4.6	7.3	4.6	7.2	4.5	7.2	4.5	7.3	4.6	7.7	4.8	8.0	5.1	8.3	5.4	8.6	5.6	8.8	5.7	8.9	5.8	9.0	5.9	9.1	6.0	9.2	6.0	9.1	6.0	8.9	5.8	8.5	5.6
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																																
N	7.4	5.0	7.2	4.8	7.1	4.7	7.0	4.6	6.9	4.5	6.8	4.4	6.6	4.3	6.6	4.2	6.5	4.2	6.5	4.1	6.4	4.1	6.7	4.2	7.2	4.6	7.5	4.9	7.8	5.1	8.1	5.4	8.4	5.5	8.5	5.6	8.6	5.7	8.6	5.8	8.5	5.7	8.3	5.6	8.1	5.5	7.8	5.3
NE	8.7	5.6	8.5	5.4	8.4	5.4	8.3	5.3	8.2	5.2	8.1	5.1	7.9	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.7	4.7	8.3	5.0	9.0	5.5	9.5	5.9	9.7	6.1	9.8	6.2	9.7	6.2	9.8	6.3	9.9	6.4	9.9	6.4	9.8	6.4	9.6	6.3	9.4	6.1	9.1	5.9
E	9.6	6.1	9.4	5.9	9.3	5.8	9.2	5.7	9.1	5.6	9.0	5.5	8.9	5.4	8.8	5.3	8.8	5.3	8.7	5.2	8.7	5.2	9.2	5.5	10.1	6.0	10.7	6.5	11.0	6.7	11.1	6.8	11.1	6.9	10.9	6.8	10.8	6.8	10.8	6.9	10.7	6.8	10.6	6.7	10.3	6.6	10.0	6.4
SE	9.6	6.1	9.4	5.9	9.3	5.9	9.2	5.7	9.1	5.6	9.0	5.5	8.9	5.4	8.8	5.3	8.8	5.3	8.7	5.2	8.7	5.2	9.0	5.4	9.7	5.9	10.4	6.3	10.8	6.6	11.1	6.8	11.2	7.0	11.1	7.0	11.0	6.9	10.9	6.9	10.8	6.8	10.6	6.8	10.3	6.6	10.0	6.4
S	8.3	5.4	8.1	5.2	8.0	5.2	7.9	5.1	7.8	5.0	7.7	4.8	7.5	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.3	4.5	7.5	4.6	7.9	4.9	8.3	5.3	8.8	5.6	9.3	5.9	9.6	6.2	9.8	6.3	9.8	6.4	9.8	6.4	9.6	6.3	9.3	6.1	9.0	5.9	8.7	5.7
SW	8.7	5.6	8.4	5.4	8.3	5.4	8.2	5.2	8.1	5.1	8.0	5.0	7.9	4.9	7.8	4.8	7.8	4.8	7.7	4.7	7.7	4.7	7.8	4.8	8.3	5.1	8.7	5.4	9.1	5.7	9.4	6.0	9.6	6.2	9.9	6.4	10.2	6.5	10.4	6.7	10.4	6.7	10.1	6.5	9.7	6.3	9.2	6.0
W	8.7	5.6	8.4	5.4	8.4	5.4	8.3	5.3	8.2	5.2	8.0	5.0	7.9	4.9	7.9	4.9	7.8	4.8	7.7	4.7	7.7	4.7	7.8	4.8	8.3	5.1	8.7	5.5	9.1	5.7	9.4	6.0	9.6	6.2	9.8	6.3	10.0	6.4	10.3	6.6	10.4	6.7	10.2	6.6	9.9	6.4	9.4	6.1
NW	8.0	5.3	7.7	5.1	7.7	5.0	7.6	4.9	7.5	4.8	7.3	4.7	7.2	4.5	7.2	4.5	7.1	4.5	7.1	4.4	7.0	4.4	7.2	4.5	7.6	4.8	8.0	5.1	8.4	5.4	8.7	5.6	8.9	5.8	9.1	5.9	9.2	6.0	9.3	6.1	9.4	6.2	9.3	6.1	9.1	6.0	8.6	5.7
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																																
R	10.4	4.5	10.4	4.4	10.3	4.4	10.3	4.3	10.2	4.2	10.1	4.2	10.1	4.1	10.1	4.1	10.1	4.1	10.0	4.1	10.2	4.1	10.6	4.4	11.1	4.7	11.4	5.0	11.8	5.2	12.0	5.3	12.1	5.4	12.1	5.4	12.1	5.4	11.9	5.3	11.6	5.2	11.3	5.0	10.9	4.8	10.6	4.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :ISPARTA (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	6.3	4.3	6.0	4.0	5.7	3.7	5.3	3.3	4.9	2.9	4.7	2.7	4.5	2.6	4.4	2.4	4.2	2.3	5.2	2.8	6.6	3.8	7.5	4.7	8.6	5.5	9.5	6.3	10.3	6.9	10.7	7.2	11.0	7.5	11.1	7.7	10.7	7.5	10.2	7.2	9.5	6.7	8.6	6.1	7.3	5.2	6.5	4.5
NE	7.4	4.9	7.0	4.5	6.7	4.2	6.4	3.9	5.9	3.4	5.8	3.3	5.6	3.1	5.4	2.9	5.3	2.8	7.1	3.8	9.3	5.2	10.9	6.4	11.5	7.0	11.7	7.4	11.6	7.6	11.8	7.8	12.1	8.0	12.1	8.2	11.8	8.0	11.3	7.7	10.5	7.2	9.5	6.5	8.3	5.6	7.6	5.1
E	8.2	5.3	7.8	4.9	7.5	4.6	7.1	4.2	6.7	3.8	6.6	3.7	6.4	3.5	6.2	3.3	6.1	3.2	7.9	4.2	10.5	5.8	12.5	7.2	13.4	8.0	13.7	8.4	13.6	8.6	13.0	8.4	12.8	8.4	12.9	8.6	12.6	8.4	12.1	8.1	11.3	7.6	10.3	6.9	9.0	6.0	8.4	5.5
SE	8.2	5.3	7.9	5.0	7.6	4.7	7.2	4.3	6.8	3.8	6.6	3.7	6.5	3.5	6.3	3.4	6.2	3.2	7.3	3.8	9.5	5.3	11.6	6.7	12.9	7.7	13.7	8.4	14.1	8.8	13.9	8.8	13.4	8.7	13.0	8.6	12.7	8.4	12.2	8.1	11.4	7.6	10.4	7.0	9.1	6.1	8.5	5.5
S	7.1	4.7	6.7	4.4	6.4	4.1	6.0	3.7	5.6	3.2	5.5	3.1	5.3	2.9	5.1	2.8	5.0	2.6	5.4	2.9	6.8	4.0	8.1	5.0	9.7	6.1	11.1	7.1	12.2	7.8	12.7	8.2	12.9	8.5	12.9	8.6	12.2	8.2	11.2	7.7	10.2	7.1	9.2	6.4	7.9	5.5	7.3	4.9
SW	7.3	4.9	7.0	4.5	6.7	4.2	6.3	3.8	5.9	3.4	5.7	3.3	5.6	3.1	5.4	2.9	5.3	2.8	5.7	3.1	7.1	4.1	8.4	5.2	9.6	6.1	10.6	6.8	11.3	7.4	12.3	8.0	13.2	8.6	13.8	9.0	13.7	9.0	12.9	8.5	11.7	7.8	10.1	6.8	8.3	5.7	7.6	5.1
W	7.4	4.9	7.0	4.5	6.7	4.2	6.3	3.8	5.9	3.4	5.8	3.3	5.6	3.1	5.4	2.9	5.3	2.8	5.7	3.1	7.1	4.1	8.4	5.2	9.6	6.1	10.6	6.8	11.4	7.4	11.8	7.7	12.5	8.3	13.5	8.9	13.8	9.0	13.3	8.7	12.3	8.1	10.5	7.0	8.5	5.8	7.6	5.1
NW	6.8	4.6	6.4	4.2	6.1	3.9	5.8	3.6	5.3	3.1	5.2	3.0	5.0	2.8	4.8	2.6	4.7	2.5	5.2	2.8	6.5	3.8	7.9	4.9	9.0	5.8	10.0	6.5	10.8	7.1	11.2	7.5	11.5	7.7	11.8	8.0	12.1	8.2	11.9	8.0	11.2	7.6	9.8	6.7	7.9	5.5	7.0	4.8
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.6	5.0	7.5	4.9	7.4	4.9	7.4	4.9	7.3	4.8	7.3	4.8	7.3	4.8	7.2	4.7	7.2	4.7	7.2	4.7	7.2	4.7	7.2	4.7	7.3	4.7	7.4	4.8	7.5	4.9	7.6	5.0	7.7	5.0	7.7	5.1	7.8	5.1	7.8	5.2	7.8	5.2	7.8	5.2	7.7	5.1	7.7	5.1
NE	8.9	5.7	8.8	5.6	8.7	5.6	8.7	5.5	8.7	5.5	8.7	5.5	8.6	5.4	8.6	5.4	8.6	5.4	8.6	5.4	8.5	5.4	8.5	5.3	8.7	5.4	8.9	5.6	9.1	5.7	9.1	5.7	9.1	5.8	9.1	5.8	9.1	5.8	9.2	5.8	9.2	5.9	9.1	5.8	9.1	5.8	9.0	5.8
E	9.9	6.2	9.8	6.1	9.7	6.0	9.7	6.0	9.7	6.0	9.6	6.0	9.6	5.9	9.6	5.9	9.5	5.9	9.5	5.9	9.5	5.8	9.5	5.8	9.7	5.9	9.9	6.1	10.1	6.2	10.2	6.3	10.2	6.3	10.2	6.3	10.2	6.3	10.1	6.3	10.2	6.3	10.1	6.3	10.1	6.3	10.0	6.2
SE	9.9	6.2	9.8	6.1	9.7	6.0	9.7	6.0	9.7	6.0	9.6	6.0	9.6	5.9	9.6	5.9	9.6	5.9	9.5	5.9	9.5	5.8	9.5	5.8	9.6	5.9	9.8	6.0	10.0	6.2	10.2	6.3	10.2	6.3	10.3	6.4	10.2	6.4	10.2	6.4	10.2	6.3	10.1	6.3	10.1	6.3	10.0	6.3
S	8.5	5.5	8.4	5.4	8.3	5.3	8.3	5.3	8.3	5.3	8.2	5.3	8.2	5.2	8.2	5.2	8.1	5.2	8.1	5.2	8.1	5.1	8.1	5.1	8.1	5.2	8.3	5.3	8.4	5.4	8.5	5.5	8.7	5.5	8.8	5.6	8.8	5.7	8.9	5.7	8.8	5.7	8.8	5.7	8.7	5.6	8.6	5.5
SW	8.9	5.7	8.8	5.6	8.7	5.5	8.7	5.5	8.6	5.5	8.6	5.5	8.6	5.4	8.5	5.4	8.5	5.4	8.5	5.3	8.5	5.3	8.5	5.3	8.5	5.3	8.6	5.4	8.8	5.5	8.9	5.6	9.0	5.7	9.1	5.8	9.1	5.8	9.2	5.9	9.3	5.9	9.3	5.9	9.2	5.9	9.1	5.8
W	9.0	5.7	8.8	5.6	8.7	5.5	8.7	5.5	8.7	5.5	8.6	5.5	8.6	5.4	8.5	5.4	8.5	5.4	8.5	5.4	8.5	5.3	8.5	5.3	8.5	5.4	8.7	5.4	8.8	5.6	8.9	5.6	9.0	5.7	9.1	5.8	9.1	5.8	9.2	5.8	9.3	5.9	9.3	5.9	9.3	5.9	9.2	5.8
NW	8.2	5.4	8.1	5.2	8.0	5.2	8.0	5.2	7.9	5.1	7.9	5.1	7.9	5.1	7.8	5.0	7.8	5.0	7.8	5.0	7.8	5.0	7.8	5.0	7.8	5.0	7.9	5.1	8.1	5.2	8.2	5.3	8.3	5.3	8.3	5.4	8.4	5.4	8.4	5.5	8.4	5.5	8.5	5.5	8.5	5.5	8.4	5.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	7.4	5.0	7.2	4.8	7.1	4.7	7.0	4.6	6.9	4.6	6.8	4.4	6.7	4.3	6.7	4.3	6.6	4.2	6.6	4.2	6.5	4.1	6.8	4.3	7.2	4.6	7.5	4.9	7.8	5.1	8.1	5.3	8.3	5.5	8.4	5.6	8.5	5.7	8.5	5.7	8.4	5.7	8.3	5.6	8.1	5.4	7.8	5.3
NE	8.7	5.6	8.5	5.5	8.4	5.4	8.3	5.3	8.2	5.2	8.1	5.1	8.0	5.0	8.0	4.9	7.9	4.9	7.9	4.8	7.8	4.8	8.3	5.1	9.0	5.5	9.5	5.8	9.6	6.0	9.7	6.1	9.7	6.2	9.7	6.2	9.8	6.3	9.8	6.4	9.7	6.3	9.6	6.2	9.4	6.1	9.1	5.9
E	9.6	6.1	9.4	5.9	9.4	5.9	9.3	5.8	9.2	5.7	9.1	5.6	8.9	5.4	8.9	5.4	8.8	5.3	8.8	5.3	8.7	5.2	9.3	5.5	10.1	6.0	10.7	6.4	10.9	6.7	11.0	6.8	11.0	6.8	10.8	6.8	10.7	6.8	10.8	6.8	10.7	6.8	10.5	6.7	10.3	6.5	10.0	6.3
SE	9.6	6.1	9.4	5.9	9.4	5.9	9.3	5.8	9.2	5.7	9.1	5.6	8.9	5.4	8.9	5.4	8.9	5.3	8.8	5.3	8.8	5.3	9.1	5.4	9.7	5.9	10.4	6.3	10.8	6.6	11.0	6.8	11.1	6.9	11.1	6.9	10.9	6.9	10.8	6.8	10.7	6.8	10.5	6.7	10.3	6.6	10.0	6.4
S	8.3	5.4	8.1	5.2	8.0	5.2	7.9	5.1	7.8	5.0	7.7	4.9	7.6	4.8	7.5	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.5	4.7	7.9	5.0	8.3	5.3	8.8	5.6	9.2	5.9	9.5	6.1	9.7	6.2	9.7	6.3	9.7	6.3	9.5	6.2	9.3	6.1	8.9	5.9	8.6	5.7
SW	8.7	5.6	8.4	5.4	8.4	5.4	8.3	5.3	8.2	5.2	8.1	5.1	7.9	4.9	7.9	4.9	7.9	4.8	7.8	4.8	7.8	4.7	7.9	4.8	8.3	5.1	8.7	5.5	9.0	5.7	9.3	5.9	9.6	6.1	9.8	6.3	10.1	6.5	10.3	6.6	10.3	6.6	10.0	6.4	9.7	6.2	9.2	5.9
W	8.7	5.6	8.5	5.4	8.4	5.4	8.3	5.3	8.2	5.2	8.1	5.1	8.0	4.9	7.9	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.9	4.9	8.3	5.2	8.7	5.5	9.1	5.7	9.3	6.0	9.6	6.1	9.7	6.2	9.9	6.4	10.2	6.6	10.3	6.6	10.1	6.5	9.8	6.3	9.3	6.0
NW	8.0	5.3	7.8	5.1	7.7	5.0	7.6	4.9	7.5	4.8	7.4	4.7	7.3	4.6	7.2	4.6	7.2	4.5	7.1	4.5	7.1	4.4	7.2	4.5	7.6	4.8	8.0	5.1	8.4	5.4	8.6	5.6	8.9	5.8	9.0	5.9	9.1	6.0	9.2	6.0	9.3	6.1	9.2	6.1	9.0	5.9	8.6	5.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.5	4.9	7.4	4.9	7.4	4.9	7.4	4.8	7.3	4.8	7.3	4.8	7.3	4.8	7.3	4.7	7.2	4.7	7.2	4.7	7.2	4.7	7.3	4.7	7.4	4.8	7.5	4.9	7.6	5.0	7.6	5.0	7.7	5.1	7.7	5.1	7.7	5.1	7.8	5.1	7.7	5.1	7.7	5.1	7.6	5.1	7.6	5.0
NE	8.8	5.6	8.8	5.6	8.7	5.6	8.7	5.5	8.7	5.5	8.7	5.5	8.6	5.4	8.6	5.4	8.6	5.4	8.6	5.4	8.6	5.4	8.7	5.5	8.9	5.6	9.0	5.7	9.1	5.7	9.1	5.7	9.1	5.8	9.1	5.8	9.1	5.8	9.1	5.8	9.1	5.8	9.1	5.8	9.0	5.7	8.9	5.7
E	9.8	6.1	9.7	6.1	9.7	6.0	9.7	6.0	9.7	6.0	9.6	6.0	9.6	5.9	9.6	5.9	9.6	5.9	9.6	5.9	9.6	5.9	9.7	6.0	9.9	6.1	10.1	6.2	10.1	6.3	10.2	6.3	10.2	6.3	10.1	6.3	10.1	6.3	10.1	6.3	10.1	6.3	10.0	6.3	10.0	6.2	9.9	6.2
SE	9.8	6.1	9.7	6.1	9.7	6.0	9.7	6.0	9.7	6.0	9.7	6.0	9.6	5.9	9.6	5.9	9.6	5.9	9.6	5.9	9.6	5.9	9.7	5.9	9.8	6.0	10.0	6.2	10.1	6.2	10.2	6.3	10.2	6.3	10.2	6.3	10.1	6.3	10.1	6.3	10.1	6.3	10.0	6.3	10.0	6.2	9.9	6.2
S	8.4	5.4	8.3	5.4	8.3	5.3	8.3	5.3	8.3	5.3	8.2	5.3	8.2	5.2	8.2	5.2	8.2	5.2	8.2	5.2	8.2	5.2	8.2	5.2	8.3	5.3	8.4	5.4	8.5	5.4	8.6	5.5	8.7	5.6	8.8	5.6	8.8	5.6	8.8	5.6	8.7	5.6	8.6	5.6	8.6	5.5	8.5	5.5
SW	8.8	5.6	8.7	5.5	8.7	5.5	8.7	5.5	8.6	5.5	8.6	5.4	8.6	5.4	8.6	5.4	8.6	5.4	8.5	5.4	8.5	5.4	8.6	5.4	8.7	5.5	8.8	5.5	8.9	5.6	8.9	5.7	9.0	5.7	9.1	5.8	9.2	5.8	9.2	5.9	9.2	5.8	9.1	5.8	9.0	5.8	8.9	5.7
W	8.8	5.6	8.7	5.5	8.7	5.5	8.7	5.5	8.7	5.5	8.6	5.5	8.6	5.4	8.6	5.4	8.6	5.4	8.6	5.4	8.6	5.4	8.6	5.4	8.7	5.5	8.8	5.6	8.9	5.6	9.0	5.7	9.0	5.7	9.1	5.8	9.1	5.8	9.2	5.8	9.2	5.9	9.2	5.8	9.1	5.8	9.0	5.7
NW	8.1	5.2	8.0	5.2	8.0	5.2	8.0	5.1	7.9	5.1	7.9	5.1	7.9	5.1	7.9	5.0	7.8	5.0	7.8	5.0	7.8	5.0	7.9	5.0	8.0	5.1	8.1	5.2	8.2	5.3	8.2	5.3	8.3	5.4	8.3	5.4	8.3	5.4	8.4	5.4	8.4	5.4	8.4	5.4	8.3	5.4	8.2	5.3
	R2 - 12cm Concrete+2 cm plaster																																															
R	3.6	0.4	2.8	-0.4	1.9	-1.3	1.6	-1.6	1.3	-2.0	0.9	-2.3	0.6	-2.6	2.3	-1.6	7.2	1.6	12.6	5.0	17.2	8.0	20.9	10.4	23.6	12.3	24.9	13.1	25.1	13.5	24.9	13.6	22.7	12.5	19.2	10.7	15.4	8.6	11.3	6.1	7.2	3.5	5.4	2.2	5.0	1.7	4.2	1.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY : İSTANBUL (41.01)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.1	5.9	7.9	5.7	7.8	5.7	7.8	5.6	7.7	5.5	7.5	5.3	7.4	5.3	7.4	5.2	7.3	5.2	7.3	5.2	7.6	5.4	8.4	5.9	9.0	6.3	9.5	6.7	9.9	7.0	10.2	7.3	10.5	7.5	10.6	7.6	10.5	7.5	10.3	7.4	10.0	7.3	9.7	7.0	9.5	6.9	9.1	6.5
NE	8.8	6.3	8.5	6.1	8.5	6.0	8.4	5.9	8.3	5.8	8.1	5.6	8.0	5.6	8.0	5.6	8.0	5.5	8.0	5.5	8.3	5.7	9.4	6.4	10.8	7.3	11.2	7.6	11.2	7.6	11.0	7.6	11.1	7.8	11.2	7.9	11.1	7.9	11.0	7.8	10.7	7.6	10.3	7.3	9.8	7.0	9.1	6.5
E	9.8	6.8	9.5	6.6	9.4	6.5	9.4	6.4	9.3	6.3	9.1	6.1	9.0	6.1	9.0	6.1	9.0	6.0	8.9	6.0	9.3	6.2	10.5	7.0	12.3	8.0	13.0	8.4	13.2	8.6	13.0	8.7	12.5	8.5	12.2	8.4	12.1	8.4	12.0	8.3	11.6	8.1	11.3	7.8	10.8	7.5	10.1	7.0
SE	9.8	6.8	9.5	6.5	9.4	6.5	9.4	6.4	9.3	6.3	9.1	6.1	9.0	6.1	9.0	6.0	8.9	6.0	8.9	6.0	9.2	6.2	10.2	6.8	11.7	7.7	12.6	8.3	13.2	8.6	13.4	8.8	13.2	8.8	12.7	8.7	12.1	8.3	11.9	8.2	11.6	8.1	11.2	7.8	10.7	7.5	10.1	7.0
S	9.5	6.7	9.3	6.4	9.2	6.4	9.2	6.3	9.1	6.2	8.9	6.0	8.8	6.0	8.8	5.9	8.8	5.9	8.7	5.9	9.0	6.0	9.7	6.6	10.4	7.0	11.2	7.5	12.0	8.0	12.7	8.5	13.1	8.8	13.2	8.9	13.0	8.8	12.5	8.5	11.8	8.1	11.0	7.7	10.5	7.4	9.9	6.9
SW	10.6	7.2	10.4	7.0	10.3	6.9	10.2	6.8	10.1	6.8	9.9	6.5	9.9	6.5	9.9	6.5	9.8	6.4	9.8	6.4	10.0	6.6	10.8	7.1	11.4	7.6	11.9	7.9	12.4	8.2	12.7	8.5	13.5	9.0	14.2	9.4	14.6	9.6	14.6	9.6	14.4	9.4	14.0	9.2	12.8	8.5	11.7	7.8
W	10.9	7.3	10.7	7.1	10.6	7.1	10.6	7.0	10.5	6.9	10.3	6.7	10.2	6.7	10.2	6.6	10.2	6.6	10.1	6.6	10.4	6.7	11.1	7.3	11.8	7.7	12.3	8.1	12.7	8.4	13.0	8.7	13.3	8.9	13.8	9.2	14.5	9.6	14.9	9.7	15.1	9.8	15.2	9.8	13.9	9.1	13.0	8.5
NW	9.7	6.7	9.5	6.5	9.4	6.5	9.4	6.4	9.3	6.3	9.1	6.1	9.0	6.1	9.0	6.0	8.9	6.0	8.9	6.0	9.2	6.1	9.9	6.7	10.6	7.1	11.1	7.5	11.5	7.8	11.8	8.1	12.1	8.3	12.2	8.4	12.2	8.4	12.7	8.6	13.0	8.7	13.2	8.8	12.4	8.3	11.7	7.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.9	6.4	8.6	6.2	8.5	6.1	8.5	6.1	8.5	6.1	8.4	6.0	8.4	6.0	8.3	6.0	8.3	6.0	8.3	5.9	8.3	5.9	8.4	6.0	8.7	6.2	8.9	6.3	9.0	6.4	9.1	6.5	9.3	6.6	9.3	6.7	9.4	6.7	9.3	6.7	9.3	6.7	9.2	6.6	9.1	6.5	9.0	6.5
NE	9.4	6.6	9.3	6.5	9.2	6.5	9.2	6.4	9.2	6.4	9.1	6.4	9.1	6.3	9.1	6.3	9.1	6.3	9.0	6.3	9.0	6.3	9.1	6.4	9.5	6.6	9.9	6.8	10.1	6.9	10.1	7.0	10.0	7.0	10.1	7.0	10.1	7.1	10.1	7.0	10.0	7.0	9.9	7.0	9.8	6.9	9.6	6.8
E	10.5	7.2	10.4	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.2	6.9	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.8	10.1	6.8	10.2	6.9	10.6	7.1	11.2	7.5	11.4	7.6	11.5	7.7	11.4	7.7	11.3	7.6	11.2	7.6	11.1	7.6	11.1	7.6	11.0	7.5	10.9	7.4	10.7	7.3
SE	10.5	7.2	10.4	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.2	6.9	10.2	6.9	10.1	6.9	10.1	6.8	10.1	6.8	10.1	6.8	10.2	6.9	10.5	7.1	11.0	7.4	11.3	7.6	11.5	7.7	11.5	7.7	11.5	7.7	11.3	7.7	11.1	7.6	11.1	7.6	11.0	7.5	10.9	7.4	10.7	7.3
S	10.3	7.0	10.1	7.0	10.1	6.9	10.0	6.9	10.0	6.8	10.0	6.8	9.9	6.7	9.9	6.7	9.9	6.7	9.9	6.7	9.9	6.7	10.0	6.8	10.2	6.9	10.4	7.1	10.7	7.2	10.9	7.4	11.1	7.5	11.3	7.6	11.3	7.7	11.3	7.6	11.1	7.6	10.9	7.4	10.6	7.3	10.5	7.2
SW	11.7	7.8	11.3	7.5	11.2	7.5	11.2	7.5	11.2	7.4	11.2	7.4	11.1	7.3	11.1	7.3	11.1	7.3	11.1	7.3	11.1	7.3	11.1	7.4	11.4	7.5	11.6	7.7	11.8	7.8	11.9	7.9	12.0	8.0	12.3	8.1	12.5	8.3	12.6	8.3	12.6	8.3	12.5	8.3	12.4	8.2	12.0	8.0
W	12.4	8.1	11.7	7.7	11.6	7.7	11.6	7.6	11.6	7.6	11.5	7.6	11.5	7.5	11.5	7.5	11.5	7.5	11.4	7.5	11.4	7.5	11.5	7.5	11.8	7.7	12.0	7.9	12.1	8.0	12.3	8.1	12.4	8.2	12.5	8.2	12.6	8.3	12.8	8.4	13.0	8.5	13.0	8.5	13.1	8.5	12.7	8.3
NW	11.0	7.4	10.4	7.1	10.3	7.0	10.3	7.0	10.2	7.0	10.2	6.9	10.1	6.9	10.1	6.8	10.1	6.8	10.1	6.8	10.1	6.8	10.2	6.9	10.4	7.0	10.6	7.2	10.8	7.3	10.9	7.4	11.0	7.5	11.1	7.6	11.1	7.6	11.2	7.6	11.3	7.7	11.4	7.7	11.5	7.7	11.2	7.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.9	6.4	8.5	6.1	8.4	6.1	8.4	6.0	8.3	6.0	8.3	6.0	8.2	5.9	8.2	5.8	8.2	5.8	8.2	5.8	8.1	5.8	8.3	5.9	8.6	6.1	8.9	6.3	9.1	6.5	9.3	6.6	9.4	6.7	9.5	6.8	9.6	6.8	9.5	6.8	9.5	6.8	9.3	6.7	9.2	6.6	9.1	6.5
NE	9.4	6.6	9.2	6.5	9.1	6.4	9.1	6.4	9.0	6.3	9.0	6.3	8.9	6.2	8.9	6.2	8.9	6.2	8.9	6.2	8.8	6.1	9.0	6.2	9.5	6.6	10.1	6.9	10.3	7.1	10.3	7.1	10.2	7.1	10.2	7.2	10.3	7.2	10.2	7.2	10.2	7.1	10.0	7.1	9.9	7.0	9.6	6.8
E	10.4	7.1	10.3	7.0	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.8	10.0	6.7	10.0	6.7	10.0	6.7	9.9	6.7	9.9	6.7	10.1	6.8	10.6	7.1	11.4	7.6	11.7	7.8	11.8	7.8	11.7	7.9	11.5	7.8	11.3	7.7	11.3	7.7	11.2	7.7	11.1	7.6	10.9	7.5	10.7	7.3
SE	10.4	7.1	10.3	7.0	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.8	10.0	6.7	9.9	6.7	9.9	6.7	9.9	6.7	9.9	6.7	10.0	6.8	10.5	7.1	11.1	7.4	11.5	7.7	11.8	7.8	11.9	7.9	11.8	7.9	11.6	7.8	11.3	7.7	11.2	7.7	11.1	7.6	10.9	7.5	10.7	7.3
S	10.2	7.0	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.8	6.7	9.7	6.6	9.7	6.6	9.7	6.6	9.7	6.6	9.7	6.6	9.8	6.6	10.1	6.9	10.4	7.1	10.8	7.3	11.1	7.5	11.4	7.7	11.6	7.8	11.6	7.9	11.5	7.8	11.3	7.7	11.0	7.6	10.7	7.4	10.5	7.2
SW	11.7	7.8	11.2	7.5	11.1	7.4	11.1	7.4	11.0	7.3	11.0	7.3	10.9	7.2	10.9	7.2	10.9	7.2	10.9	7.2	10.8	7.1	11.0	7.2	11.3	7.5	11.6	7.6	11.8	7.8	12.0	7.9	12.1	8.1	12.5	8.3	12.8	8.4	12.9	8.5	12.9	8.5	12.8	8.5	12.7	8.4	12.1	8.1
W	12.5	8.2	11.6	7.7	11.5	7.6	11.4	7.5	11.4	7.5	11.4	7.5	11.3	7.4	11.2	7.4	11.2	7.4	11.2	7.3	11.2	7.3	11.3	7.4	11.7	7.6	11.9	7.8	12.1	8.0	12.3	8.1	12.5	8.2	12.6	8.3	12.8	8.5	13.1	8.6	13.3	8.7	13.4	8.7	13.4	8.7	12.9	8.4
NW	11.1	7.5	10.2	7.0	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.8	10.0	6.7	9.9	6.7	9.9	6.7	9.9	6.7	9.9	6.7	10.0	6.7	10.3	7.0	10.6	7.2	10.8	7.3	11.0	7.5	11.2	7.6	11.3	7.7	11.3	7.7	11.3	7.7	11.5	7.8	11.7	7.9	11.8	7.9	11.4	7.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.9	6.4	8.4	6.1	8.3	6.0	8.3	6.0	8.3	5.9	8.2	5.9	8.1	5.8	8.1	5.7	8.1	5.7	8.0	5.7	8.0	5.7	8.2	5.8	8.6	6.1	8.9	6.3	9.1	6.5	9.4	6.7	9.5	6.8	9.7	6.9	9.7	7.0	9.7	6.9	9.6	6.9	9.4	6.8	9.2	6.7	9.2	6.6
NE	9.3	6.6	9.1	6.5	9.0	6.4	9.0	6.3	8.9	6.3	8.9	6.2	8.8	6.1	8.8	6.1	8.8	6.1	8.7	6.1	8.7	6.0	8.9	6.2	9.5	6.5	10.2	7.0	10.4	7.1	10.4	7.2	10.3	7.2	10.4	7.3	10.4	7.3	10.4	7.3	10.3	7.2	10.1	7.1	9.9	7.0	9.7	6.8
E	10.4	7.1	10.2	7.0	10.1	6.9	10.0	6.8	10.0	6.8	10.0	6.8	9.8	6.6	9.8	6.6	9.8	6.6	9.8	6.6	9.8	6.6	10.0	6.7	10.6	7.1	11.5	7.6	11.9	7.9	12.0	8.0	11.9	8.0	11.6	7.9	11.5	7.8	11.4	7.8	11.3	7.8	11.2	7.7	11.0	7.5	10.7	7.4
SE	10.4	7.1	10.2	7.0	10.1	6.9	10.0	6.8	10.0	6.8	9.9	6.8	9.8	6.6	9.8	6.6	9.8	6.6	9.8	6.6	9.8	6.6	9.9	6.7	10.4	7.0	11.2	7.5	11.7	7.8	12.0	8.0	12.1	8.1	12.0	8.1	11.8	8.0	11.4	7.8	11.3	7.8	11.2	7.7	11.0	7.5	10.7	7.4
S	10.1	7.0	10.0	6.9	9.8	6.8	9.8	6.7	9.8	6.7	9.7	6.6	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.5	6.5	9.7	6.5	10.1	6.8	10.4	7.1	10.8	7.3	11.2	7.6	11.6	7.8	11.8	8.0	11.9	8.0	11.8	8.0	11.5	7.8	11.1	7.6	10.7	7.4	10.5	7.2
SW	11.7	7.8	11.1	7.4	11.0	7.3	10.9	7.3	10.9	7.3	10.9	7.2	10.8	7.1	10.7	7.1	10.7	7.1	10.7	7.0	10.7	7.0	10.8	7.1	11.2	7.4	11.5	7.6	11.8	7.8	12.0	8.0	12.2	8.1	12.6	8.4	13.0	8.6	13.2	8.7	13.2	8.7	13.1	8.6	12.9	8.5	12.2	8.1
W	12.5	8.2	11.5	7.6	11.3	7.5	11.3	7.5	11.3	7.4	11.2	7.4	11.1	7.3	11.1	7.3	11.1	7.3	11.1	7.2	11.0	7.2	11.2	7.3	11.6	7.6	11.9	7.8	12.2	8.0	12.4	8.2	12.6	8.3	12.7	8.4	13.0	8.6	13.3	8.8	13.5	8.9	13.6	8.9	13.7	8.9	13.0	8.5
NW	11.2	7.5	10.2	7.0	10.1	6.9	10.0	6.8	10.0	6.8	9.9	6.8	9.8	6.6	9.8	6.6	9.8	6.6	9.8	6.6	9.7	6.6	9.9	6.7	10.3	6.9	10.6	7.2	10.9	7.4	11.1	7.5	11.3	7.7	11.4	7.8	11.5	7.8	11.5	7.8	11.7	7.9	11.9	8.0	12.0	8.0	11.6	7.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.0	6.4	12.9	6.4	12.9	6.3	12.9	6.3	12.8	6.3	12.8	6.2	12.8	6.2	12.8	6.2	12.7	6.2	12.7	6.2	12.8	6.3	13.2	6.5	13.6	6.7	14.0	7.0	14.3	7.1	14.6	7.3	14.7	7.4	14.8	7.4	14.7	7.4	14.5	7.3	14.2	7.2	14.0	7.0	13.5	6.8	13.2	6.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY : İSTANBUL (41.01)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.3	5.4	7.2	5.3	7.1	5.2	7.0	5.0	6.6	4.7	6.5	4.6	6.5	4.6	6.4	4.5	6.4	4.4	6.8	4.8	8.2	5.7	9.1	6.4	9.9	6.9	10.6	7.4	11.2	7.9	11.6	8.3	11.7	8.4	11.6	8.4	11.3	8.2	10.8	7.9	10.2	7.5	9.9	7.2	9.3	6.6	7.7	5.7
NE	7.9	5.7	7.8	5.5	7.7	5.5	7.5	5.3	7.2	5.0	7.1	4.9	7.1	4.9	7.0	4.8	6.9	4.7	7.5	5.1	9.3	6.3	11.7	7.6	12.3	8.1	12.3	8.3	11.9	8.3	12.2	8.5	12.3	8.7	12.2	8.6	11.9	8.5	11.4	8.2	10.7	7.8	9.9	7.2	8.9	6.4	8.3	6.0
E	8.8	6.1	8.6	6.0	8.5	5.9	8.4	5.8	8.0	5.4	8.0	5.3	8.0	5.3	7.9	5.2	7.8	5.2	8.4	5.5	10.4	6.8	13.3	8.5	14.5	9.2	14.8	9.5	14.5	9.6	13.7	9.3	13.2	9.1	13.1	9.1	12.8	8.9	12.3	8.6	11.6	8.2	10.8	7.6	9.7	6.9	9.2	6.5
SE	8.7	6.1	8.6	6.0	8.5	5.9	8.4	5.7	8.0	5.4	7.9	5.3	7.9	5.3	7.8	5.2	7.8	5.1	8.3	5.5	10.0	6.6	12.4	8.0	13.9	8.9	14.8	9.5	15.1	9.9	14.8	9.9	14.1	9.6	13.0	9.1	12.7	8.9	12.2	8.6	11.6	8.2	10.8	7.6	9.7	6.9	9.2	6.5
S	8.6	6.0	8.4	5.9	8.3	5.8	8.2	5.7	7.9	5.3	7.8	5.2	7.8	5.2	7.7	5.1	7.6	5.1	8.0	5.3	9.3	6.3	10.3	7.0	11.7	7.8	13.0	8.6	14.1	9.4	14.8	9.8	15.0	10.0	14.7	9.9	13.8	9.4	12.7	8.8	11.4	8.1	10.6	7.5	9.5	6.8	9.0	6.4
SW	9.5	6.5	9.4	6.4	9.3	6.3	9.2	6.1	8.8	5.8	8.7	5.7	8.7	5.7	8.6	5.6	8.6	5.5	9.0	5.8	10.3	6.7	11.3	7.4	12.1	8.0	12.8	8.5	13.4	9.0	14.7	9.8	15.8	10.4	16.5	10.8	16.4	10.8	16.1	10.5	15.5	10.2	13.5	9.0	11.8	7.9	9.9	6.8
W	9.8	6.7	9.7	6.5	9.6	6.4	9.5	6.3	9.1	5.9	9.0	5.8	9.0	5.8	8.9	5.7	8.9	5.7	9.3	6.0	10.6	6.9	11.6	7.6	12.4	8.2	13.1	8.7	13.7	9.2	14.1	9.5	14.9	10.0	16.1	10.6	16.7	10.9	17.1	11.0	17.2	11.0	15.2	9.8	13.6	8.8	10.2	7.0
NW	8.8	6.1	8.6	6.0	8.5	5.9	8.4	5.8	8.0	5.4	8.0	5.3	7.9	5.3	7.9	5.2	7.8	5.2	8.2	5.4	9.5	6.3	10.5	7.1	11.3	7.7	12.0	8.2	12.6	8.6	13.0	9.0	13.2	9.1	13.2	9.2	14.0	9.5	14.4	9.7	14.8	9.8	13.5	9.0	12.4	8.2	9.1	6.4
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.9	6.4	8.8	6.3	8.7	6.2	8.7	6.2	8.6	6.2	8.6	6.2	8.6	6.2	8.6	6.1	8.6	6.1	8.6	6.1	8.6	6.1	8.6	6.1	8.6	6.1	8.7	6.2	8.8	6.3	8.9	6.3	9.0	6.4	9.0	6.4	9.1	6.5	9.1	6.5	9.1	6.5	9.0	6.5	9.0	6.4	8.9	6.4
NE	9.6	6.7	9.5	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.5	6.6	9.7	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.9	9.8	6.8	9.8	6.8	9.7	6.8	9.7	6.8
E	10.7	7.3	10.6	7.2	10.5	7.2	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.4	7.1	10.4	7.0	10.4	7.0	10.4	7.0	10.4	7.0	10.5	7.1	10.6	7.2	10.9	7.3	11.0	7.4	11.1	7.4	11.0	7.5	11.0	7.4	10.9	7.4	10.9	7.4	10.9	7.4	10.8	7.4	10.8	7.3
SE	10.7	7.3	10.6	7.2	10.5	7.2	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.4	7.1	10.4	7.0	10.4	7.0	10.4	7.0	10.4	7.0	10.4	7.1	10.6	7.2	10.8	7.3	11.0	7.4	11.1	7.4	11.1	7.5	11.1	7.5	11.0	7.5	10.9	7.4	10.9	7.4	10.8	7.4	10.8	7.3
S	10.4	7.1	10.3	7.1	10.3	7.0	10.3	7.0	10.2	7.0	10.2	7.0	10.2	7.0	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.3	7.0	10.4	7.1	10.5	7.2	10.7	7.3	10.8	7.3	10.8	7.4	10.9	7.4	10.8	7.4	10.7	7.3	10.6	7.3	10.5	7.2
SW	11.8	7.8	11.7	7.7	11.5	7.6	11.5	7.6	11.4	7.6	11.4	7.6	11.4	7.6	11.4	7.5	11.4	7.5	11.4	7.5	11.4	7.5	11.4	7.5	11.4	7.5	11.5	7.6	11.6	7.7	11.7	7.8	11.8	7.8	11.8	7.8	12.0	7.9	12.1	8.0	12.1	8.0	12.1	8.0	12.1	8.0	12.0	8.0
W	12.3	8.1	12.2	8.0	11.9	7.8	11.8	7.8	11.8	7.8	11.8	7.8	11.8	7.8	11.8	7.7	11.8	7.7	11.8	7.7	11.8	7.7	11.7	7.7	11.8	7.7	11.9	7.8	12.0	7.9	12.1	7.9	12.2	8.0	12.2	8.0	12.2	8.1	12.3	8.1	12.4	8.2	12.5	8.2	12.5	8.2	12.5	8.2
NW	10.9	7.4	10.8	7.3	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.4	7.1	10.4	7.0	10.4	7.0	10.4	7.0	10.4	7.0	10.4	7.0	10.4	7.0	10.5	7.1	10.6	7.2	10.7	7.3	10.8	7.3	10.8	7.4	10.9	7.4	10.9	7.4	10.9	7.4	11.0	7.4	11.0	7.5	11.1	7.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	8.9	6.4	8.5	6.1	8.4	6.0	8.3	6.0	8.3	6.0	8.2	5.9	8.1	5.8	8.1	5.8	8.1	5.8	8.1	5.8	8.1	5.7	8.2	5.8	8.6	6.1	8.9	6.3	9.1	6.5	9.3	6.6	9.5	6.8	9.6	6.9	9.7	6.9	9.6	6.9	9.5	6.9	9.4	6.8	9.2	6.7	9.1	6.6
NE	9.3	6.6	9.2	6.5	9.1	6.4	9.0	6.3	9.0	6.3	8.9	6.3	8.8	6.2	8.8	6.1	8.8	6.1	8.8	6.1	8.8	6.1	8.9	6.2	9.5	6.5	10.2	6.9	10.4	7.1	10.4	7.1	10.2	7.1	10.3	7.2	10.4	7.3	10.3	7.2	10.2	7.2	10.1	7.1	9.9	7.0	9.6	6.8
E	10.4	7.1	10.2	7.0	10.1	6.9	10.1	6.9	10.0	6.8	10.0	6.8	9.9	6.7	9.9	6.7	9.9	6.7	9.8	6.6	9.8	6.6	10.0	6.7	10.6	7.1	11.5	7.6	11.8	7.8	11.9	7.9	11.8	7.9	11.6	7.8	11.4	7.8	11.4	7.8	11.3	7.7	11.1	7.6	11.0	7.5	10.7	7.4
SE	10.4	7.1	10.2	7.0	10.1	6.9	10.1	6.9	10.0	6.8	10.0	6.8	9.9	6.7	9.9	6.7	9.9	6.7	9.8	6.6	9.8	6.6	10.0	6.7	10.5	7.0	11.2	7.5	11.6	7.7	11.9	7.9	12.0	8.0	11.9	8.0	11.7	7.9	11.4	7.8	11.3	7.7	11.1	7.6	10.9	7.5	10.7	7.3
S	10.2	7.0	10.0	6.9	9.9	6.8	9.8	6.7	9.8	6.7	9.8	6.7	9.7	6.6	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.7	6.6	10.1	6.9	10.4	7.1	10.8	7.3	11.2	7.6	11.5	7.8	11.7	7.9	11.8	8.0	11.7	7.9	11.4	7.8	11.1	7.6	10.7	7.4	10.5	7.2
SW	11.7	7.8	11.1	7.5	11.0	7.4	11.0	7.3	11.0	7.3	10.9	7.3	10.8	7.1	10.8	7.1	10.8	7.1	10.8	7.1	10.8	7.1	10.9	7.2	11.2	7.4	11.6	7.6	11.8	7.8	12.0	8.0	12.2	8.1	12.6	8.3	12.9	8.5	13.1	8.6	13.1	8.6	13.0	8.6	12.8	8.4	12.2	8.1
W	12.5	8.2	11.5	7.6	11.4	7.5	11.4	7.5	11.3	7.5	11.3	7.4	11.2	7.3	11.2	7.3	11.2	7.3	11.1	7.3	11.1	7.3	11.2	7.3	11.6	7.6	11.9	7.8	12.2	8.0	12.4	8.1	12.5	8.3	12.7	8.4	12.9	8.5	13.3	8.7	13.4	8.8	13.5	8.8	13.6	8.8	13.0	8.5
NW	11.2	7.5	10.2	7.0	10.1	6.9	10.1	6.8	10.0	6.8	10.0	6.8	9.9	6.7	9.9	6.7	9.8	6.6	9.8	6.6	9.8	6.6	9.9	6.7	10.3	7.0	10.6	7.2	10.9	7.3	11.1	7.5	11.2	7.6	11.4	7.7	11.4	7.8	11.4	7.8	11.6	7.9	11.8	7.9	11.9	8.0	11.5	7.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.9	6.4	8.8	6.3	8.7	6.2	8.7	6.2	8.7	6.2	8.7	6.2	8.6	6.2	8.6	6.2	8.6	6.2	8.6	6.2	8.6	6.1	8.6	6.1	8.6	6.2	8.7	6.2	8.8	6.3	8.9	6.3	8.9	6.4	9.0	6.4	9.0	6.4	9.0	6.5	9.0	6.4	9.0	6.4	8.9	6.4	8.9	6.4
NE	9.6	6.7	9.5	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.3	6.5	9.4	6.5	9.5	6.6	9.7	6.7	9.8	6.8	9.8	6.8	9.7	6.8	9.7	6.8	9.8	6.8	9.7	6.8	9.7	6.8	9.7	6.8	9.6	6.7
E	10.7	7.3	10.6	7.2	10.6	7.2	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.7	7.2	10.9	7.3	11.0	7.4	11.0	7.4	11.0	7.4	10.9	7.4	10.9	7.4	10.9	7.4	10.8	7.4	10.8	7.3	10.8	7.3
SE	10.7	7.3	10.6	7.2	10.6	7.2	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.6	7.2	10.8	7.3	10.9	7.4	11.0	7.4	11.0	7.4	11.0	7.4	10.9	7.4	10.9	7.4	10.8	7.4	10.8	7.3	10.7	7.3
S	10.4	7.1	10.4	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.2	7.0	10.2	7.0	10.2	7.0	10.2	6.9	10.2	6.9	10.2	7.0	10.3	7.0	10.4	7.1	10.5	7.2	10.6	7.2	10.7	7.3	10.8	7.3	10.8	7.3	10.8	7.3	10.7	7.3	10.6	7.2	10.5	7.2
SW	11.8	7.8	11.7	7.7	11.5	7.7	11.5	7.6	11.5	7.6	11.5	7.6	11.5	7.6	11.4	7.6	11.4	7.6	11.4	7.6	11.4	7.6	11.4	7.6	11.5	7.6	11.6	7.6	11.6	7.7	11.7	7.7	11.8	7.8	11.8	7.8	11.9	7.9	12.0	7.9	12.0	8.0	12.0	8.0	12.0	7.9	12.0	7.9
W	12.3	8.1	12.2	8.0	11.9	7.8	11.9	7.8	11.9	7.8	11.9	7.8	11.8	7.8	11.8	7.8	11.8	7.8	11.8	7.8	11.8	7.7	11.8	7.7	11.8	7.8	11.9	7.8	12.0	7.9	12.1	7.9	12.1	8.0	12.2	8.0	12.2	8.0	12.3	8.1	12.4	8.1	12.4	8.1	12.4	8.2	12.5	8.2
NW	10.9	7.4	10.8	7.3	10.5	7.2	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.5	7.1	10.4	7.1	10.4	7.1	10.4	7.1	10.4	7.1	10.5	7.1	10.6	7.1	10.6	7.2	10.7	7.3	10.8	7.3	10.8	7.3	10.8	7.4	10.9	7.4	10.9	7.4	10.9	7.4	11.0	7.4	11.0	7.4
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.8	2.3	5.6	2.0	4.8	1.2	4.6	1.1	4.6	1.1	4.4	0.9	4.3	0.8	5.6	1.6	9.7	4.2	14.9	7.2	19.3	9.8	23.0	12.0	26.0	13.8	27.6	15.0	28.1	15.4	27.4	15.0	24.9	13.7	22.0	12.2	18.7	10.4	13.9	7.6	9.5	5.0	7.2	3.5	6.3	2.8	6.0	2.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: İZMİR (38.25)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.9	9.9	11.8	9.8	11.7	9.7	11.5	9.5	11.4	9.4	11.2	9.2	11.1	9.1	11.1	9.1	11.1	9.1	11.1	9.0	11.2	9.1	11.9	9.6	12.6	10.1	13.0	10.4	13.5	10.8	13.8	11.1	14.1	11.3	14.2	11.4	14.2	11.5	14.1	11.4	13.8	11.3	13.5	11.0	13.3	10.8	12.6	10.4
NE	12.8	10.4	12.7	10.2	12.6	10.1	12.4	10.0	12.3	9.9	12.1	9.6	12.0	9.6	12.0	9.5	12.0	9.5	11.9	9.5	12.2	9.6	13.1	10.2	14.8	11.2	15.4	11.6	15.3	11.7	14.9	11.6	15.0	11.7	15.1	11.9	15.1	11.9	15.0	11.9	14.7	11.7	14.3	11.4	13.8	11.1	13.2	10.7
E	14.0	10.9	13.8	10.8	13.7	10.7	13.6	10.5	13.5	10.4	13.2	10.2	13.2	10.1	13.1	10.1	13.1	10.1	13.1	10.1	13.3	10.2	14.4	10.8	16.4	12.0	17.4	12.6	17.6	12.8	17.3	12.8	16.6	12.6	16.3	12.4	16.2	12.5	16.2	12.5	15.9	12.3	15.5	12.0	15.0	11.7	14.3	11.2
SE	14.0	10.9	13.8	10.8	13.7	10.7	13.5	10.5	13.4	10.4	13.2	10.2	13.1	10.1	13.1	10.1	13.1	10.1	13.1	10.1	13.3	10.2	14.1	10.7	15.8	11.7	16.9	12.4	17.6	12.8	17.7	13.0	17.5	13.0	16.8	12.7	16.2	12.5	16.1	12.5	15.9	12.3	15.5	12.0	14.9	11.6	14.3	11.2
S	13.6	10.8	13.5	10.6	13.4	10.5	13.2	10.4	13.1	10.3	12.9	10.0	12.8	10.0	12.8	9.9	12.8	9.9	12.7	9.9	12.9	10.0	13.5	10.4	14.2	10.9	15.0	11.4	15.9	12.0	16.7	12.5	17.2	12.8	17.3	13.0	17.1	12.9	16.7	12.7	15.9	12.3	15.1	11.8	14.6	11.5	14.0	11.0
SW	14.8	11.4	14.6	11.2	14.5	11.1	14.4	11.0	14.3	10.9	14.1	10.6	14.0	10.6	14.0	10.5	13.9	10.5	13.9	10.5	14.1	10.6	14.7	11.0	15.4	11.5	15.9	11.9	16.3	12.2	16.7	12.5	17.6	13.0	18.4	13.5	19.1	13.9	19.4	14.1	19.1	13.9	18.2	13.3	17.0	12.7	15.6	11.9
W	15.1	11.5	14.9	11.3	14.8	11.2	14.7	11.1	14.6	11.0	14.3	10.8	14.3	10.7	14.3	10.7	14.2	10.7	14.2	10.6	14.4	10.7	15.0	11.1	15.7	11.6	16.2	12.0	16.6	12.3	17.0	12.6	17.2	12.9	17.9	13.3	18.9	13.8	19.7	14.3	20.0	14.3	19.3	13.9	18.3	13.3	16.4	12.2
NW	13.7	10.8	13.5	10.6	13.4	10.5	13.3	10.4	13.2	10.3	12.9	10.1	12.9	10.0	12.9	10.0	12.8	9.9	12.8	9.9	12.9	10.0	13.6	10.4	14.3	10.9	14.8	11.3	15.2	11.6	15.6	11.9	15.8	12.2	16.0	12.3	16.2	12.5	17.0	12.9	17.4	13.0	17.2	12.8	16.5	12.4	14.9	11.5
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	12.5	10.2	12.3	10.1	12.3	10.0	12.2	10.0	12.2	10.0	12.2	9.9	12.1	9.8	12.1	9.8	12.0	9.8	12.0	9.8	12.0	9.8	12.1	9.8	12.3	10.0	12.5	10.1	12.7	10.2	12.8	10.4	12.9	10.5	13.0	10.5	13.1	10.6	13.0	10.6	13.0	10.6	12.9	10.5	12.8	10.4	12.8	10.4
NE	13.4	10.7	13.3	10.6	13.3	10.5	13.2	10.5	13.2	10.5	13.1	10.4	13.1	10.3	13.0	10.3	13.0	10.3	13.0	10.3	13.0	10.3	13.1	10.3	13.4	10.5	13.9	10.8	14.1	11.0	14.1	11.0	14.0	11.0	14.0	11.0	14.0	11.1	14.0	11.1	14.0	11.1	13.9	11.0	13.8	10.9	13.6	10.8
E	14.7	11.3	14.6	11.2	14.5	11.2	14.5	11.1	14.4	11.1	14.4	11.1	14.3	11.0	14.3	11.0	14.3	11.0	14.3	10.9	14.3	10.9	14.4	11.0	14.7	11.2	15.4	11.6	15.7	11.8	15.8	11.8	15.7	11.8	15.4	11.7	15.3	11.7	15.3	11.7	15.3	11.7	15.2	11.7	15.1	11.6	14.9	11.4
SE	14.7	11.3	14.6	11.2	14.5	11.2	14.5	11.1	14.4	11.1	14.4	11.1	14.3	11.0	14.3	11.0	14.3	11.0	14.3	10.9	14.3	10.9	14.4	11.0	14.6	11.1	15.2	11.5	15.5	11.7	15.7	11.8	15.8	11.9	15.7	11.9	15.5	11.8	15.3	11.7	15.3	11.7	15.2	11.6	15.1	11.6	14.9	11.4
S	14.3	11.1	14.2	11.0	14.1	11.0	14.1	10.9	14.1	10.9	14.0	10.9	13.9	10.8	13.9	10.8	13.9	10.8	13.9	10.8	13.9	10.7	13.9	10.8	14.2	10.9	14.4	11.1	14.6	11.2	14.9	11.4	15.2	11.6	15.3	11.7	15.4	11.7	15.3	11.7	15.2	11.7	14.9	11.5	14.7	11.4	14.5	11.3
SW	15.8	11.8	15.5	11.7	15.5	11.6	15.4	11.6	15.4	11.6	15.3	11.5	15.3	11.4	15.2	11.4	15.2	11.4	15.2	11.4	15.2	11.4	15.3	11.4	15.5	11.6	15.7	11.7	15.9	11.8	16.0	11.9	16.1	12.1	16.4	12.2	16.7	12.4	16.9	12.5	17.0	12.6	16.9	12.5	16.6	12.3	16.2	12.1
W	16.2	12.1	15.8	11.8	15.8	11.8	15.7	11.8	15.7	11.7	15.7	11.7	15.6	11.6	15.6	11.6	15.6	11.6	15.5	11.6	15.5	11.6	15.6	11.6	15.8	11.7	16.0	11.9	16.2	12.0	16.3	12.1	16.4	12.2	16.5	12.3	16.7	12.4	17.1	12.6	17.3	12.7	17.4	12.8	17.2	12.6	16.8	12.4
NW	14.7	11.3	14.3	11.1	14.2	11.0	14.2	11.0	14.1	10.9	14.1	10.9	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.2	10.9	14.4	11.1	14.6	11.2	14.7	11.3	14.9	11.4	14.9	11.5	15.0	11.5	15.1	11.6	15.3	11.7	15.5	11.8	15.4	11.7	15.2	11.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	12.6	10.3	12.2	10.1	12.2	10.0	12.1	9.9	12.1	9.9	12.0	9.8	11.9	9.7	11.9	9.7	11.9	9.7	11.9	9.7	11.9	9.7	11.9	9.7	12.3	9.9	12.5	10.1	12.7	10.3	12.9	10.4	13.1	10.6	13.2	10.7	13.3	10.7	13.2	10.7	13.2	10.7	13.1	10.6	13.0	10.5	12.9	10.5
NE	13.4	10.7	13.2	10.5	13.2	10.5	13.1	10.4	13.0	10.4	13.0	10.3	12.9	10.2	12.9	10.2	12.9	10.2	12.9	10.2	12.8	10.2	12.9	10.2	13.4	10.5	14.1	10.9	14.3	11.1	14.3	11.1	14.1	11.1	14.2	11.1	14.2	11.2	14.2	11.2	14.2	11.2	14.1	11.1	13.9	11.0	13.7	10.9
E	14.6	11.3	14.5	11.2	14.4	11.1	14.4	11.1	14.3	11.0	14.3	11.0	14.2	10.9	14.1	10.8	14.1	10.8	14.1	10.8	14.1	10.8	14.2	10.9	14.6	11.1	15.5	11.6	16.0	11.9	16.1	12.0	15.9	12.0	15.6	11.9	15.5	11.8	15.5	11.8	15.4	11.8	15.3	11.8	15.1	11.6	14.9	11.5
SE	14.6	11.3	14.5	11.2	14.4	11.1	14.4	11.1	14.3	11.0	14.2	10.9	14.1	10.9	14.1	10.8	14.1	10.8	14.1	10.8	14.1	10.8	14.2	10.8	14.6	11.1	15.3	11.5	15.8	11.8	16.0	12.0	16.1	12.1	16.0	12.1	15.7	12.0	15.5	11.8	15.4	11.8	15.3	11.8	15.1	11.6	14.9	11.5
S	14.3	11.1	14.1	11.0	14.0	10.9	14.0	10.9	13.9	10.8	13.9	10.8	13.8	10.7	13.7	10.6	13.7	10.6	13.7	10.6	13.7	10.6	13.8	10.6	14.1	10.8	14.3	11.0	14.7	11.3	15.1	11.5	15.4	11.7	15.6	11.9	15.7	11.9	15.6	11.9	15.4	11.8	15.1	11.7	14.7	11.4	14.5	11.3
SW	15.7	11.8	15.4	11.6	15.3	11.6	15.3	11.5	15.2	11.5	15.2	11.4	15.1	11.3	15.0	11.3	15.0	11.3	15.0	11.3	15.0	11.2	15.1	11.3	15.3	11.5	15.6	11.7	15.9	11.8	16.0	12.0	16.2	12.1	16.6	12.4	17.0	12.6	17.3	12.7	17.4	12.8	17.3	12.7	16.8	12.5	16.4	12.2
W	16.3	12.1	15.7	11.8	15.6	11.7	15.6	11.7	15.5	11.6	15.5	11.6	15.4	11.5	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.4	11.4	15.7	11.6	15.9	11.8	16.2	12.0	16.4	12.1	16.5	12.3	16.6	12.4	16.9	12.6	17.4	12.8	17.7	13.0	17.8	13.0	17.5	12.8	17.1	12.6
NW	14.7	11.3	14.2	11.0	14.1	10.9	14.0	10.9	14.0	10.8	13.9	10.8	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.6	13.8	10.6	13.8	10.7	14.1	10.9	14.4	11.1	14.6	11.2	14.8	11.4	15.0	11.5	15.1	11.6	15.2	11.7	15.3	11.7	15.6	11.9	15.8	12.0	15.7	11.9	15.4	11.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	12.6	10.3	12.2	10.0	12.1	10.0	12.1	9.9	12.0	9.8	11.9	9.8	11.8	9.7	11.8	9.6	11.8	9.6	11.8	9.6	11.7	9.6	11.8	9.6	12.2	9.9	12.5	10.1	12.8	10.3	13.0	10.5	13.2	10.6	13.3	10.8	13.4	10.8	13.4	10.8	13.3	10.8	13.2	10.7	13.0	10.6	12.9	10.5
NE	13.4	10.7	13.2	10.5	13.1	10.4	13.0	10.4	13.0	10.3	12.9	10.3	12.8	10.1	12.7	10.1	12.7	10.1	12.7	10.1	12.7	10.1	12.8	10.1	13.3	10.4	14.2	10.9	14.5	11.2	14.5	11.2	14.3	11.2	14.3	11.2	14.4	11.3	14.4	11.3	14.3	11.3	14.2	11.2	14.0	11.1	13.7	10.9
E	14.6	11.3	14.4	11.1	14.3	11.1	14.3	11.0	14.2	10.9	14.1	10.9	14.0	10.8	14.0	10.7	14.0	10.7	14.0	10.7	13.9	10.7	14.1	10.8	14.6	11.1	15.7	11.7	16.2	12.0	16.3	12.1	16.2	12.1	15.8	12.0	15.6	11.9	15.6	11.9	15.5	11.9	15.4	11.8	15.2	11.7	14.9	11.5
SE	14.6	11.3	14.4	11.1	14.3	11.1	14.3	11.0	14.2	10.9	14.1	10.9	14.0	10.8	14.0	10.7	14.0	10.7	13.9	10.7	13.9	10.7	14.0	10.7	14.5	11.0	15.4	11.5	15.9	11.9	16.3	12.1	16.4	12.2	16.2	12.2	15.9	12.1	15.6	11.9	15.5	11.9	15.4	11.8	15.2	11.7	14.9	11.5
S	14.2	11.1	14.0	10.9	13.9	10.9	13.9	10.8	13.8	10.7	13.7	10.7	13.6	10.6	13.6	10.5	13.6	10.5	13.6	10.5	13.6	10.5	13.6	10.5	14.0	10.8	14.3	11.0	14.8	11.3	15.2	11.6	15.6	11.8	15.9	12.0	15.9	12.1	15.9	12.1	15.6	12.0	15.2	11.8	14.8	11.5	14.5	11.3
SW	15.7	11.8	15.3	11.6	15.2	11.5	15.2	11.5	15.1	11.4	15.0	11.3	14.9	11.2	14.9	11.2	14.9	11.2	14.9	11.1	14.8	11.1	14.9	11.2	15.3	11.4	15.6	11.6	15.9	11.8	16.1	12.0	16.3	12.2	16.7	12.5	17.2	12.7	17.5	12.9	17.7	13.0	17.5	12.9	17.0	12.6	16.5	12.3
W	16.3	12.1	15.6	11.7	15.5	11.7	15.5	11.6	15.4	11.5	15.3	11.5	15.2	11.4	15.2	11.3	15.2	11.3	15.2	11.3	15.1	11.3	15.2	11.3	15.6	11.5	15.9	11.8	16.2	12.0	16.4	12.2	16.6	12.3	16.7	12.5	17.1	12.7	17.6	13.0	18.0	13.2	18.1	13.2	17.8	13.0	17.3	12.7
NW	14.7	11.4	14.1	11.0	14.0	10.9	13.9	10.8	13.9	10.8	13.8	10.7	13.7	10.6	13.7	10.6	13.7	10.6	13.6	10.5	13.6	10.5	13.7	10.6	14.0	10.8	14.4	11.0	14.7	11.2	14.9	11.4	15.1	11.6	15.2	11.7	15.3	11.8	15.4	11.8	15.8	12.1	16.0	12.2	15.9	12.1	15.6	11.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	18.0	11.0	18.0	11.0	18.0	10.9	17.9	10.9	17.9	10.9	17.8	10.8	17.8	10.8	17.8	10.8	17.8	10.8	17.8	10.7	17.9	10.8	18.2	11.0	18.7	11.3	19.1	11.5	19.5	11.7	19.8	11.9	20.0	12.0	20.0	12.1	19.9	12.1	19.8	12.0	19.5	11.8	19.0	11.6	18.6	11.4	18.2	11.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: İZMİR (38.25)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	11.3	9.5	11.1	9.3	10.9	9.1	10.7	8.9	10.4	8.6	10.3	8.5	10.2	8.4	10.2	8.4	10.1	8.3	10.4	8.5	11.6	9.2	12.6	10.0	13.4	10.6	14.1	11.1	14.7	11.6	15.1	12.0	15.3	12.2	15.3	12.3	15.2	12.3	14.7	12.0	14.2	11.6	13.9	11.3	12.7	10.5	11.6	9.8
NE	12.1	9.9	11.9	9.7	11.7	9.5	11.5	9.3	11.2	9.0	11.1	8.9	11.0	8.8	11.0	8.8	10.9	8.7	11.3	8.9	12.9	9.9	15.6	11.5	16.5	12.2	16.5	12.3	15.8	12.2	15.9	12.4	16.1	12.6	16.1	12.7	16.0	12.7	15.5	12.4	14.9	11.9	14.0	11.3	13.0	10.6	12.4	10.2
E	13.1	10.4	13.0	10.3	12.7	10.0	12.5	9.8	12.2	9.5	12.1	9.4	12.0	9.3	12.0	9.3	11.9	9.2	12.4	9.5	14.0	10.5	17.4	12.4	19.1	13.4	19.4	13.8	18.9	13.8	17.8	13.4	17.2	13.2	17.1	13.2	17.0	13.2	16.5	12.9	15.9	12.4	15.0	11.8	14.0	11.1	13.4	10.7
SE	13.1	10.4	12.9	10.2	12.7	10.0	12.5	9.8	12.1	9.5	12.0	9.4	12.0	9.3	12.0	9.3	11.9	9.2	12.2	9.4	13.7	10.3	16.4	11.9	18.3	13.0	19.3	13.7	19.5	14.1	19.1	14.0	18.1	13.6	17.1	13.2	16.9	13.2	16.5	12.9	15.9	12.4	15.0	11.8	14.0	11.1	13.4	10.7
S	12.8	10.3	12.7	10.1	12.4	9.9	12.2	9.7	11.9	9.3	11.8	9.2	11.7	9.2	11.7	9.1	11.6	9.1	11.9	9.2	12.9	9.9	14.0	10.7	15.4	11.6	16.9	12.5	18.1	13.4	18.9	13.9	19.1	14.1	18.9	14.1	18.1	13.8	16.9	13.1	15.6	12.3	14.7	11.7	13.7	11.0	13.1	10.5
SW	13.9	10.8	13.7	10.6	13.5	10.4	13.3	10.2	12.9	9.8	12.8	9.7	12.8	9.7	12.7	9.7	12.7	9.6	12.9	9.8	14.0	10.4	15.1	11.2	15.9	11.9	16.6	12.4	17.3	12.9	18.7	13.8	20.1	14.6	21.2	15.2	21.6	15.5	21.2	15.2	19.7	14.3	17.8	13.2	15.5	11.9	14.1	11.0
W	14.1	10.9	14.0	10.8	13.7	10.5	13.5	10.3	13.2	10.0	13.1	9.9	13.0	9.8	13.0	9.8	12.9	9.7	13.2	9.9	14.2	10.6	15.3	11.4	16.2	12.0	16.9	12.5	17.5	13.1	17.9	13.4	19.0	14.1	20.7	15.0	22.0	15.7	22.4	15.8	21.3	15.1	19.6	14.1	16.5	12.4	14.4	11.2
NW	12.9	10.3	12.7	10.1	12.5	9.9	12.3	9.7	11.9	9.3	11.8	9.2	11.8	9.2	11.7	9.1	11.7	9.1	11.9	9.2	13.0	9.9	14.1	10.7	14.9	11.4	15.6	11.9	16.3	12.4	16.7	12.8	16.9	13.0	17.3	13.3	18.5	14.0	19.2	14.2	18.9	13.9	17.8	13.2	15.2	11.7	13.1	10.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	12.6	10.3	12.5	10.2	12.4	10.1	12.4	10.1	12.4	10.1	12.3	10.1	12.3	10.1	12.3	10.0	12.3	10.0	12.3	10.0	12.3	10.0	12.3	10.0	12.3	10.0	12.4	10.1	12.5	10.2	12.6	10.2	12.6	10.3	12.7	10.3	12.7	10.3	12.8	10.4	12.8	10.4	12.8	10.4	12.7	10.3	12.7	10.3
NE	13.6	10.7	13.5	10.7	13.4	10.6	13.4	10.6	13.4	10.6	13.4	10.6	13.3	10.6	13.3	10.5	13.3	10.5	13.3	10.5	13.3	10.5	13.3	10.5	13.3	10.5	13.5	10.6	13.7	10.8	13.8	10.8	13.8	10.8	13.8	10.8	13.8	10.9	13.8	10.9	13.8	10.9	13.8	10.9	13.7	10.8	13.7	10.8
E	14.9	11.4	14.8	11.3	14.7	11.3	14.7	11.3	14.7	11.2	14.7	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.8	11.3	15.1	11.5	15.3	11.6	15.3	11.6	15.3	11.6	15.1	11.5	15.1	11.5	15.1	11.5	15.1	11.5	15.0	11.5	15.0	11.5
SE	14.9	11.4	14.8	11.3	14.7	11.3	14.7	11.3	14.7	11.2	14.7	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.1	14.6	11.2	14.8	11.3	15.0	11.4	15.2	11.5	15.3	11.6	15.3	11.6	15.3	11.6	15.2	11.6	15.1	11.5	15.1	11.5	15.0	11.5	15.0	11.5
S	14.5	11.2	14.4	11.1	14.3	11.1	14.3	11.1	14.3	11.0	14.3	11.0	14.2	11.0	14.2	11.0	14.2	11.0	14.2	11.0	14.2	11.0	14.2	10.9	14.2	11.0	14.3	11.0	14.4	11.1	14.5	11.2	14.7	11.3	14.8	11.4	14.9	11.4	14.9	11.4	14.9	11.4	14.8	11.4	14.7	11.3	14.6	11.3
SW	16.0	12.0	15.8	11.8	15.7	11.8	15.6	11.7	15.6	11.7	15.6	11.7	15.6	11.7	15.6	11.6	15.5	11.6	15.5	11.6	15.5	11.6	15.5	11.6	15.6	11.6	15.7	11.7	15.8	11.8	15.8	11.8	15.9	11.9	16.0	11.9	16.1	12.0	16.2	12.1	16.3	12.2	16.4	12.2	16.3	12.2	16.2	12.1
W	16.5	12.2	16.2	12.0	16.0	11.9	16.0	11.9	16.0	11.9	15.9	11.9	15.9	11.8	15.9	11.8	15.9	11.8	15.9	11.8	15.9	11.8	15.9	11.8	15.9	11.8	16.0	11.9	16.1	11.9	16.2	12.0	16.2	12.1	16.3	12.1	16.3	12.1	16.4	12.2	16.6	12.3	16.7	12.4	16.8	12.4	16.7	12.3
NW	14.8	11.4	14.6	11.2	14.4	11.1	14.4	11.1	14.4	11.1	14.3	11.1	14.3	11.0	14.3	11.0	14.3	11.0	14.3	11.0	14.3	11.0	14.3	11.0	14.3	11.0	14.4	11.1	14.5	11.1	14.6	11.2	14.6	11.3	14.7	11.3	14.7	11.3	14.8	11.4	14.8	11.4	14.9	11.4	15.0	11.5	14.9	11.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	12.6	10.3	12.2	10.0	12.1	10.0	12.1	9.9	12.0	9.9	12.0	9.8	11.9	9.7	11.8	9.7	11.8	9.6	11.8	9.6	11.8	9.6	11.9	9.7	12.2	9.9	12.5	10.1	12.8	10.3	13.0	10.5	13.1	10.6	13.3	10.7	13.3	10.8	13.3	10.8	13.3	10.8	13.1	10.7	13.0	10.6	12.9	10.5
NE	13.4	10.7	13.2	10.5	13.1	10.5	13.1	10.4	13.0	10.3	12.9	10.3	12.8	10.2	12.8	10.1	12.8	10.1	12.8	10.1	12.8	10.1	12.9	10.2	13.3	10.5	14.1	10.9	14.4	11.1	14.4	11.2	14.2	11.1	14.2	11.2	14.3	11.3	14.3	11.3	14.2	11.3	14.1	11.2	13.9	11.1	13.7	10.9
E	14.6	11.3	14.4	11.2	14.4	11.1	14.3	11.0	14.2	11.0	14.2	10.9	14.1	10.8	14.0	10.8	14.0	10.8	14.0	10.7	14.0	10.7	14.1	10.8	14.6	11.1	15.6	11.7	16.1	12.0	16.2	12.1	16.1	12.1	15.7	11.9	15.5	11.9	15.5	11.9	15.5	11.9	15.4	11.8	15.2	11.7	14.9	11.5
SE	14.6	11.3	14.4	11.1	14.3	11.1	14.3	11.0	14.2	11.0	14.2	10.9	14.1	10.8	14.0	10.8	14.0	10.8	14.0	10.7	14.0	10.7	14.1	10.8	14.5	11.0	15.3	11.5	15.9	11.8	16.2	12.1	16.3	12.2	16.1	12.1	15.8	12.0	15.5	11.9	15.5	11.9	15.3	11.8	15.2	11.7	14.9	11.5
S	14.2	11.1	14.0	11.0	14.0	10.9	13.9	10.8	13.8	10.8	13.8	10.7	13.7	10.6	13.7	10.6	13.6	10.6	13.6	10.5	13.6	10.5	13.7	10.6	14.0	10.8	14.3	11.0	14.7	11.3	15.2	11.6	15.5	11.8	15.8	12.0	15.8	12.0	15.8	12.0	15.5	11.9	15.2	11.7	14.8	11.5	14.5	11.3
SW	15.7	11.8	15.3	11.6	15.3	11.5	15.2	11.5	15.1	11.4	15.1	11.4	15.0	11.2	14.9	11.2	14.9	11.2	14.9	11.2	14.9	11.2	15.0	11.2	15.3	11.4	15.6	11.7	15.9	11.8	16.1	12.0	16.3	12.2	16.7	12.4	17.1	12.7	17.4	12.8	17.6	12.9	17.4	12.8	17.0	12.6	16.4	12.3
W	16.3	12.1	15.6	11.8	15.6	11.7	15.5	11.6	15.4	11.6	15.4	11.5	15.3	11.4	15.2	11.4	15.2	11.4	15.2	11.3	15.2	11.3	15.3	11.4	15.6	11.6	15.9	11.8	16.2	12.0	16.4	12.2	16.6	12.3	16.7	12.4	17.0	12.6	17.5	12.9	17.9	13.1	18.0	13.1	17.7	12.9	17.2	12.6
NW	14.7	11.3	14.1	11.0	14.0	10.9	14.0	10.9	13.9	10.8	13.9	10.7	13.8	10.6	13.7	10.6	13.7	10.6	13.7	10.6	13.7	10.6	13.8	10.6	14.1	10.8	14.4	11.0	14.6	11.2	14.9	11.4	15.0	11.5	15.2	11.7	15.2	11.7	15.3	11.8	15.7	12.0	15.9	12.1	15.8	12.0	15.5	11.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	12.6	10.3	12.5	10.2	12.4	10.1	12.4	10.1	12.4	10.1	12.4	10.1	12.4	10.1	12.3	10.0	12.3	10.0	12.3	10.0	12.3	10.0	12.3	10.0	12.3	10.0	12.4	10.1	12.5	10.2	12.6	10.2	12.6	10.2	12.7	10.3	12.7	10.3	12.7	10.3	12.7	10.3	12.7	10.3	12.7	10.3	12.6	10.3
NE	13.6	10.7	13.5	10.7	13.4	10.6	13.4	10.6	13.4	10.6	13.4	10.6	13.4	10.6	13.3	10.6	13.3	10.5	13.3	10.5	13.3	10.5	13.3	10.5	13.4	10.6	13.5	10.6	13.7	10.7	13.8	10.8	13.8	10.8	13.7	10.8	13.7	10.8	13.7	10.8	13.7	10.8	13.7	10.8	13.7	10.8	13.6	10.8
E	14.9	11.4	14.8	11.3	14.8	11.3	14.7	11.3	14.7	11.3	14.7	11.2	14.7	11.2	14.7	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.7	11.2	14.8	11.3	15.1	11.4	15.2	11.5	15.2	11.5	15.2	11.5	15.1	11.5	15.0	11.5	15.0	11.5	15.0	11.5	15.0	11.5	14.9	11.4
SE	14.9	11.4	14.8	11.3	14.7	11.3	14.7	11.3	14.7	11.3	14.7	11.2	14.7	11.2	14.7	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.6	11.2	14.7	11.2	14.8	11.3	15.0	11.4	15.1	11.5	15.2	11.5	15.2	11.6	15.2	11.6	15.1	11.5	15.0	11.5	15.0	11.5	15.0	11.5	14.9	11.4
S	14.5	11.2	14.4	11.1	14.3	11.1	14.3	11.1	14.3	11.1	14.3	11.0	14.3	11.0	14.3	11.0	14.2	11.0	14.2	11.0	14.2	11.0	14.2	11.0	14.3	11.0	14.3	11.1	14.4	11.1	14.5	11.2	14.6	11.3	14.7	11.3	14.8	11.4	14.8	11.4	14.8	11.4	14.7	11.4	14.6	11.3	14.5	11.2
SW	16.0	11.9	15.8	11.8	15.7	11.8	15.7	11.8	15.7	11.7	15.6	11.7	15.6	11.7	15.6	11.7	15.6	11.7	15.6	11.7	15.6	11.7	15.6	11.7	15.6	11.7	15.7	11.7	15.8	11.8	15.8	11.8	15.9	11.9	15.9	11.9	16.1	12.0	16.2	12.1	16.3	12.1	16.3	12.1	16.3	12.1	16.1	12.0
W	16.4	12.2	16.2	12.0	16.0	11.9	16.0	11.9	16.0	11.9	16.0	11.9	16.0	11.9	15.9	11.8	15.9	11.8	15.9	11.8	15.9	11.8	15.9	11.8	15.9	11.8	16.0	11.9	16.1	12.0	16.2	12.0	16.2	12.0	16.3	12.1	16.3	12.1	16.4	12.2	16.5	12.2	16.6	12.3	16.7	12.3	16.6	12.2
NW	14.8	11.3	14.6	11.2	14.4	11.1	14.4	11.1	14.4	11.1	14.4	11.1	14.4	11.1	14.3	11.0	14.3	11.0	14.3	11.0	14.3	11.0	14.3	11.0	14.3	11.0	14.4	11.1	14.5	11.1	14.6	11.2	14.6	11.2	14.7	11.3	14.7	11.3	14.7	11.3	14.7	11.3	14.8	11.4	14.9	11.4	14.9	11.4
	R2 - 12cm Concrete+2 cm plaster																																															
R	10.5	6.7	10.1	6.3	9.3	5.5	9.1	5.3	9.0	5.2	8.9	5.1	8.8	5.0	9.7	5.5	13.3	7.6	19.0	11.0	24.3	14.0	28.7	16.7	32.2	18.8	34.3	20.3	34.7	20.7	34.1	20.6	32.1	19.6	28.4	17.6	23.4	14.9	18.6	12.1	13.9	9.4	11.9	8.0	11.3	7.5	11.0	7.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:KAHRAMANMARAŞ (37.55)

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.9	8.9	10.8	8.9	10.7	8.7	10.5	8.6	10.4	8.5	10.3	8.3	10.2	8.2	10.0	8.1	9.9	8.0	9.8	7.9	9.9	7.9	10.6	8.3	11.4	8.9	12.1	9.6	12.7	10.0	13.1	10.4	13.5	10.8	13.7	11.0	13.8	11.0	13.7	11.0	13.2	10.6	12.7	10.3	11.9	9.6	11.3	9.2
NE	12.0	9.5	11.9	9.4	11.7	9.2	11.6	9.1	11.5	9.0	11.4	8.9	11.3	8.8	11.1	8.6	11.0	8.5	10.9	8.4	11.1	8.5	11.8	9.0	14.1	10.3	14.8	10.9	14.7	11.0	14.4	11.0	14.6	11.3	14.8	11.5	14.9	11.6	14.7	11.5	14.3	11.2	13.8	10.8	12.9	10.2	12.3	9.7
E	13.1	10.1	13.0	10.0	12.8	9.8	12.7	9.7	12.6	9.6	12.5	9.4	12.4	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.2	9.1	13.0	9.5	15.8	11.1	16.8	11.9	16.9	12.2	16.6	12.1	16.2	12.1	15.9	12.1	16.0	12.1	15.8	12.1	15.4	11.7	14.9	11.3	14.0	10.7	13.4	10.3
SE	13.1	10.0	13.0	10.0	12.8	9.8	12.7	9.7	12.6	9.6	12.5	9.4	12.3	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.1	9.0	12.9	9.5	15.1	10.8	16.3	11.7	16.8	12.1	16.9	12.3	16.9	12.5	16.5	12.3	16.0	12.1	15.8	12.1	15.4	11.7	14.9	11.3	14.0	10.7	13.4	10.3
S	12.5	9.8	12.4	9.7	12.3	9.5	12.1	9.4	12.0	9.3	11.9	9.1	11.8	9.0	11.7	8.9	11.6	8.8	11.5	8.7	11.5	8.7	12.1	9.1	12.9	9.7	14.1	10.6	15.0	11.2	15.7	11.7	16.4	12.2	16.6	12.4	16.4	12.3	16.0	12.2	15.1	11.6	14.3	11.1	13.4	10.4	12.8	10.0
SW	13.1	10.0	13.0	10.0	12.8	9.8	12.7	9.7	12.6	9.5	12.5	9.4	12.3	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.1	9.0	12.7	9.4	13.5	10.0	14.3	10.7	14.9	11.1	15.3	11.5	16.2	12.1	17.1	12.6	17.6	12.9	17.9	13.1	17.4	12.7	15.9	11.9	14.1	10.8	13.5	10.3
W	13.0	10.0	12.9	9.9	12.8	9.8	12.6	9.6	12.5	9.5	12.4	9.4	12.3	9.3	12.1	9.1	12.0	9.0	11.9	8.9	12.0	9.0	12.6	9.4	13.4	9.9	14.2	10.6	14.8	11.1	15.2	11.4	15.6	11.8	16.3	12.2	17.2	12.7	17.9	13.1	17.8	13.0	16.4	12.1	14.2	10.8	13.5	10.3
NW	11.9	9.5	11.8	9.4	11.7	9.2	11.6	9.1	11.4	9.0	11.3	8.8	11.2	8.7	11.1	8.6	11.0	8.5	10.9	8.4	10.9	8.5	11.5	8.8	12.3	9.4	13.2	10.1	13.7	10.5	14.1	10.9	14.5	11.3	14.8	11.5	15.0	11.6	15.6	12.0	15.8	11.9	14.9	11.3	13.1	10.2	12.4	9.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	11.5	9.3	11.3	9.2	11.3	9.1	11.3	9.1	11.2	9.1	11.2	9.0	11.1	9.0	11.1	8.9	11.1	8.9	11.0	8.9	11.0	8.8	11.0	8.9	11.2	9.0	11.5	9.2	11.7	9.4	11.9	9.5	12.1	9.6	12.2	9.8	12.2	9.8	12.3	9.8	12.2	9.8	12.1	9.7	11.9	9.6	11.6	9.4
NE	12.6	9.8	12.6	9.8	12.5	9.8	12.5	9.7	12.4	9.7	12.4	9.6	12.4	9.6	12.3	9.5	12.3	9.5	12.2	9.5	12.2	9.4	12.3	9.5	12.5	9.6	13.2	10.0	13.4	10.2	13.4	10.3	13.3	10.3	13.4	10.4	13.5	10.4	13.5	10.5	13.4	10.4	13.3	10.3	13.1	10.2	12.9	10.0
E	13.9	10.5	13.8	10.4	13.8	10.4	13.7	10.3	13.7	10.3	13.6	10.2	13.6	10.2	13.5	10.2	13.5	10.1	13.5	10.1	13.4	10.1	13.5	10.1	13.7	10.2	14.6	10.7	15.0	11.0	15.0	11.1	14.9	11.1	14.8	11.1	14.7	11.0	14.7	11.1	14.7	11.1	14.5	10.9	14.3	10.8	14.1	10.6
SE	13.9	10.5	13.8	10.4	13.7	10.4	13.7	10.3	13.7	10.3	13.6	10.2	13.6	10.2	13.5	10.2	13.5	10.1	13.5	10.1	13.4	10.1	13.5	10.1	13.7	10.2	14.4	10.6	14.8	10.9	15.0	11.1	15.0	11.1	15.0	11.2	14.9	11.1	14.7	11.1	14.7	11.1	14.5	10.9	14.3	10.8	14.1	10.6
S	13.2	10.1	13.1	10.1	13.1	10.1	13.1	10.0	13.0	10.0	13.0	9.9	12.9	9.9	12.9	9.8	12.9	9.8	12.8	9.8	12.8	9.7	12.8	9.7	13.0	9.9	13.3	10.1	13.6	10.3	13.9	10.5	14.2	10.7	14.4	10.9	14.4	10.9	14.4	10.9	14.3	10.9	14.0	10.7	13.7	10.5	13.4	10.3
SW	13.9	10.5	13.8	10.4	13.7	10.4	13.7	10.3	13.6	10.3	13.6	10.2	13.6	10.2	13.5	10.1	13.5	10.1	13.4	10.1	13.4	10.0	13.4	10.1	13.6	10.2	13.9	10.4	14.1	10.6	14.3	10.7	14.5	10.8	14.8	11.1	15.0	11.2	15.2	11.3	15.3	11.4	15.1	11.2	14.7	11.0	14.1	10.6
W	13.8	10.4	13.7	10.3	13.6	10.3	13.6	10.3	13.5	10.2	13.5	10.2	13.5	10.1	13.4	10.1	13.4	10.1	13.4	10.0	13.3	10.0	13.4	10.0	13.5	10.1	13.8	10.3	14.1	10.5	14.2	10.7	14.4	10.8	14.5	10.9	14.7	11.1	15.0	11.2	15.2	11.3	15.2	11.3	14.8	11.0	14.0	10.6
NW	12.6	9.8	12.5	9.7	12.4	9.7	12.4	9.7	12.4	9.6	12.3	9.6	12.3	9.5	12.2	9.5	12.2	9.5	12.2	9.4	12.1	9.4	12.2	9.4	12.4	9.5	12.6	9.7	12.9	9.9	13.0	10.1	13.2	10.2	13.3	10.3	13.4	10.4	13.5	10.4	13.7	10.6	13.7	10.5	13.4	10.3	12.8	10.0
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	11.4	9.2	11.3	9.1	11.2	9.1	11.2	9.0	11.1	9.0	11.0	8.9	11.0	8.9	10.9	8.8	10.9	8.8	10.8	8.7	10.8	8.7	10.8	8.7	11.1	8.9	11.5	9.1	11.8	9.4	12.0	9.6	12.2	9.8	12.4	9.9	12.5	10.0	12.5	10.0	12.5	10.0	12.3	9.9	12.1	9.7	11.7	9.4
NE	12.6	9.8	12.5	9.7	12.4	9.7	12.4	9.6	12.3	9.6	12.2	9.5	12.2	9.5	12.1	9.4	12.1	9.4	12.0	9.3	12.0	9.3	12.0	9.3	12.4	9.5	13.4	10.1	13.7	10.4	13.6	10.4	13.5	10.4	13.6	10.5	13.7	10.6	13.7	10.6	13.7	10.6	13.5	10.5	13.2	10.3	12.9	10.0
E	13.8	10.4	13.7	10.3	13.6	10.3	13.6	10.2	13.5	10.2	13.4	10.1	13.4	10.1	13.3	10.0	13.3	10.0	13.2	9.9	13.2	9.9	13.3	9.9	13.6	10.1	14.8	10.8	15.3	11.2	15.3	11.3	15.2	11.2	15.0	11.2	14.9	11.2	14.9	11.2	14.9	11.2	14.7	11.1	14.4	10.9	14.1	10.6
SE	13.8	10.4	13.7	10.3	13.6	10.3	13.5	10.2	13.5	10.2	13.4	10.1	13.4	10.1	13.3	10.0	13.3	10.0	13.2	9.9	13.2	9.9	13.2	9.9	13.6	10.1	14.5	10.7	15.1	11.1	15.3	11.2	15.3	11.3	15.3	11.4	15.1	11.3	14.9	11.2	14.9	11.2	14.7	11.1	14.4	10.9	14.1	10.6
S	13.2	10.1	13.0	10.0	13.0	10.0	12.9	9.9	12.9	9.9	12.8	9.8	12.8	9.8	12.7	9.7	12.7	9.6	12.6	9.6	12.6	9.6	12.6	9.6	12.9	9.7	13.2	10.0	13.7	10.4	14.1	10.6	14.4	10.9	14.7	11.1	14.8	11.2	14.7	11.1	14.6	11.1	14.2	10.8	13.8	10.6	13.4	10.3
SW	13.8	10.4	13.6	10.3	13.6	10.3	13.5	10.2	13.5	10.2	13.4	10.1	13.4	10.1	13.3	10.0	13.3	9.9	13.2	9.9	13.2	9.9	13.2	9.9	13.5	10.0	13.8	10.3	14.2	10.6	14.4	10.8	14.6	10.9	15.0	11.2	15.4	11.5	15.6	11.6	15.7	11.7	15.5	11.5	14.9	11.1	14.1	10.6
W	13.8	10.4	13.6	10.3	13.5	10.3	13.4	10.2	13.4	10.1	13.3	10.1	13.3	10.0	13.2	10.0	13.2	9.9	13.1	9.9	13.1	9.8	13.1	9.8	13.4	10.0	13.7	10.3	14.1	10.6	14.3	10.8	14.5	10.9	14.7	11.1	15.0	11.3	15.4	11.5	15.7	11.6	15.7	11.6	15.0	11.2	14.1	10.6
NW	12.6	9.8	12.4	9.7	12.3	9.7	12.3	9.6	12.2	9.5	12.2	9.5	12.1	9.4	12.1	9.4	12.0	9.3	12.0	9.3	11.9	9.2	12.0	9.3	12.2	9.4	12.6	9.7	12.9	10.0	13.2	10.2	13.3	10.3	13.5	10.5	13.6	10.6	13.7	10.6	14.0	10.8	14.1	10.8	13.7	10.5	12.9	10.0
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	11.4	9.2	11.1	9.1	11.1	9.0	11.0	8.9	10.9	8.8	10.8	8.7	10.7	8.7	10.6	8.6	10.6	8.5	10.5	8.4	10.4	8.4	10.5	8.4	10.9	8.7	11.4	9.1	11.9	9.5	12.3	9.8	12.6	10.0	12.8	10.2	13.0	10.4	13.0	10.4	12.9	10.4	12.6	10.2	12.3	9.9	11.8	9.5
NE	12.5	9.8	12.3	9.6	12.2	9.6	12.1	9.5	12.0	9.4	12.0	9.3	11.9	9.2	11.8	9.2	11.7	9.1	11.7	9.0	11.6	9.0	11.7	9.0	12.2	9.3	13.6	10.2	14.1	10.6	14.1	10.6	13.9	10.6	14.0	10.8	14.1	11.0	14.1	11.0	14.1	11.0	13.8	10.7	13.4	10.5	12.9	10.1
E	13.6	10.4	13.4	10.2	13.4	10.2	13.3	10.1	13.2	10.0	13.1	9.9	13.0	9.8	13.0	9.7	12.9	9.7	12.8	9.6	12.8	9.5	12.8	9.6	13.4	9.9	15.2	10.9	15.9	11.5	15.9	11.6	15.7	11.6	15.5	11.6	15.3	11.5	15.3	11.6	15.2	11.6	14.9	11.3	14.6	11.1	14.0	10.7
SE	13.6	10.4	13.4	10.2	13.4	10.2	13.3	10.1	13.2	10.0	13.1	9.9	13.0	9.8	13.0	9.7	12.9	9.7	12.8	9.6	12.8	9.5	12.8	9.6	13.3	9.9	14.7	10.7	15.6	11.3	15.9	11.6	15.9	11.7	15.9	11.8	15.6	11.7	15.3	11.6	15.2	11.6	14.9	11.3	14.6	11.1	14.0	10.7
S	13.0	10.1	12.8	9.9	12.8	9.9	12.7	9.8	12.6	9.7	12.5	9.6	12.4	9.5	12.4	9.4	12.3	9.4	12.2	9.3	12.1	9.2	12.2	9.3	12.6	9.5	13.1	9.9	13.9	10.4	14.5	10.9	14.9	11.2	15.4	11.5	15.5	11.6	15.4	11.6	15.1	11.5	14.5	11.1	14.0	10.8	13.4	10.4
SW	13.7	10.4	13.4	10.2	13.4	10.2	13.3	10.1	13.2	10.0	13.1	9.9	13.0	9.8	12.9	9.7	12.9	9.7	12.8	9.6	12.7	9.5	12.8	9.6	13.2	9.8	13.7	10.2	14.2	10.6	14.6	10.9	14.9	11.1	15.5	11.6	16.0	11.9	16.4	12.1	16.5	12.2	16.2	12.0	15.3	11.4	14.1	10.7
W	13.7	10.4	13.3	10.2	13.3	10.1	13.2	10.0	13.1	9.9	13.0	9.9	12.9	9.8	12.9	9.7	12.8	9.6	12.7	9.5	12.7	9.5	12.7	9.5	13.1	9.8	13.6	10.1	14.1	10.6	14.5	10.9	14.8	11.1	15.1	11.4	15.5	11.6	16.1	12.0	16.5	12.2	16.5	12.1	15.5	11.5	14.1	10.7
NW	12.5	9.8	12.2	9.6	12.2	9.6	12.0	9.4	12.0	9.4	11.9	9.3	11.8	9.2	11.7	9.1	11.6	9.0	11.6	9.0	11.5	8.9	11.6	8.9	12.0	9.2	12.5	9.6	13.0	10.0	13.4	10.3	13.6	10.5	13.9	10.8	14.0	10.9	14.2	11.0	14.6	11.3	14.7	11.2	14.1	10.8	12.9	10.1
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	16.5	9.8	16.4	9.7	16.4	9.7	16.3	9.7	16.3	9.6	16.2	9.6	16.2	9.6	16.2	9.5	16.1	9.5	16.1	9.5	16.1	9.4	16.1	9.5	16.4	9.6	17.0	10.0	17.5	10.3	17.9	10.6	18.1	10.7	18.4	10.9	18.4	10.9	18.3	10.9	18.2	10.8	17.8	10.6	17.3	10.3	16.8	10.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:KAHRAMANMARAŞ (37.55)

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	10.4	8.6	10.1	8.3	9.9	8.1	9.7	7.9	9.5	7.7	9.3	7.5	9.1	7.3	8.9	7.2	8.7	7.0	8.9	7.1	9.9	7.7	11.3	8.7	12.5	9.8	13.4	10.5	14.1	11.1	14.8	11.7	15.1	12.0	15.2	12.1	15.0	12.1	14.2	11.5	13.5	10.9	12.1	9.9	11.1	9.1	10.5	8.7
NE	11.3	9.1	11.1	8.8	10.9	8.6	10.7	8.4	10.5	8.2	10.3	8.0	10.0	7.8	9.9	7.6	9.7	7.5	9.9	7.6	11.2	8.4	14.9	10.5	16.0	11.5	15.9	11.8	15.4	11.7	15.8	12.2	16.1	12.5	16.2	12.6	16.0	12.6	15.2	12.0	14.4	11.4	13.0	10.3	11.9	9.6	11.5	9.2
E	12.3	9.6	12.0	9.3	11.8	9.1	11.6	8.9	11.4	8.7	11.2	8.5	11.0	8.3	10.9	8.1	10.7	8.0	10.9	8.1	12.2	8.9	16.9	11.5	18.6	12.8	18.8	13.2	18.2	13.1	17.6	13.1	17.1	13.0	17.2	13.1	17.0	13.1	16.2	12.5	15.4	11.9	14.0	10.8	12.9	10.1	12.5	9.7
SE	12.3	9.6	12.0	9.3	11.8	9.1	11.6	8.9	11.4	8.7	11.2	8.5	11.0	8.3	10.9	8.1	10.7	8.0	10.9	8.1	12.1	8.8	15.7	10.9	17.8	12.4	18.6	13.1	18.7	13.3	18.8	13.7	18.0	13.4	17.1	13.1	17.0	13.1	16.2	12.5	15.4	11.8	14.0	10.8	12.9	10.1	12.4	9.7
S	11.8	9.3	11.5	9.1	11.3	8.9	11.1	8.7	10.9	8.5	10.7	8.2	10.5	8.0	10.3	7.9	10.2	7.7	10.3	7.8	11.3	8.4	12.6	9.4	14.5	10.8	16.1	11.8	17.2	12.6	18.3	13.5	18.6	13.8	18.3	13.7	17.7	13.4	16.2	12.5	14.8	11.6	13.4	10.6	12.4	9.8	11.9	9.5
SW	12.3	9.6	12.0	9.3	11.8	9.1	11.6	8.9	11.4	8.7	11.2	8.5	11.0	8.3	10.8	8.1	10.7	8.0	10.8	8.1	11.8	8.7	13.1	9.6	14.5	10.8	15.4	11.5	16.1	12.0	17.6	13.1	19.1	14.0	19.9	14.5	20.3	14.7	19.5	14.1	17.1	12.7	14.2	10.9	13.1	10.1	12.4	9.7
W	12.2	9.5	12.0	9.3	11.8	9.1	11.6	8.9	11.4	8.7	11.2	8.5	10.9	8.3	10.8	8.1	10.6	7.9	10.8	8.0	11.7	8.6	13.0	9.6	14.4	10.7	15.3	11.4	16.0	12.0	16.7	12.6	17.8	13.4	19.3	14.2	20.4	14.8	20.3	14.5	17.9	13.1	14.3	11.0	13.2	10.2	12.4	9.7
NW	11.3	9.1	11.0	8.8	10.8	8.6	10.6	8.4	10.4	8.2	10.2	8.0	10.0	7.8	9.8	7.6	9.7	7.5	9.8	7.5	10.8	8.2	12.1	9.1	13.4	10.2	14.3	11.0	15.0	11.5	15.7	12.2	16.1	12.5	16.5	12.8	17.5	13.4	17.7	13.2	16.2	12.3	13.3	10.5	12.2	9.7	11.4	9.2
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.6	9.3	11.5	9.3	11.4	9.2	11.4	9.2	11.4	9.2	11.4	9.2	11.4	9.1	11.3	9.1	11.3	9.1	11.3	9.1	11.3	9.1	11.3	9.1	11.3	9.1	11.4	9.1	11.5	9.2	11.6	9.3	11.7	9.4	11.8	9.4	11.9	9.5	11.9	9.5	11.9	9.6	11.9	9.5	11.8	9.5	11.7	9.4
NE	12.8	10.0	12.7	9.9	12.7	9.9	12.7	9.8	12.7	9.8	12.6	9.8	12.6	9.8	12.6	9.8	12.6	9.7	12.6	9.7	12.5	9.7	12.5	9.7	12.5	9.7	12.7	9.8	13.0	10.0	13.1	10.1	13.1	10.1	13.1	10.1	13.1	10.1	13.1	10.2	13.1	10.2	13.1	10.2	13.0	10.1	13.0	10.1
E	14.1	10.6	14.0	10.5	13.9	10.5	13.9	10.5	13.9	10.4	13.9	10.4	13.9	10.4	13.8	10.4	13.8	10.4	13.8	10.3	13.8	10.3	13.8	10.3	13.8	10.3	13.9	10.4	14.4	10.7	14.5	10.8	14.5	10.8	14.5	10.8	14.4	10.8	14.4	10.8	14.4	10.8	14.4	10.8	14.3	10.7	14.2	10.7
SE	14.1	10.6	14.0	10.5	13.9	10.5	13.9	10.5	13.9	10.4	13.9	10.4	13.9	10.4	13.8	10.4	13.8	10.4	13.8	10.3	13.8	10.3	13.8	10.3	13.8	10.3	13.9	10.4	14.2	10.6	14.5	10.7	14.5	10.8	14.5	10.8	14.5	10.9	14.5	10.8	14.4	10.8	14.4	10.8	14.3	10.7	14.2	10.7
S	13.4	10.3	13.3	10.2	13.3	10.2	13.3	10.1	13.2	10.1	13.2	10.1	13.2	10.1	13.2	10.1	13.2	10.0	13.1	10.0	13.1	10.0	13.1	10.0	13.1	10.0	13.2	10.1	13.3	10.1	13.5	10.3	13.7	10.4	13.8	10.5	13.9	10.5	13.9	10.6	13.9	10.6	13.8	10.5	13.7	10.4	13.6	10.4
SW	14.1	10.6	14.0	10.5	13.9	10.5	13.9	10.5	13.9	10.4	13.9	10.4	13.8	10.4	13.8	10.4	13.8	10.4	13.8	10.3	13.8	10.3	13.7	10.3	13.8	10.3	13.9	10.4	14.0	10.5	14.1	10.6	14.2	10.6	14.3	10.7	14.4	10.8	14.5	10.9	14.6	10.9	14.7	10.9	14.6	10.9	14.4	10.8
W	14.0	10.5	13.9	10.5	13.8	10.4	13.8	10.4	13.8	10.4	13.8	10.4	13.8	10.3	13.7	10.3	13.7	10.3	13.7	10.3	13.7	10.3	13.7	10.3	13.7	10.3	13.8	10.3	13.9	10.4	14.0	10.5	14.1	10.6	14.2	10.6	14.2	10.7	14.4	10.8	14.5	10.9	14.6	10.9	14.6	10.9	14.4	10.8
NW	12.8	9.9	12.7	9.9	12.6	9.8	12.6	9.8	12.6	9.8	12.5	9.8	12.5	9.7	12.5	9.7	12.5	9.7	12.5	9.7	12.5	9.7	12.4	9.6	12.5	9.7	12.5	9.7	12.7	9.8	12.8	9.9	12.9	10.0	13.0	10.0	13.0	10.1	13.1	10.1	13.1	10.2	13.2	10.2	13.2	10.2	13.1	10.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	11.4	9.2	11.2	9.1	11.1	9.0	11.0	8.9	10.9	8.9	10.9	8.8	10.8	8.7	10.7	8.6	10.6	8.6	10.6	8.5	10.5	8.4	10.6	8.5	11.0	8.7	11.4	9.1	11.9	9.5	12.2	9.7	12.5	9.9	12.7	10.2	12.9	10.3	12.9	10.3	12.8	10.3	12.5	10.1	12.3	9.9	11.7	9.5
NE	12.5	9.8	12.3	9.7	12.3	9.6	12.2	9.5	12.1	9.4	12.0	9.4	11.9	9.3	11.9	9.2	11.8	9.1	11.7	9.1	11.7	9.0	11.7	9.1	12.2	9.3	13.6	10.1	14.0	10.5	14.0	10.6	13.8	10.6	13.9	10.8	14.0	10.9	14.1	10.9	14.0	10.9	13.7	10.7	13.4	10.5	12.9	10.1
E	13.7	10.4	13.5	10.3	13.4	10.2	13.3	10.1	13.3	10.0	13.2	9.9	13.1	9.9	13.0	9.8	13.0	9.7	12.9	9.7	12.8	9.6	12.9	9.6	13.4	9.9	15.1	10.9	15.8	11.4	15.8	11.5	15.6	11.5	15.4	11.5	15.2	11.5	15.2	11.5	15.2	11.5	14.9	11.3	14.6	11.0	14.0	10.7
SE	13.7	10.4	13.5	10.2	13.4	10.2	13.3	10.1	13.3	10.0	13.2	9.9	13.1	9.9	13.0	9.8	13.0	9.7	12.9	9.7	12.8	9.6	12.9	9.6	13.3	9.9	14.7	10.7	15.5	11.2	15.8	11.5	15.8	11.6	15.8	11.7	15.5	11.6	15.2	11.5	15.2	11.5	14.9	11.3	14.6	11.0	14.0	10.7
S	13.0	10.1	12.9	9.9	12.8	9.9	12.7	9.8	12.6	9.7	12.6	9.6	12.5	9.6	12.4	9.5	12.3	9.4	12.3	9.4	12.2	9.3	12.3	9.3	12.6	9.6	13.1	9.9	13.8	10.4	14.4	10.8	14.8	11.1	15.2	11.4	15.3	11.5	15.2	11.5	15.0	11.4	14.5	11.1	14.0	10.7	13.4	10.3
SW	13.7	10.4	13.5	10.2	13.4	10.2	13.3	10.1	13.2	10.0	13.2	9.9	13.1	9.9	13.0	9.8	12.9	9.7	12.9	9.6	12.8	9.6	12.9	9.6	13.2	9.8	13.7	10.2	14.2	10.6	14.5	10.9	14.8	11.1	15.4	11.5	15.9	11.8	16.2	12.0	16.4	12.1	16.1	11.9	15.2	11.4	14.1	10.7
W	13.7	10.4	13.4	10.2	13.3	10.2	13.2	10.0	13.2	10.0	13.1	9.9	13.0	9.8	12.9	9.7	12.9	9.7	12.8	9.6	12.7	9.6	12.8	9.6	13.2	9.8	13.6	10.2	14.1	10.6	14.5	10.9	14.7	11.1	15.0	11.3	15.4	11.6	15.9	11.9	16.3	12.1	16.3	12.0	15.4	11.5	14.1	10.7
NW	12.5	9.8	12.2	9.6	12.2	9.6	12.1	9.5	12.0	9.4	11.9	9.3	11.9	9.3	11.8	9.2	11.7	9.1	11.7	9.0	11.6	9.0	11.6	9.0	12.0	9.2	12.5	9.6	13.0	10.0	13.3	10.3	13.6	10.5	13.8	10.7	14.0	10.8	14.1	10.9	14.5	11.2	14.6	11.1	14.0	10.8	12.9	10.1
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.9	8.9	10.8	8.9	10.7	8.7	10.5	8.6	10.4	8.5	10.3	8.3	10.2	8.2	10.0	8.1	9.9	8.0	9.8	7.9	9.9	7.9	10.6	8.3	11.4	8.9	12.1	9.6	12.7	10.0	13.1	10.4	13.5	10.8	13.7	11.0	13.8	11.0	13.7	11.0	13.2	10.6	12.7	10.3	11.9	9.6	11.3	9.2
NE	12.0	9.5	11.9	9.4	11.7	9.2	11.6	9.1	11.5	9.0	11.4	8.9	11.3	8.8	11.1	8.6	11.0	8.5	10.9	8.4	11.1	8.5	11.8	9.0	14.1	10.3	14.8	10.9	14.7	11.0	14.4	11.0	14.6	11.3	14.8	11.5	14.9	11.6	14.7	11.5	14.3	11.2	13.8	10.8	12.9	10.2	12.3	9.7
E	13.1	10.1	13.0	10.0	12.8	9.8	12.7	9.7	12.6	9.6	12.5	9.4	12.4	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.2	9.1	13.0	9.5	15.8	11.1	16.8	11.9	16.9	12.2	16.6	12.1	16.2	12.1	15.9	12.1	16.0	12.1	15.8	12.1	15.4	11.7	14.9	11.3	14.0	10.7	13.4	10.3
SE	13.1	10.0	13.0	10.0	12.8	9.8	12.7	9.7	12.6	9.6	12.5	9.4	12.3	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.1	9.0	12.9	9.5	15.1	10.8	16.3	11.7	16.8	12.1	16.9	12.3	16.9	12.5	16.5	12.3	16.0	12.1	15.8	12.1	15.4	11.7	14.9	11.3	14.0	10.7	13.4	10.3
S	12.5	9.8	12.4	9.7	12.3	9.5	12.1	9.4	12.0	9.3	11.9	9.1	11.8	9.0	11.7	8.9	11.6	8.8	11.5	8.7	11.5	8.7	12.1	9.1	12.9	9.7	14.1	10.6	15.0	11.2	15.7	11.7	16.4	12.2	16.6	12.4	16.4	12.3	16.0	12.2	15.1	11.6	14.3	11.1	13.4	10.4	12.8	10.0
SW	13.1	10.0	13.0	10.0	12.8	9.8	12.7	9.7	12.6	9.5	12.5	9.4	12.3	9.3	12.2	9.2	12.1	9.1	12.0	9.0	12.1	9.0	12.7	9.4	13.5	10.0	14.3	10.7	14.9	11.1	15.3	11.5	16.2	12.1	17.1	12.6	17.6	12.9	17.9	13.1	17.4	12.7	15.9	11.9	14.1	10.8	13.5	10.3
W	13.0	10.0	12.9	9.9	12.8	9.8	12.6	9.6	12.5	9.5	12.4	9.4	12.3	9.3	12.1	9.1	12.0	9.0	11.9	8.9	12.0	9.0	12.6	9.4	13.4	9.9	14.2	10.6	14.8	11.1	15.2	11.4	15.6	11.8	16.3	12.2	17.2	12.7	17.9	13.1	17.8	13.0	16.4	12.1	14.2	10.8	13.5	10.3
NW	11.9	9.5	11.8	9.4	11.7	9.2	11.6	9.1	11.4	9.0	11.3	8.8	11.2	8.7	11.1	8.6	11.0	8.5	10.9	8.4	10.9	8.5	11.5	8.8	12.3	9.4	13.2	10.1	13.7	10.5	14.1	10.9	14.5	11.3	14.8	11.5	15.0	11.6	15.6	12.0	15.8	11.9	14.9	11.3	13.1	10.2	12.4	9.8
	R2 - 12cm Concrete+2 cm plaster																																															
R	15.0	9.1	14.9	9.0	14.8	8.8	14.6	8.7	14.5	8.6	14.4	8.4	14.3	8.3	14.1	8.2	14.0	8.1	14.0	8.0	14.1	8.1	15.0	8.6	17.1	9.8	18.9	11.0	20.1	11.8	20.9	12.3	21.8	12.9	22.0	13.1	21.7	13.0	21.1	12.8	19.9	12.1	18.1	11.0	16.3	9.9	15.4	9.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: KARAMAN (37.11)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.9	5.7	7.6	5.4	7.5	5.3	7.3	5.1	7.1	4.9	6.8	4.6	6.6	4.4	6.5	4.3	6.3	4.1	6.2	4.0	6.5	4.2	7.6	5.0	8.3	5.6	8.9	6.1	9.5	6.6	10.0	7.0	10.2	7.2	10.4	7.3	10.4	7.4	10.3	7.4	10.1	7.3	9.8	7.1	9.8	7.0	8.9	6.3
NE	8.8	6.1	8.6	5.9	8.4	5.7	8.2	5.5	8.0	5.4	7.7	5.1	7.6	4.9	7.4	4.8	7.3	4.6	7.1	4.5	7.6	4.7	9.3	5.8	10.7	6.7	11.4	7.4	11.4	7.5	11.2	7.6	11.1	7.6	11.3	7.8	11.3	7.9	11.2	7.9	11.0	7.7	10.6	7.4	10.1	7.1	9.4	6.6
E	9.8	6.6	9.6	6.4	9.4	6.3	9.2	6.0	9.1	5.9	8.8	5.6	8.6	5.4	8.5	5.3	8.3	5.1	8.2	5.0	8.6	5.2	10.4	6.4	12.2	7.5	13.2	8.3	13.5	8.6	13.3	8.6	12.6	8.4	12.3	8.3	12.4	8.4	12.3	8.4	12.0	8.2	11.6	7.9	11.1	7.6	10.4	7.1
SE	9.9	6.7	9.6	6.4	9.5	6.3	9.2	6.0	9.1	5.9	8.8	5.6	8.6	5.4	8.5	5.3	8.3	5.1	8.2	5.0	8.5	5.2	10.0	6.2	11.5	7.1	12.7	8.0	13.3	8.5	13.5	8.8	13.3	8.7	12.8	8.6	12.4	8.4	12.3	8.4	12.1	8.3	11.6	8.0	11.1	7.6	10.4	7.1
S	8.8	6.1	8.6	5.9	8.4	5.8	8.2	5.5	8.1	5.4	7.8	5.1	7.6	4.9	7.5	4.8	7.3	4.6	7.2	4.5	7.4	4.6	8.3	5.4	9.1	6.0	10.1	6.7	11.1	7.3	11.8	7.9	12.3	8.2	12.5	8.4	12.3	8.4	11.9	8.2	11.3	7.9	10.6	7.5	10.1	7.1	9.4	6.6
SW	10.3	6.9	10.1	6.7	9.9	6.5	9.7	6.3	9.6	6.1	9.2	5.8	9.1	5.7	8.9	5.5	8.8	5.4	8.7	5.2	8.9	5.4	9.8	6.1	10.6	6.7	11.4	7.4	11.9	7.8	12.4	8.2	13.1	8.6	14.0	9.1	14.5	9.5	14.7	9.6	14.6	9.5	14.1	9.2	13.3	8.7	11.4	7.6
W	11.0	7.2	10.8	7.0	10.6	6.8	10.4	6.6	10.2	6.5	9.9	6.2	9.8	6.0	9.6	5.9	9.5	5.7	9.3	5.6	9.6	5.7	10.5	6.4	11.3	7.0	12.1	7.7	12.6	8.1	13.1	8.5	13.3	8.7	14.0	9.2	15.0	9.7	15.5	10.0	15.9	10.2	15.9	10.1	15.3	9.7	12.8	8.3
NW	9.8	6.6	9.6	6.4	9.4	6.2	9.2	6.0	9.0	5.9	8.7	5.5	8.6	5.4	8.4	5.3	8.3	5.1	8.1	5.0	8.4	5.1	9.3	5.8	10.1	6.4	10.9	7.1	11.4	7.5	11.9	7.9	12.1	8.1	12.3	8.3	12.6	8.5	13.3	8.9	13.7	9.1	13.9	9.1	13.7	8.9	11.5	7.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.5	6.0	8.2	5.8	8.1	5.7	8.1	5.6	8.0	5.6	8.0	5.5	7.9	5.4	7.8	5.4	7.8	5.3	7.7	5.3	7.7	5.2	7.8	5.3	8.1	5.5	8.3	5.7	8.5	5.9	8.7	6.0	8.9	6.2	8.9	6.2	9.0	6.3	9.0	6.3	9.0	6.3	8.9	6.3	8.8	6.2	8.8	6.2
NE	9.4	6.4	9.2	6.3	9.2	6.2	9.1	6.2	9.0	6.1	9.0	6.0	8.9	5.9	8.8	5.9	8.8	5.8	8.8	5.8	8.7	5.7	8.9	5.8	9.4	6.2	9.8	6.5	10.1	6.7	10.1	6.7	10.0	6.7	10.0	6.8	10.1	6.8	10.1	6.8	10.0	6.8	9.9	6.8	9.8	6.7	9.6	6.6
E	10.6	7.0	10.4	6.8	10.3	6.8	10.3	6.7	10.2	6.6	10.1	6.6	10.0	6.5	10.0	6.5	9.9	6.4	9.9	6.4	9.8	6.3	10.0	6.4	10.6	6.8	11.1	7.1	11.5	7.4	11.6	7.5	11.5	7.5	11.3	7.4	11.2	7.4	11.2	7.4	11.2	7.4	11.1	7.4	10.9	7.3	10.8	7.2
SE	10.6	7.0	10.4	6.8	10.3	6.8	10.3	6.7	10.2	6.7	10.1	6.6	10.0	6.5	10.0	6.5	9.9	6.4	9.9	6.4	9.9	6.3	10.0	6.4	10.4	6.7	10.9	7.0	11.3	7.3	11.5	7.4	11.6	7.5	11.5	7.5	11.3	7.5	11.2	7.4	11.2	7.4	11.1	7.4	11.0	7.3	10.8	7.2
S	9.5	6.4	9.3	6.3	9.2	6.2	9.2	6.2	9.1	6.1	9.0	6.1	8.9	5.9	8.9	5.9	8.8	5.9	8.8	5.8	8.7	5.8	8.8	5.8	9.1	6.0	9.4	6.2	9.7	6.5	10.0	6.7	10.2	6.9	10.4	7.0	10.4	7.0	10.4	7.0	10.3	6.9	10.1	6.8	9.8	6.7	9.7	6.6
SW	11.3	7.3	10.9	7.1	10.9	7.0	10.8	7.0	10.7	6.9	10.7	6.9	10.6	6.8	10.5	6.7	10.5	6.7	10.4	6.6	10.4	6.6	10.5	6.6	10.8	6.9	11.0	7.1	11.3	7.3	11.5	7.4	11.6	7.5	11.8	7.7	12.1	7.8	12.3	8.0	12.3	8.0	12.3	8.0	12.2	7.9	11.9	7.7
W	12.3	7.8	11.7	7.5	11.6	7.4	11.6	7.4	11.5	7.3	11.4	7.3	11.3	7.1	11.3	7.1	11.2	7.1	11.2	7.0	11.1	7.0	11.2	7.0	11.5	7.2	11.8	7.4	12.0	7.6	12.2	7.8	12.4	7.9	12.4	8.0	12.6	8.1	13.0	8.3	13.1	8.4	13.2	8.4	13.3	8.4	13.1	8.3
NW	10.9	7.2	10.3	6.8	10.3	6.7	10.2	6.7	10.1	6.6	10.1	6.6	10.0	6.5	9.9	6.4	9.9	6.4	9.8	6.3	9.8	6.3	9.9	6.3	10.2	6.6	10.4	6.8	10.7	7.0	10.8	7.1	11.0	7.2	11.1	7.3	11.1	7.4	11.2	7.4	11.4	7.5	11.6	7.6	11.7	7.6	11.6	7.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.6	6.0	8.1	5.7	8.0	5.6	8.0	5.6	7.9	5.5	7.8	5.4	7.7	5.3	7.6	5.2	7.5	5.1	7.5	5.1	7.4	5.0	7.6	5.1	8.0	5.4	8.3	5.7	8.6	5.9	8.8	6.1	9.1	6.3	9.2	6.4	9.2	6.5	9.2	6.5	9.2	6.5	9.1	6.4	9.0	6.4	9.0	6.3
NE	9.4	6.4	9.2	6.3	9.1	6.2	9.0	6.1	8.9	6.0	8.8	5.9	8.7	5.8	8.6	5.7	8.6	5.7	8.5	5.6	8.4	5.5	8.6	5.6	9.4	6.1	10.0	6.5	10.3	6.8	10.3	6.9	10.2	6.9	10.2	6.9	10.3	7.0	10.3	7.0	10.2	7.0	10.1	7.0	9.9	6.8	9.7	6.7
E	10.5	7.0	10.3	6.8	10.2	6.7	10.1	6.6	10.0	6.5	10.0	6.5	9.8	6.3	9.7	6.3	9.7	6.2	9.6	6.1	9.6	6.1	9.8	6.2	10.5	6.7	11.3	7.2	11.8	7.5	11.9	7.6	11.8	7.7	11.5	7.6	11.4	7.5	11.4	7.6	11.3	7.6	11.2	7.5	11.0	7.4	10.8	7.2
SE	10.5	7.0	10.3	6.8	10.2	6.7	10.1	6.6	10.0	6.6	10.0	6.5	9.8	6.3	9.8	6.3	9.7	6.2	9.6	6.2	9.6	6.1	9.7	6.2	10.3	6.6	11.0	7.0	11.5	7.4	11.8	7.6	11.9	7.7	11.8	7.7	11.6	7.6	11.4	7.6	11.4	7.6	11.3	7.5	11.1	7.4	10.8	7.2
S	9.4	6.5	9.2	6.3	9.1	6.2	9.0	6.1	8.9	6.0	8.9	5.9	8.7	5.8	8.7	5.7	8.6	5.7	8.5	5.6	8.5	5.5	8.6	5.6	9.0	5.9	9.3	6.2	9.8	6.5	10.2	6.8	10.5	7.0	10.7	7.2	10.8	7.2	10.7	7.2	10.5	7.2	10.3	7.0	10.0	6.8	9.7	6.7
SW	11.3	7.4	10.8	7.1	10.7	7.0	10.7	6.9	10.6	6.8	10.5	6.8	10.4	6.6	10.3	6.5	10.2	6.5	10.2	6.4	10.1	6.4	10.2	6.4	10.6	6.7	11.0	7.0	11.3	7.3	11.5	7.5	11.7	7.6	12.0	7.8	12.4	8.1	12.7	8.2	12.7	8.2	12.7	8.2	12.5	8.1	12.1	7.9
W	12.3	7.9	11.6	7.4	11.5	7.4	11.4	7.3	11.3	7.2	11.2	7.1	11.1	7.0	11.0	6.9	11.0	6.9	10.9	6.8	10.8	6.7	10.9	6.8	11.4	7.1	11.7	7.4	12.0	7.7	12.3	7.8	12.5	8.0	12.6	8.1	12.9	8.3	13.3	8.5	13.5	8.7	13.7	8.7	13.7	8.7	13.5	8.5
NW	11.0	7.2	10.2	6.8	10.1	6.7	10.1	6.6	10.0	6.5	9.9	6.5	9.8	6.3	9.7	6.3	9.6	6.2	9.6	6.1	9.5	6.1	9.6	6.1	10.0	6.4	10.4	6.7	10.7	7.0	10.9	7.2	11.1	7.3	11.3	7.4	11.3	7.5	11.5	7.6	11.8	7.8	11.9	7.9	12.0	7.9	11.9	7.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.7	6.1	8.1	5.7	7.9	5.6	7.8	5.5	7.7	5.3	7.6	5.3	7.4	5.1	7.3	5.0	7.2	4.9	7.1	4.8	7.0	4.7	7.2	4.8	7.9	5.3	8.3	5.7	8.7	6.0	9.0	6.3	9.3	6.5	9.5	6.6	9.6	6.7	9.6	6.8	9.5	6.8	9.4	6.7	9.3	6.6	9.2	6.5
NE	9.4	6.5	9.1	6.2	8.9	6.1	8.8	6.0	8.7	5.8	8.6	5.8	8.4	5.6	8.3	5.5	8.2	5.4	8.1	5.3	8.0	5.2	8.3	5.4	9.3	6.0	10.2	6.6	10.6	7.0	10.7	7.1	10.5	7.1	10.5	7.1	10.6	7.2	10.6	7.3	10.5	7.3	10.4	7.2	10.1	7.0	9.8	6.8
E	10.5	7.0	10.2	6.8	10.0	6.6	9.9	6.5	9.8	6.4	9.7	6.3	9.5	6.1	9.4	6.0	9.3	5.9	9.2	5.8	9.1	5.8	9.4	5.9	10.5	6.6	11.6	7.3	12.2	7.7	12.4	7.9	12.2	8.0	11.9	7.8	11.7	7.8	11.7	7.8	11.6	7.8	11.5	7.7	11.2	7.6	10.9	7.3
SE	10.5	7.0	10.2	6.8	10.0	6.6	9.9	6.5	9.8	6.4	9.7	6.3	9.5	6.1	9.4	6.0	9.3	5.9	9.2	5.8	9.2	5.8	9.4	5.9	10.2	6.5	11.2	7.1	11.9	7.6	12.3	7.9	12.4	8.0	12.3	8.0	12.0	7.9	11.7	7.8	11.6	7.8	11.5	7.7	11.2	7.6	10.9	7.4
S	9.4	6.5	9.1	6.2	9.0	6.1	8.9	6.0	8.7	5.9	8.6	5.8	8.4	5.6	8.3	5.5	8.3	5.4	8.2	5.3	8.1	5.2	8.2	5.3	8.8	5.8	9.3	6.1	9.9	6.6	10.4	7.0	10.9	7.3	11.2	7.5	11.3	7.6	11.2	7.6	10.9	7.5	10.6	7.3	10.2	7.0	9.8	6.8
SW	11.3	7.5	10.7	7.0	10.5	6.9	10.4	6.8	10.3	6.7	10.2	6.6	10.0	6.4	9.9	6.3	9.8	6.2	9.7	6.1	9.7	6.0	9.8	6.1	10.4	6.5	10.9	6.9	11.3	7.3	11.7	7.6	11.9	7.8	12.4	8.1	12.9	8.4	13.2	8.6	13.3	8.6	13.3	8.6	13.0	8.4	12.5	8.1
W	12.5	8.0	11.4	7.4	11.3	7.2	11.2	7.1	11.0	7.0	10.9	6.9	10.7	6.7	10.6	6.6	10.6	6.6	10.5	6.5	10.4	6.4	10.5	6.5	11.1	6.9	11.6	7.3	12.1	7.7	12.4	7.9	12.7	8.2	12.8	8.3	13.2	8.6	13.8	8.9	14.1	9.1	14.4	9.2	14.4	9.1	14.0	8.9
NW	11.2	7.4	10.1	6.7	10.0	6.6	9.9	6.5	9.7	6.4	9.6	6.3	9.4	6.1	9.3	6.0	9.3	5.9	9.2	5.8	9.1	5.7	9.2	5.8	9.8	6.3	10.3	6.6	10.8	7.0	11.1	7.3	11.4	7.5	11.5	7.7	11.6	7.8	11.8	7.9	12.2	8.1	12.5	8.2	12.6	8.3	12.5	8.1
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.9	6.7	13.7	6.5	13.6	6.5	13.6	6.4	13.5	6.4	13.4	6.3	13.4	6.2	13.3	6.2	13.3	6.1	13.2	6.1	13.2	6.0	13.3	6.1	13.7	6.4	14.2	6.7	14.7	7.0	15.1	7.3	15.4	7.5	15.6	7.6	15.6	7.7	15.6	7.6	15.4	7.5	15.1	7.4	14.8	7.2	14.4	7.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: KARAMAN (37.11)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.2	5.2	6.9	4.9	6.5	4.6	6.3	4.3	5.8	3.8	5.5	3.6	5.3	3.3	5.0	3.1	4.8	2.8	5.3	3.1	7.1	4.5	8.3	5.4	9.3	6.3	10.2	7.1	11.0	7.7	11.4	8.1	11.7	8.3	11.7	8.5	11.6	8.4	11.2	8.2	10.8	7.9	10.7	7.7	9.2	6.7	7.6	5.6
NE	8.0	5.6	7.7	5.4	7.4	5.0	7.1	4.8	6.6	4.2	6.4	4.0	6.1	3.7	5.9	3.5	5.7	3.3	6.4	3.7	9.1	5.5	11.4	7.0	12.7	8.0	12.7	8.3	12.3	8.4	12.2	8.5	12.5	8.8	12.5	8.9	12.4	8.8	12.0	8.6	11.3	8.1	10.4	7.6	9.3	6.7	8.4	6.0
E	8.9	6.1	8.7	5.8	8.3	5.5	8.1	5.2	7.5	4.7	7.3	4.4	7.1	4.2	6.8	3.9	6.6	3.7	7.3	4.1	10.3	6.0	13.2	7.8	14.9	9.1	15.3	9.6	15.0	9.7	13.9	9.3	13.4	9.2	13.5	9.3	13.3	9.3	12.9	9.1	12.2	8.6	11.3	8.0	10.2	7.2	9.3	6.5
SE	9.0	6.1	8.7	5.8	8.3	5.5	8.1	5.2	7.6	4.7	7.3	4.5	7.1	4.2	6.8	4.0	6.6	3.8	7.2	4.1	9.5	5.7	12.1	7.3	14.1	8.7	15.1	9.5	15.4	9.9	15.0	9.9	14.2	9.6	13.5	9.4	13.4	9.3	13.0	9.1	12.2	8.6	11.4	8.1	10.3	7.2	9.4	6.5
S	8.0	5.6	7.8	5.4	7.4	5.0	7.2	4.8	6.7	4.2	6.4	4.0	6.2	3.8	5.9	3.5	5.7	3.3	6.1	3.5	7.6	4.7	8.9	5.7	10.5	6.9	12.1	8.0	13.3	8.9	14.0	9.4	14.4	9.7	14.1	9.7	13.4	9.3	12.4	8.8	11.3	8.2	10.5	7.6	9.3	6.7	8.4	6.0
SW	9.4	6.3	9.1	6.0	8.7	5.7	8.5	5.4	8.0	4.9	7.7	4.7	7.5	4.4	7.2	4.2	7.0	3.9	7.4	4.2	8.9	5.4	10.2	6.4	11.5	7.4	12.4	8.2	13.2	8.8	14.3	9.5	15.7	10.4	16.7	10.9	16.9	11.1	16.7	11.0	16.0	10.5	14.6	9.6	11.6	7.9	9.8	6.7
W	10.0	6.6	9.7	6.3	9.3	6.0	9.1	5.7	8.6	5.2	8.3	5.0	8.1	4.7	7.8	4.5	7.6	4.2	8.0	4.5	9.5	5.7	10.9	6.7	12.1	7.7	13.0	8.5	13.8	9.1	14.2	9.5	15.3	10.1	16.9	11.0	17.8	11.5	18.4	11.8	18.4	11.7	17.5	11.1	13.3	8.7	10.4	7.0
NW	8.9	6.1	8.6	5.8	8.3	5.4	8.0	5.2	7.5	4.7	7.2	4.4	7.0	4.2	6.8	3.9	6.5	3.7	6.9	3.9	8.5	5.1	9.8	6.1	11.0	7.2	11.9	7.9	12.7	8.6	13.1	8.9	13.4	9.2	14.0	9.6	15.0	10.1	15.7	10.5	16.1	10.5	15.7	10.2	12.2	8.2	9.3	6.4
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.6	6.0	8.4	5.9	8.3	5.8	8.2	5.7	8.2	5.7	8.2	5.7	8.2	5.7	8.1	5.6	8.1	5.6	8.1	5.6	8.0	5.5	8.0	5.5	8.1	5.5	8.2	5.7	8.3	5.8	8.4	5.8	8.5	5.9	8.6	6.0	8.6	6.0	8.7	6.0	8.7	6.1	8.7	6.0	8.6	6.0	8.6	6.0
NE	9.5	6.5	9.4	6.4	9.3	6.3	9.3	6.3	9.3	6.3	9.3	6.2	9.2	6.2	9.2	6.1	9.2	6.1	9.1	6.1	9.1	6.1	9.1	6.1	9.2	6.1	9.4	6.3	9.6	6.4	9.8	6.5	9.8	6.5	9.7	6.5	9.7	6.5	9.7	6.6	9.7	6.6	9.7	6.6	9.7	6.6	9.6	6.5
E	10.7	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.5	6.8	10.4	6.8	10.4	6.8	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.6	10.3	6.7	10.6	6.9	10.9	7.0	11.0	7.1	11.1	7.2	11.1	7.2	11.0	7.2	10.9	7.2	10.9	7.2	10.9	7.2	10.9	7.1	10.8	7.1
SE	10.7	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.5	6.8	10.4	6.8	10.4	6.8	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.6	10.3	6.7	10.5	6.8	10.8	7.0	11.0	7.1	11.1	7.2	11.1	7.2	11.1	7.2	11.0	7.2	10.9	7.2	10.9	7.2	10.9	7.1	10.8	7.1
S	9.6	6.5	9.5	6.4	9.4	6.3	9.3	6.3	9.3	6.3	9.3	6.2	9.3	6.2	9.2	6.2	9.2	6.1	9.2	6.1	9.1	6.1	9.1	6.1	9.2	6.1	9.3	6.2	9.4	6.3	9.6	6.4	9.7	6.5	9.9	6.6	9.9	6.7	10.0	6.7	9.9	6.7	9.9	6.6	9.8	6.6	9.7	6.5
SW	11.5	7.5	11.2	7.3	11.1	7.2	11.0	7.1	11.0	7.1	11.0	7.1	11.0	7.1	10.9	7.0	10.9	7.0	10.9	7.0	10.8	6.9	10.8	6.9	10.9	6.9	11.0	7.0	11.1	7.1	11.2	7.2	11.3	7.3	11.4	7.4	11.5	7.4	11.6	7.5	11.7	7.6	11.8	7.6	11.7	7.6	11.7	7.5
W	12.5	8.0	12.1	7.7	11.8	7.6	11.8	7.5	11.8	7.5	11.7	7.5	11.7	7.4	11.7	7.4	11.7	7.4	11.6	7.3	11.6	7.3	11.6	7.3	11.6	7.3	11.8	7.4	11.9	7.5	12.0	7.6	12.1	7.7	12.2	7.8	12.2	7.8	12.3	7.9	12.5	7.9	12.6	8.0	12.6	8.0	12.6	8.0
NW	11.1	7.2	10.7	7.0	10.5	6.9	10.4	6.8	10.4	6.8	10.4	6.8	10.3	6.7	10.3	6.7	10.3	6.7	10.2	6.7	10.2	6.6	10.2	6.6	10.2	6.6	10.4	6.7	10.5	6.8	10.6	6.9	10.7	7.0	10.8	7.1	10.8	7.1	10.9	7.1	10.9	7.2	11.0	7.2	11.1	7.3	11.1	7.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																																
N	8.7	6.1	8.1	5.7	7.9	5.6	7.8	5.5	7.7	5.3	7.6	5.3	7.4	5.1	7.3	5.0	7.2	4.9	7.1	4.8	7.0	4.7	7.2	4.8	7.9	5.3	8.3	5.7	8.7	6.0	9.0	6.3	9.3	6.5	9.5	6.6	9.6	6.7	9.6	6.8	9.5	6.8	9.4	6.7	9.3	6.6	9.2	6.5
NE	9.4	6.5	9.1	6.2	8.9	6.1	8.8	6.0	8.7	5.8	8.6	5.8	8.4	5.6	8.3	5.5	8.2	5.4	8.1	5.3	8.0	5.2	8.3	5.4	9.3	6.0	10.2	6.6	10.6	7.0	10.7	7.1	10.5	7.1	10.5	7.1	10.6	7.2	10.6	7.3	10.5	7.3	10.4	7.2	10.1	7.0	9.8	6.8
E	10.5	7.0	10.2	6.8	10.0	6.6	9.9	6.5	9.8	6.4	9.7	6.3	9.5	6.1	9.4	6.0	9.3	5.9	9.2	5.8	9.1	5.8	9.4	5.9	10.5	6.6	11.6	7.3	12.2	7.7	12.4	7.9	12.2	8.0	11.9	7.8	11.7	7.8	11.7	7.8	11.6	7.8	11.5	7.7	11.2	7.6	10.9	7.3
SE	10.5	7.0	10.2	6.8	10.0	6.6	9.9	6.5	9.8	6.4	9.7	6.3	9.5	6.1	9.4	6.0	9.3	5.9	9.2	5.8	9.2	5.8	9.4	5.9	10.2	6.5	11.2	7.1	11.9	7.6	12.3	7.9	12.4	8.0	12.3	8.0	12.0	7.9	11.7	7.8	11.6	7.8	11.5	7.7	11.2	7.6	10.9	7.4
S	9.4	6.5	9.1	6.2	9.0	6.1	8.9	6.0	8.7	5.9	8.6	5.8	8.4	5.6	8.3	5.5	8.3	5.4	8.2	5.3	8.1	5.2	8.2	5.3	8.8	5.8	9.3	6.1	9.9	6.6	10.4	7.0	10.9	7.3	11.2	7.5	11.3	7.6	11.2	7.6	10.9	7.5	10.6	7.3	10.2	7.0	9.8	6.8
SW	11.3	7.5	10.7	7.0	10.5	6.9	10.4	6.8	10.3	6.7	10.2	6.6	10.0	6.4	9.9	6.3	9.8	6.2	9.7	6.1	9.7	6.0	9.8	6.1	10.4	6.5	10.9	6.9	11.3	7.3	11.7	7.6	11.9	7.8	12.4	8.1	12.9	8.4	13.2	8.6	13.3	8.6	13.3	8.6	13.0	8.4	12.5	8.1
W	12.5	8.0	11.4	7.4	11.3	7.2	11.2	7.1	11.0	7.0	10.9	6.9	10.7	6.7	10.6	6.6	10.6	6.6	10.5	6.5	10.4	6.4	10.5	6.5	11.1	6.9	11.6	7.3	12.1	7.7	12.4	7.9	12.7	8.2	12.8	8.3	13.2	8.6	13.8	8.9	14.1	9.1	14.4	9.2	14.4	9.1	14.0	8.9
NW	11.2	7.4	10.1	6.7	10.0	6.6	9.9	6.5	9.7	6.4	9.6	6.3	9.4	6.1	9.3	6.0	9.3	5.9	9.2	5.8	9.1	5.7	9.2	5.8	9.8	6.3	10.3	6.6	10.8	7.0	11.1	7.3	11.4	7.5	11.5	7.7	11.6	7.8	11.8	7.9	12.2	8.1	12.5	8.2	12.6	8.3	12.5	8.1
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.5	5.9	8.4	5.9	8.3	5.8	8.3	5.8	8.2	5.7	8.2	5.7	8.2	5.7	8.2	5.6	8.1	5.6	8.1	5.6	8.1	5.6	8.1	5.6	8.1	5.6	8.3	5.7	8.4	5.8	8.4	5.8	8.5	5.9	8.6	5.9	8.6	6.0	8.6	6.0	8.6	6.0	8.6	6.0	8.6	6.0	8.5	6.0
NE	9.5	6.4	9.4	6.4	9.4	6.3	9.3	6.3	9.3	6.3	9.3	6.2	9.3	6.2	9.2	6.2	9.2	6.2	9.2	6.1	9.2	6.1	9.2	6.1	9.2	6.1	9.4	6.3	9.6	6.4	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.6	6.5	9.6	6.5
E	10.7	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.5	6.9	10.5	6.8	10.4	6.8	10.4	6.8	10.4	6.7	10.4	6.7	10.3	6.7	10.3	6.7	10.4	6.7	10.6	6.9	10.8	7.0	11.0	7.1	11.0	7.1	11.0	7.2	10.9	7.1	10.9	7.1	10.9	7.1	10.8	7.1	10.8	7.1	10.8	7.1
SE	10.7	7.0	10.6	7.0	10.5	6.9	10.5	6.9	10.5	6.9	10.5	6.8	10.4	6.8	10.4	6.8	10.4	6.7	10.4	6.7	10.3	6.7	10.3	6.7	10.4	6.7	10.6	6.8	10.8	7.0	10.9	7.1	11.0	7.1	11.0	7.2	11.0	7.2	10.9	7.1	10.9	7.1	10.9	7.1	10.8	7.1	10.8	7.1
S	9.6	6.5	9.5	6.4	9.4	6.3	9.4	6.3	9.4	6.3	9.3	6.3	9.3	6.2	9.3	6.2	9.2	6.2	9.2	6.2	9.2	6.1	9.2	6.1	9.2	6.1	9.3	6.2	9.4	6.3	9.6	6.4	9.7	6.5	9.8	6.6	9.8	6.6	9.9	6.6	9.9	6.6	9.8	6.6	9.7	6.6	9.6	6.5
SW	11.5	7.4	11.2	7.3	11.1	7.2	11.1	7.2	11.1	7.1	11.0	7.1	11.0	7.1	11.0	7.0	10.9	7.0	10.9	7.0	10.9	7.0	10.9	7.0	10.9	7.0	11.0	7.1	11.1	7.2	11.2	7.2	11.3	7.3	11.4	7.4	11.5	7.4	11.6	7.5	11.6	7.5	11.7	7.5	11.6	7.5	11.6	7.5
W	12.4	7.9	12.1	7.7	11.9	7.6	11.8	7.5	11.8	7.5	11.8	7.5	11.8	7.5	11.7	7.4	11.7	7.4	11.7	7.4	11.7	7.4	11.7	7.4	11.7	7.4	11.8	7.5	11.9	7.5	12.0	7.6	12.1	7.7	12.1	7.7	12.2	7.8	12.3	7.8	12.4	7.9	12.5	7.9	12.5	7.9	12.5	7.9
NW	11.0	7.2	10.7	7.0	10.5	6.9	10.5	6.8	10.4	6.8	10.4	6.8	10.4	6.8	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.3	6.7	10.4	6.8	10.5	6.9	10.6	6.9	10.7	7.0	10.8	7.0	10.8	7.1	10.8	7.1	10.8	7.1	10.9	7.2	11.0	7.2	11.0	7.2
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.7	1.9	5.2	1.4	4.2	0.3	3.6	-0.2	3.1	-0.7	2.6	-1.3	2.2	-1.7	3.5	-1.0	8.6	2.5	14.5	6.1	20.4	10.0	24.9	12.8	28.3	15.1	30.2	16.3	31.1	17.1	30.3	16.9	27.9	15.7	25.0	14.3	21.0	12.1	16.4	9.4	10.7	6.0	7.9	4.0	7.1	3.2	6.5	2.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KARS (40.36)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	1.8	-0.4	1.5	-0.6	1.4	-0.8	1.2	-0.9	1.1	-1.0	0.9	-1.2	0.8	-1.3	0.6	-1.5	0.5	-1.7	0.3	-1.8	0.4	-1.8	1.2	-1.3	2.0	-0.6	2.9	0.1	3.5	0.6	4.0	1.0	4.3	1.3	4.6	1.5	4.6	1.6	4.5	1.6	4.2	1.4	3.8	1.2	3.3	0.8	2.5	0.1
NE	2.2	-0.2	2.0	-0.4	1.8	-0.5	1.7	-0.7	1.5	-0.8	1.3	-1.0	1.3	-1.1	1.1	-1.3	0.9	-1.5	0.8	-1.6	0.9	-1.5	1.8	-1.0	2.9	-0.2	4.1	0.7	4.5	1.1	4.5	1.3	4.8	1.5	5.0	1.7	5.0	1.8	5.0	1.8	4.6	1.6	4.2	1.4	3.6	0.9	2.7	0.2
E	2.9	0.2	2.7	0.0	2.5	-0.2	2.4	-0.3	2.2	-0.5	2.0	-0.7	1.9	-0.8	1.8	-0.9	1.6	-1.1	1.5	-1.2	1.6	-1.2	2.5	-0.6	3.8	0.3	5.3	1.3	5.9	1.8	6.0	2.0	5.8	2.0	5.7	2.1	5.7	2.2	5.6	2.2	5.3	2.0	4.9	1.7	4.3	1.3	3.4	0.6
SE	2.8	0.2	2.6	0.0	2.5	-0.2	2.3	-0.3	2.2	-0.5	2.0	-0.7	1.9	-0.8	1.7	-0.9	1.5	-1.1	1.4	-1.2	1.5	-1.2	2.4	-0.7	3.6	0.2	5.0	1.2	5.9	1.8	6.3	2.1	6.4	2.3	6.0	2.3	5.7	2.2	5.6	2.2	5.3	2.0	4.9	1.7	4.2	1.3	3.3	0.5
S	2.8	0.2	2.6	0.0	2.5	-0.2	2.3	-0.3	2.2	-0.5	2.0	-0.7	1.9	-0.8	1.7	-0.9	1.5	-1.1	1.4	-1.2	1.5	-1.2	2.2	-0.8	3.1	-0.1	4.2	0.8	5.1	1.4	5.9	1.9	6.4	2.4	6.5	2.5	6.4	2.5	6.1	2.4	5.5	2.1	4.9	1.7	4.3	1.3	3.3	0.5
SW	3.2	0.3	3.0	0.1	2.8	0.0	2.7	-0.2	2.5	-0.3	2.4	-0.5	2.3	-0.6	2.1	-0.8	1.9	-1.0	1.8	-1.1	1.9	-1.0	2.6	-0.6	3.4	0.1	4.4	0.9	5.0	1.4	5.5	1.7	6.2	2.3	6.8	2.7	7.2	2.9	7.1	2.9	6.8	2.7	6.0	2.3	5.1	1.7	4.0	0.9
W	3.2	0.3	3.0	0.1	2.8	0.0	2.7	-0.2	2.5	-0.3	2.4	-0.5	2.3	-0.6	2.1	-0.8	1.9	-0.9	1.8	-1.1	1.9	-1.0	2.6	-0.6	3.4	0.1	4.4	0.9	5.0	1.4	5.5	1.7	5.8	2.1	6.3	2.4	6.9	2.8	7.1	2.9	7.0	2.8	6.4	2.4	5.4	1.8	4.3	1.0
NW	2.5	0.0	2.3	-0.2	2.1	-0.4	2.0	-0.5	1.8	-0.7	1.7	-0.8	1.6	-0.9	1.4	-1.1	1.2	-1.3	1.1	-1.4	1.2	-1.4	1.9	-0.9	2.7	-0.3	3.7	0.5	4.3	1.0	4.7	1.4	5.1	1.7	5.3	1.9	5.4	2.0	5.8	2.2	5.8	2.2	5.3	1.9	4.6	1.4	3.6	0.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	2.4	-0.1	2.1	-0.2	2.1	-0.3	2.0	-0.3	2.0	-0.4	1.9	-0.4	1.9	-0.5	1.8	-0.5	1.8	-0.6	1.7	-0.6	1.7	-0.7	1.7	-0.7	2.0	-0.5	2.2	-0.3	2.5	-0.1	2.7	0.1	2.9	0.2	3.0	0.3	3.0	0.4	3.1	0.4	3.0	0.4	2.9	0.4	2.8	0.3	2.6	0.2
NE	2.8	0.1	2.6	0.0	2.6	0.0	2.5	-0.1	2.5	-0.1	2.4	-0.2	2.4	-0.2	2.3	-0.3	2.3	-0.3	2.2	-0.4	2.2	-0.4	2.2	-0.4	2.5	-0.2	2.9	0.0	3.2	0.3	3.4	0.4	3.4	0.5	3.5	0.6	3.5	0.6	3.6	0.7	3.5	0.7	3.4	0.6	3.3	0.5	3.1	0.4
E	3.5	0.5	3.4	0.4	3.3	0.3	3.3	0.3	3.2	0.2	3.2	0.2	3.1	0.1	3.1	0.1	3.0	0.0	3.0	0.0	2.9	-0.1	3.0	0.0	3.3	0.1	3.7	0.4	4.2	0.8	4.4	0.9	4.4	1.0	4.3	1.0	4.3	1.0	4.3	1.0	4.3	1.0	4.2	1.0	4.0	0.9	3.8	0.8
SE	3.5	0.5	3.4	0.4	3.3	0.3	3.3	0.3	3.2	0.2	3.2	0.2	3.1	0.1	3.1	0.1	3.0	0.0	3.0	0.0	2.9	-0.1	3.0	-0.1	3.2	0.1	3.6	0.4	4.1	0.7	4.3	0.9	4.5	1.0	4.5	1.1	4.4	1.1	4.3	1.0	4.3	1.0	4.2	1.0	4.0	0.9	3.8	0.7
S	3.5	0.5	3.4	0.4	3.3	0.3	3.2	0.3	3.2	0.2	3.1	0.2	3.1	0.1	3.1	0.1	3.0	0.0	2.9	0.0	2.9	-0.1	2.9	-0.1	3.2	0.1	3.4	0.3	3.8	0.6	4.1	0.8	4.3	1.0	4.5	1.1	4.5	1.1	4.5	1.1	4.4	1.1	4.2	1.0	4.0	0.9	3.8	0.7
SW	4.0	0.8	3.8	0.6	3.7	0.5	3.6	0.5	3.6	0.4	3.5	0.4	3.5	0.3	3.5	0.3	3.4	0.2	3.3	0.2	3.3	0.1	3.3	0.1	3.6	0.3	3.8	0.5	4.1	0.8	4.3	0.9	4.5	1.0	4.7	1.2	4.9	1.3	5.0	1.4	5.0	1.4	4.9	1.3	4.7	1.2	4.4	1.0
W	4.1	0.8	3.8	0.6	3.7	0.5	3.6	0.5	3.6	0.4	3.6	0.4	3.5	0.3	3.5	0.3	3.4	0.2	3.3	0.2	3.3	0.1	3.3	0.1	3.6	0.3	3.8	0.5	4.1	0.8	4.3	0.9	4.5	1.0	4.6	1.1	4.8	1.2	4.9	1.4	5.0	1.4	5.0	1.4	4.8	1.3	4.5	1.1
NW	3.3	0.4	3.0	0.2	2.9	0.1	2.9	0.1	2.8	0.0	2.8	0.0	2.7	-0.1	2.7	-0.1	2.6	-0.2	2.6	-0.2	2.5	-0.3	2.6	-0.3	2.8	-0.1	3.1	0.1	3.4	0.4	3.6	0.5	3.7	0.6	3.8	0.7	3.9	0.8	3.9	0.8	4.0	0.9	4.0	0.9	3.9	0.8	3.6	0.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	2.4	0.0	2.1	-0.3	2.0	-0.3	1.9	-0.4	1.9	-0.5	1.8	-0.5	1.7	-0.6	1.7	-0.7	1.6	-0.7	1.5	-0.8	1.5	-0.9	1.5	-0.9	1.8	-0.6	2.2	-0.4	2.6	0.0	2.9	0.2	3.1	0.4	3.2	0.5	3.3	0.6	3.3	0.6	3.3	0.6	3.1	0.5	3.0	0.4	2.8	0.3
NE	2.8	0.2	2.6	0.0	2.5	-0.1	2.4	-0.2	2.3	-0.2	2.3	-0.3	2.2	-0.4	2.2	-0.4	2.1	-0.5	2.0	-0.6	1.9	-0.6	2.0	-0.6	2.4	-0.4	2.9	0.0	3.4	0.4	3.6	0.5	3.6	0.6	3.7	0.7	3.8	0.8	3.8	0.9	3.8	0.9	3.6	0.8	3.4	0.7	3.2	0.5
E	3.5	0.5	3.3	0.4	3.2	0.3	3.1	0.2	3.1	0.1	3.0	0.1	2.9	0.0	2.9	0.0	2.8	-0.1	2.7	-0.2	2.7	-0.3	2.8	-0.2	3.2	0.0	3.7	0.4	4.3	0.9	4.6	1.1	4.7	1.2	4.6	1.2	4.5	1.2	4.5	1.2	4.5	1.2	4.4	1.1	4.2	1.0	3.9	0.8
SE	3.5	0.5	3.3	0.4	3.2	0.3	3.1	0.2	3.1	0.1	3.0	0.1	2.9	0.0	2.9	-0.1	2.8	-0.1	2.7	-0.2	2.7	-0.3	2.7	-0.2	3.1	0.0	3.6	0.4	4.2	0.8	4.6	1.1	4.8	1.2	4.8	1.3	4.7	1.3	4.5	1.2	4.5	1.2	4.3	1.1	4.2	1.0	3.9	0.8
S	3.5	0.5	3.3	0.3	3.2	0.3	3.1	0.2	3.1	0.1	3.0	0.1	2.9	0.0	2.9	-0.1	2.8	-0.1	2.7	-0.2	2.7	-0.3	2.7	-0.3	3.0	-0.1	3.4	0.2	3.9	0.6	4.3	0.9	4.6	1.1	4.8	1.3	4.9	1.4	4.8	1.4	4.7	1.3	4.4	1.2	4.2	1.0	3.9	0.8
SW	4.0	0.8	3.7	0.5	3.6	0.5	3.5	0.4	3.4	0.3	3.4	0.3	3.3	0.2	3.3	0.1	3.2	0.1	3.1	0.0	3.1	-0.1	3.1	-0.1	3.4	0.1	3.8	0.4	4.2	0.8	4.4	1.0	4.6	1.2	5.0	1.4	5.3	1.6	5.4	1.7	5.4	1.7	5.2	1.6	4.9	1.4	4.5	1.1
W	4.2	0.8	3.7	0.5	3.6	0.5	3.5	0.4	3.4	0.3	3.4	0.3	3.3	0.2	3.3	0.1	3.2	0.1	3.1	0.0	3.1	-0.1	3.1	-0.1	3.4	0.1	3.8	0.4	4.2	0.8	4.4	1.0	4.6	1.2	4.8	1.3	5.0	1.4	5.3	1.6	5.4	1.7	5.3	1.6	5.0	1.5	4.6	1.2
NW	3.4	0.5	2.9	0.2	2.8	0.1	2.7	0.0	2.7	-0.1	2.6	-0.1	2.5	-0.2	2.5	-0.2	2.4	-0.3	2.3	-0.4	2.3	-0.5	2.3	-0.4	2.6	-0.2	3.0	0.1	3.4	0.4	3.7	0.6	3.9	0.8	4.0	0.9	4.1	1.0	4.2	1.0	4.3	1.1	4.3	1.1	4.1	1.0	3.8	0.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	2.4	0.0	2.0	-0.3	1.8	-0.4	1.7	-0.6	1.6	-0.6	1.5	-0.7	1.4	-0.8	1.3	-0.9	1.2	-1.0	1.1	-1.1	1.0	-1.2	1.1	-1.2	1.6	-0.9	2.1	-0.5	2.7	0.0	3.1	0.4	3.4	0.6	3.6	0.8	3.8	0.9	3.8	1.0	3.8	1.0	3.5	0.9	3.3	0.7	3.0	0.5
NE	2.7	0.2	2.4	-0.1	2.3	-0.2	2.2	-0.3	2.1	-0.4	2.0	-0.5	1.9	-0.6	1.8	-0.7	1.7	-0.8	1.6	-0.9	1.5	-1.0	1.6	-0.9	2.2	-0.6	2.9	-0.1	3.7	0.5	3.9	0.8	3.9	0.9	4.1	1.0	4.2	1.2	4.3	1.2	4.2	1.2	4.0	1.1	3.7	0.9	3.3	0.6
E	3.5	0.5	3.1	0.3	3.0	0.2	2.9	0.0	2.8	0.0	2.7	-0.1	2.6	-0.3	2.5	-0.3	2.4	-0.4	2.3	-0.6	2.2	-0.6	2.3	-0.6	2.9	-0.2	3.8	0.4	4.7	1.0	5.1	1.3	5.2	1.5	5.0	1.5	5.0	1.5	5.0	1.6	4.9	1.6	4.7	1.5	4.4	1.3	4.0	1.0
SE	3.4	0.5	3.1	0.3	3.0	0.1	2.9	0.0	2.8	-0.1	2.7	-0.1	2.6	-0.3	2.5	-0.3	2.4	-0.4	2.3	-0.6	2.2	-0.6	2.3	-0.6	2.8	-0.3	3.6	0.3	4.5	1.0	5.1	1.3	5.3	1.6	5.4	1.7	5.2	1.7	5.0	1.6	4.9	1.6	4.7	1.4	4.4	1.3	4.0	1.0
S	3.4	0.5	3.1	0.3	3.0	0.1	2.9	0.0	2.8	-0.1	2.7	-0.2	2.6	-0.3	2.5	-0.3	2.4	-0.4	2.3	-0.6	2.2	-0.6	2.2	-0.6	2.7	-0.3	3.3	0.1	4.0	0.7	4.6	1.1	5.1	1.4	5.4	1.7	5.5	1.8	5.4	1.8	5.2	1.7	4.8	1.5	4.4	1.3	4.0	1.0
SW	4.0	0.8	3.5	0.5	3.4	0.3	3.2	0.2	3.2	0.1	3.1	0.0	2.9	-0.1	2.9	-0.1	2.8	-0.3	2.7	-0.4	2.6	-0.4	2.6	-0.4	3.1	-0.1	3.6	0.3	4.3	0.8	4.6	1.1	5.0	1.4	5.5	1.7	5.9	2.0	6.1	2.1	6.1	2.1	5.8	2.0	5.3	1.7	4.7	1.3
W	4.2	0.9	3.5	0.5	3.4	0.3	3.2	0.2	3.2	0.1	3.1	0.0	2.9	-0.1	2.9	-0.1	2.8	-0.3	2.7	-0.4	2.6	-0.4	2.6	-0.4	3.1	-0.1	3.6	0.3	4.3	0.8	4.7	1.1	5.0	1.4	5.2	1.6	5.5	1.8	5.9	2.0	6.1	2.1	6.0	2.1	5.5	1.8	4.9	1.4
NW	3.5	0.5	2.7	0.1	2.6	0.0	2.5	-0.2	2.4	-0.2	2.3	-0.3	2.2	-0.4	2.1	-0.5	2.0	-0.6	1.9	-0.7	1.8	-0.8	1.9	-0.8	2.3	-0.5	2.9	-0.1	3.5	0.4	3.9	0.8	4.2	1.0	4.4	1.2	4.6	1.3	4.7	1.4	4.9	1.6	4.9	1.5	4.6	1.4	4.1	1.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	2.4	-0.1	2.2	-0.2	2.1	-0.3	2.0	-0.3	2.0	-0.4	2.0	-0.4	1.9	-0.5	1.9	-0.5	1.8	-0.5	1.8	-0.6	1.8	-0.6	1.8	-0.6	2.0	-0.5	2.2	-0.3	2.5	-0.1	2.7	0.1	2.8	0.2	2.9	0.3	3.0	0.3	3.0	0.4	3.0	0.4	2.9	0.3	2.8	0.2	2.6	0.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KARS (40.36)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	2.4	0.0	2.0	-0.3	1.8	-0.4	1.7	-0.6	1.6	-0.6	1.5	-0.7	1.4	-0.8	1.3	-0.9	1.2	-1.0	1.1	-1.1	1.0	-1.2	1.1	-1.2	1.6	-0.9	2.1	-0.5	2.7	0.0	3.1	0.4	3.4	0.6	3.6	0.8	3.8	0.9	3.8	1.0	3.8	1.0	3.5	0.9	3.3	0.7	3.0	0.5
NE	2.7	0.2	2.4	-0.1	2.3	-0.2	2.2	-0.3	2.1	-0.4	2.0	-0.5	1.9	-0.6	1.8	-0.7	1.7	-0.8	1.6	-0.9	1.5	-1.0	1.6	-0.9	2.2	-0.6	2.9	-0.1	3.7	0.5	3.9	0.8	3.9	0.9	4.1	1.0	4.2	1.2	4.3	1.2	4.2	1.2	4.0	1.1	3.7	0.9	3.3	0.6
E	3.5	0.5	3.1	0.3	3.0	0.2	2.9	0.0	2.8	0.0	2.7	-0.1	2.6	-0.3	2.5	-0.3	2.4	-0.4	2.3	-0.6	2.2	-0.6	2.3	-0.6	2.9	-0.2	3.8	0.4	4.7	1.0	5.1	1.3	5.2	1.5	5.0	1.5	5.0	1.5	5.0	1.6	4.9	1.6	4.7	1.5	4.4	1.3	4.0	1.0
SE	3.4	0.5	3.1	0.3	3.0	0.1	2.9	0.0	2.8	-0.1	2.7	-0.1	2.6	-0.3	2.5	-0.3	2.4	-0.4	2.3	-0.6	2.2	-0.6	2.3	-0.6	2.8	-0.3	3.6	0.3	4.5	1.0	5.1	1.3	5.3	1.6	5.4	1.7	5.2	1.7	5.0	1.6	4.9	1.6	4.7	1.4	4.4	1.3	4.0	1.0
S	3.4	0.5	3.1	0.3	3.0	0.1	2.9	0.0	2.8	-0.1	2.7	-0.2	2.6	-0.3	2.5	-0.3	2.4	-0.4	2.3	-0.6	2.2	-0.6	2.2	-0.6	2.7	-0.3	3.3	0.1	4.0	0.7	4.6	1.1	5.1	1.4	5.4	1.7	5.5	1.8	5.4	1.8	5.2	1.7	4.8	1.5	4.4	1.3	4.0	1.0
SW	4.0	0.8	3.5	0.5	3.4	0.3	3.2	0.2	3.2	0.1	3.1	0.0	2.9	-0.1	2.9	-0.1	2.8	-0.3	2.7	-0.4	2.6	-0.4	2.6	-0.4	3.1	-0.1	3.6	0.3	4.3	0.8	4.6	1.1	5.0	1.4	5.5	1.7	5.9	2.0	6.1	2.1	6.1	2.1	5.8	2.0	5.3	1.7	4.7	1.3
W	4.2	0.9	3.5	0.5	3.4	0.3	3.2	0.2	3.2	0.1	3.1	0.0	2.9	-0.1	2.9	-0.1	2.8	-0.3	2.7	-0.4	2.6	-0.4	2.6	-0.4	3.1	-0.1	3.6	0.3	4.3	0.8	4.7	1.1	5.0	1.4	5.2	1.6	5.5	1.8	5.9	2.0	6.1	2.1	6.0	2.1	5.5	1.8	4.9	1.4
NW	3.5	0.5	2.7	0.1	2.6	0.0	2.5	-0.2	2.4	-0.2	2.3	-0.3	2.2	-0.4	2.1	-0.5	2.0	-0.6	1.9	-0.7	1.8	-0.8	1.9	-0.8	2.3	-0.5	2.9	-0.1	3.5	0.4	3.9	0.8	4.2	1.0	4.4	1.2	4.6	1.3	4.7	1.4	4.9	1.6	4.9	1.5	4.6	1.4	4.1	1.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	2.5	0.0	2.4	-0.1	2.2	-0.2	2.2	-0.2	2.2	-0.2	2.2	-0.3	2.1	-0.3	2.1	-0.3	2.1	-0.3	2.1	-0.4	2.0	-0.4	2.0	-0.4	2.0	-0.4	2.1	-0.3	2.3	-0.2	2.4	-0.1	2.5	0.0	2.6	0.0	2.6	0.1	2.7	0.1	2.7	0.1	2.7	0.1	2.6	0.1	2.6	0.1
NE	3.0	0.2	2.8	0.1	2.7	0.1	2.7	0.0	2.7	0.0	2.7	0.0	2.6	0.0	2.6	-0.1	2.6	-0.1	2.6	-0.1	2.5	-0.1	2.5	-0.2	2.5	-0.1	2.7	-0.1	2.9	0.1	3.0	0.2	3.1	0.3	3.1	0.3	3.1	0.3	3.2	0.4	3.2	0.4	3.2	0.4	3.1	0.3	3.1	0.3
E	3.7	0.6	3.6	0.5	3.5	0.4	3.5	0.4	3.4	0.4	3.4	0.4	3.4	0.3	3.4	0.3	3.4	0.3	3.3	0.3	3.3	0.2	3.3	0.2	3.3	0.2	3.5	0.3	3.7	0.5	3.9	0.6	4.0	0.7	4.0	0.7	4.0	0.7	4.0	0.7	4.0	0.8	3.9	0.8	3.9	0.7	3.8	0.7
SE	3.7	0.6	3.6	0.5	3.5	0.4	3.5	0.4	3.4	0.4	3.4	0.4	3.4	0.3	3.4	0.3	3.4	0.3	3.3	0.3	3.3	0.2	3.3	0.2	3.3	0.2	3.4	0.3	3.6	0.4	3.9	0.6	4.0	0.7	4.0	0.8	4.1	0.8	4.0	0.8	4.0	0.8	3.9	0.8	3.9	0.7	3.8	0.7
S	3.7	0.6	3.6	0.5	3.5	0.4	3.5	0.4	3.4	0.4	3.4	0.4	3.4	0.3	3.4	0.3	3.3	0.3	3.3	0.3	3.3	0.2	3.3	0.2	3.3	0.2	3.4	0.3	3.5	0.4	3.7	0.5	3.8	0.6	4.0	0.7	4.0	0.8	4.1	0.8	4.0	0.8	4.0	0.8	3.9	0.7	3.8	0.7
SW	4.2	0.9	4.0	0.7	3.9	0.6	3.9	0.6	3.8	0.6	3.8	0.6	3.8	0.5	3.8	0.5	3.7	0.5	3.7	0.5	3.7	0.4	3.7	0.4	3.7	0.4	3.8	0.5	3.9	0.6	4.1	0.7	4.2	0.8	4.2	0.9	4.4	0.9	4.5	1.0	4.5	1.0	4.5	1.0	4.5	1.0	4.3	0.9
W	4.2	0.9	4.1	0.8	3.9	0.6	3.9	0.6	3.8	0.6	3.8	0.6	3.8	0.5	3.8	0.5	3.8	0.5	3.7	0.5	3.7	0.4	3.7	0.4	3.7	0.4	3.8	0.5	3.9	0.6	4.1	0.7	4.2	0.8	4.3	0.9	4.3	0.9	4.4	1.0	4.5	1.0	4.5	1.0	4.5	1.0	4.4	1.0
NW	3.4	0.5	3.3	0.3	3.1	0.2	3.1	0.2	3.0	0.2	3.0	0.2	3.0	0.1	3.0	0.1	2.9	0.1	2.9	0.1	2.9	0.0	2.9	0.0	2.9	0.0	3.0	0.1	3.1	0.2	3.3	0.3	3.4	0.4	3.4	0.5	3.5	0.5	3.5	0.5	3.6	0.6	3.6	0.6	3.6	0.6	3.5	0.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	2.4	0.0	2.0	-0.3	1.9	-0.4	1.7	-0.5	1.7	-0.6	1.6	-0.7	1.5	-0.8	1.4	-0.9	1.3	-1.0	1.2	-1.1	1.1	-1.1	1.2	-1.1	1.6	-0.8	2.1	-0.4	2.7	0.0	3.1	0.3	3.3	0.6	3.6	0.7	3.7	0.9	3.7	0.9	3.7	0.9	3.5	0.8	3.2	0.6	2.9	0.4
NE	2.7	0.2	2.4	-0.1	2.3	-0.2	2.2	-0.3	2.1	-0.4	2.0	-0.5	1.9	-0.6	1.9	-0.6	1.8	-0.7	1.7	-0.8	1.6	-0.9	1.7	-0.9	2.2	-0.5	2.9	-0.1	3.6	0.5	3.8	0.7	3.9	0.8	4.0	1.0	4.2	1.1	4.2	1.2	4.1	1.2	3.9	1.0	3.7	0.9	3.3	0.6
E	3.5	0.5	3.2	0.3	3.0	0.2	2.9	0.1	2.9	0.0	2.8	-0.1	2.7	-0.2	2.6	-0.3	2.5	-0.4	2.4	-0.5	2.3	-0.5	2.4	-0.5	3.0	-0.2	3.7	0.4	4.6	1.0	5.0	1.3	5.1	1.4	4.9	1.4	4.9	1.5	4.9	1.5	4.8	1.5	4.6	1.4	4.4	1.2	4.0	1.0
SE	3.4	0.5	3.2	0.3	3.0	0.2	2.9	0.1	2.8	0.0	2.7	-0.1	2.6	-0.2	2.6	-0.3	2.5	-0.4	2.4	-0.5	2.3	-0.6	2.4	-0.5	2.9	-0.2	3.6	0.3	4.5	0.9	5.0	1.3	5.2	1.5	5.3	1.6	5.1	1.6	4.9	1.5	4.8	1.5	4.6	1.4	4.4	1.2	4.0	1.0
S	3.4	0.5	3.1	0.3	3.0	0.2	2.9	0.1	2.8	0.0	2.7	-0.1	2.6	-0.2	2.6	-0.3	2.5	-0.4	2.4	-0.5	2.3	-0.6	2.3	-0.6	2.8	-0.3	3.3	0.1	4.0	0.7	4.5	1.1	5.0	1.4	5.3	1.6	5.4	1.7	5.3	1.7	5.1	1.6	4.8	1.4	4.4	1.2	4.0	1.0
SW	4.0	0.8	3.5	0.5	3.4	0.4	3.3	0.3	3.2	0.2	3.1	0.1	3.0	0.0	3.0	-0.1	2.9	-0.2	2.7	-0.3	2.7	-0.4	2.7	-0.4	3.1	-0.1	3.7	0.3	4.2	0.8	4.6	1.1	4.9	1.3	5.4	1.7	5.7	1.9	5.9	2.0	5.9	2.0	5.7	1.9	5.2	1.7	4.7	1.3
W	4.2	0.9	3.5	0.5	3.4	0.4	3.3	0.3	3.2	0.2	3.1	0.1	3.0	0.0	3.0	-0.1	2.9	-0.2	2.7	-0.3	2.7	-0.4	2.7	-0.4	3.1	-0.1	3.7	0.3	4.2	0.8	4.6	1.1	4.9	1.3	5.1	1.5	5.4	1.7	5.8	1.9	5.9	2.0	5.8	2.0	5.4	1.8	4.9	1.4
NW	3.4	0.5	2.8	0.1	2.7	0.0	2.5	-0.1	2.5	-0.2	2.4	-0.3	2.3	-0.4	2.2	-0.5	2.1	-0.6	2.0	-0.7	1.9	-0.7	2.0	-0.7	2.4	-0.5	2.9	0.0	3.5	0.4	3.9	0.7	4.1	1.0	4.4	1.1	4.5	1.3	4.6	1.3	4.8	1.5	4.8	1.4	4.5	1.3	4.0	1.0
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	2.5	0.0	2.3	-0.1	2.3	-0.2	2.2	-0.2	2.2	-0.2	2.2	-0.2	2.2	-0.3	2.1	-0.3	2.1	-0.3	2.1	-0.3	2.1	-0.3	2.1	-0.4	2.1	-0.4	2.2	-0.3	2.3	-0.2	2.4	-0.1	2.5	0.0	2.5	0.0	2.6	0.0	2.6	0.1	2.6	0.1	2.6	0.1	2.6	0.1	2.5	0.0
NE	2.9	0.2	2.8	0.1	2.8	0.1	2.7	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.6	0.0	2.6	-0.1	2.6	-0.1	2.6	-0.1	2.6	-0.1	2.7	0.0	2.9	0.1	3.0	0.2	3.1	0.2	3.1	0.3	3.1	0.3	3.1	0.3	3.1	0.3	3.1	0.3	3.1	0.3	3.0	0.3
E	3.7	0.6	3.6	0.5	3.5	0.5	3.5	0.4	3.5	0.4	3.5	0.4	3.4	0.4	3.4	0.4	3.4	0.3	3.4	0.3	3.4	0.3	3.4	0.3	3.4	0.3	3.5	0.4	3.7	0.5	3.8	0.6	3.9	0.7	3.9	0.7	3.9	0.7	3.9	0.7	3.9	0.7	3.9	0.7	3.8	0.7	3.8	0.7
SE	3.7	0.6	3.6	0.5	3.5	0.5	3.5	0.4	3.5	0.4	3.5	0.4	3.4	0.4	3.4	0.3	3.4	0.3	3.4	0.3	3.4	0.3	3.3	0.3	3.4	0.3	3.5	0.3	3.6	0.5	3.8	0.6	3.9	0.7	4.0	0.7	4.0	0.7	3.9	0.7	3.9	0.7	3.9	0.7	3.8	0.7	3.8	0.7
S	3.7	0.6	3.6	0.5	3.5	0.4	3.5	0.4	3.5	0.4	3.4	0.4	3.4	0.4	3.4	0.3	3.4	0.3	3.4	0.3	3.3	0.3	3.3	0.3	3.3	0.3	3.4	0.3	3.5	0.4	3.7	0.5	3.8	0.6	3.9	0.7	4.0	0.7	4.0	0.7	4.0	0.7	3.9	0.7	3.9	0.7	3.8	0.6
SW	4.2	0.8	4.0	0.7	3.9	0.7	3.9	0.6	3.9	0.6	3.9	0.6	3.8	0.6	3.8	0.5	3.8	0.5	3.8	0.5	3.8	0.5	3.7	0.5	3.7	0.5	3.8	0.5	4.0	0.6	4.1	0.7	4.1	0.8	4.2	0.8	4.3	0.9	4.4	1.0	4.4	1.0	4.4	1.0	4.4	1.0	4.3	0.9
W	4.2	0.8	4.1	0.7	3.9	0.7	3.9	0.6	3.9	0.6	3.9	0.6	3.8	0.6	3.8	0.5	3.8	0.5	3.8	0.5	3.8	0.5	3.7	0.5	3.8	0.5	3.8	0.5	4.0	0.6	4.1	0.7	4.2	0.8	4.2	0.8	4.3	0.9	4.3	0.9	4.4	1.0	4.4	1.0	4.4	1.0	4.3	0.9
NW	3.4	0.4	3.3	0.3	3.1	0.3	3.1	0.2	3.1	0.2	3.1	0.2	3.0	0.2	3.0	0.1	3.0	0.1	3.0	0.1	3.0	0.1	2.9	0.1	2.9	0.1	3.0	0.1	3.1	0.2	3.3	0.3	3.3	0.4	3.4	0.4	3.5	0.5	3.5	0.5	3.5	0.5	3.5	0.5	3.5	0.5	3.5	0.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	-1.7	-4.8	-2.2	-5.3	-2.8	-5.9	-3.1	-6.2	-3.7	-6.8	-4.3	-7.5	-4.7	-7.8	-4.2	-7.7	-0.5	-5.4	4.2	-2.2	10.2	1.8	14.6	4.6	17.9	6.8	20.2	8.4	20.3	8.8	19.5	8.6	17.7	7.9	14.8	6.3	11.0	4.2	7.0	1.8	2.5	-1.4	0.1	-3.0	-0.6	-3.7	-1.2	-4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KASTAMONU (41.22)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																												
N	5.1	3.0	4.8	2.7	4.4	2.4	4.2	2.1	4.0	2.0	3.8	1.7	3.6	1.5	3.5	1.4	3.4	1.3	3.3	1.3	3.5	1.3	4.3	1.9	5.2	2.6	6.0	3.3	6.6	3.8	7.1	4.2	7.6	4.6	7.9	4.9	8.0	5.1	7.9	5.0	7.5	4.8	7.0	4.4	6.4	4.0	5.7	3.5
NE	5.8	3.3	5.5	3.0	5.2	2.7	4.9	2.5	4.8	2.3	4.5	2.1	4.4	1.9	4.2	1.8	4.1	1.7	4.1	1.6	4.3	1.8	5.4	2.5	6.9	3.5	7.6	4.1	7.9	4.4	7.9	4.6	8.3	5.0	8.6	5.3	8.7	5.4	8.6	5.4	8.3	5.2	7.7	4.8	7.1	4.4	6.3	3.8
E	6.6	3.8	6.3	3.5	6.0	3.2	5.8	2.9	5.6	2.8	5.4	2.5	5.2	2.3	5.1	2.2	5.0	2.1	4.9	2.1	5.2	2.2	6.4	2.9	8.2	4.1	9.2	4.9	9.6	5.3	9.7	5.4	9.5	5.6	9.5	5.7	9.6	5.8	9.5	5.8	9.1	5.6	8.6	5.2	7.9	4.8	7.2	4.3
SE	6.6	3.8	6.3	3.5	6.0	3.1	5.8	2.9	5.6	2.8	5.3	2.5	5.2	2.3	5.1	2.2	5.0	2.1	4.9	2.0	5.1	2.1	6.1	2.8	7.8	3.9	8.9	4.7	9.6	5.3	10.0	5.6	10.1	5.9	9.9	5.9	9.6	5.8	9.5	5.8	9.1	5.6	8.5	5.2	7.9	4.8	7.2	4.2
S	6.3	3.6	6.0	3.3	5.7	3.0	5.4	2.7	5.3	2.6	5.0	2.3	4.8	2.2	4.7	2.0	4.6	1.9	4.6	1.9	4.7	1.9	5.5	2.5	6.4	3.2	7.5	4.0	8.5	4.7	9.2	5.2	9.8	5.7	10.1	6.0	9.9	6.0	9.5	5.8	8.9	5.5	8.2	5.0	7.6	4.6	6.8	4.1
SW	6.3	3.6	6.0	3.3	5.6	3.0	5.4	2.7	5.2	2.6	5.0	2.3	4.8	2.1	4.7	2.0	4.6	1.9	4.5	1.9	4.7	1.9	5.4	2.5	6.4	3.2	7.2	3.9	7.8	4.4	8.3	4.8	9.3	5.5	10.0	6.0	10.2	6.1	10.0	6.1	9.6	5.8	8.6	5.2	7.8	4.7	6.9	4.1
W	6.1	3.5	5.8	3.2	5.5	2.9	5.2	2.6	5.1	2.5	4.8	2.2	4.6	2.0	4.5	1.9	4.4	1.8	4.4	1.8	4.5	1.8	5.3	2.4	6.2	3.1	7.0	3.8	7.6	4.3	8.1	4.7	8.6	5.1	9.2	5.6	9.7	5.9	9.8	6.0	9.6	5.8	8.6	5.3	7.9	4.7	6.7	4.0
NW	5.5	3.2	5.2	2.9	4.9	2.6	4.6	2.3	4.5	2.2	4.2	1.9	4.1	1.8	3.9	1.7	3.8	1.6	3.8	1.5	3.9	1.5	4.7	2.1	5.6	2.8	6.4	3.5	7.0	4.0	7.5	4.4	8.0	4.8	8.3	5.1	8.5	5.3	8.7	5.4	8.6	5.3	7.9	4.9	7.2	4.4	6.2	3.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																												
N	5.5	3.2	5.3	3.0	5.2	2.9	5.1	2.8	5.0	2.7	5.0	2.7	4.9	2.6	4.9	2.6	4.8	2.5	4.8	2.5	4.8	2.5	4.8	2.5	5.1	2.7	5.4	2.9	5.6	3.1	5.8	3.3	6.0	3.4	6.1	3.5	6.2	3.6	6.3	3.7	6.2	3.7	6.1	3.6	5.9	3.5	5.8	3.4
NE	6.3	3.6	6.1	3.4	6.0	3.3	5.9	3.2	5.9	3.1	5.8	3.1	5.7	3.0	5.7	3.0	5.6	2.9	5.6	2.9	5.6	2.9	5.7	2.9	6.0	3.1	6.5	3.5	6.7	3.7	6.8	3.8	6.8	3.8	6.9	3.9	7.0	4.0	7.1	4.1	7.0	4.1	6.9	4.0	6.8	3.9	6.6	3.7
E	7.3	4.1	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.6	6.8	3.6	6.7	3.5	6.6	3.4	6.6	3.4	6.6	3.4	6.5	3.3	6.6	3.4	7.0	3.6	7.6	4.0	7.9	4.2	8.0	4.4	8.1	4.4	8.0	4.5	8.0	4.5	8.0	4.6	8.0	4.6	7.9	4.5	7.7	4.4	7.5	4.2
SE	7.3	4.0	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.6	6.8	3.6	6.7	3.5	6.6	3.4	6.6	3.4	6.6	3.4	6.5	3.3	6.6	3.4	6.9	3.6	7.5	3.9	7.8	4.2	8.0	4.4	8.2	4.5	8.2	4.6	8.1	4.6	8.0	4.6	8.0	4.6	7.9	4.5	7.7	4.4	7.5	4.2
S	6.9	3.9	6.7	3.7	6.6	3.6	6.5	3.5	6.4	3.4	6.4	3.4	6.3	3.3	6.2	3.2	6.2	3.2	6.2	3.2	6.1	3.1	6.2	3.2	6.4	3.3	6.7	3.6	7.1	3.8	7.4	4.1	7.6	4.2	7.8	4.4	7.9	4.5	7.8	4.5	7.7	4.4	7.5	4.3	7.3	4.2	7.1	4.0
SW	6.8	3.8	6.7	3.7	6.6	3.6	6.5	3.5	6.4	3.4	6.3	3.4	6.2	3.3	6.2	3.2	6.2	3.2	6.2	3.2	6.1	3.2	6.1	3.1	6.1	3.1	6.4	3.3	6.7	3.6	7.0	3.8	7.1	3.9	7.3	4.1	7.6	4.3	7.8	4.4	7.9	4.5	7.9	4.5	7.7	4.4	7.4	4.2	7.2	4.0
W	6.7	3.8	6.4	3.6	6.4	3.5	6.3	3.4	6.2	3.3	6.1	3.3	6.0	3.2	6.0	3.1	6.0	3.1	5.9	3.1	5.9	3.0	5.9	3.0	6.2	3.2	6.5	3.5	6.7	3.7	6.9	3.8	7.1	4.0	7.3	4.1	7.5	4.2	7.6	4.4	7.6	4.4	7.6	4.3	7.3	4.1	7.0	4.0
NW	6.0	3.4	5.8	3.3	5.7	3.2	5.6	3.1	5.5	3.0	5.5	2.9	5.4	2.8	5.3	2.8	5.3	2.8	5.3	2.7	5.3	2.7	5.3	2.7	5.5	2.9	5.8	3.1	6.1	3.4	6.3	3.5	6.5	3.6	6.6	3.8	6.7	3.9	6.8	3.9	6.8	4.0	6.8	3.9	6.6	3.8	6.4	3.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																												
N	5.5	3.2	5.3	3.0	5.1	2.9	5.0	2.7	4.9	2.6	4.8	2.6	4.7	2.5	4.6	2.4	4.6	2.3	4.6	2.3	4.5	2.3	4.6	2.3	5.0	2.5	5.3	2.9	5.7	3.1	5.9	3.3	6.2	3.5	6.4	3.7	6.5	3.8	6.6	3.9	6.5	3.9	6.3	3.8	6.1	3.6	5.9	3.5
NE	6.3	3.6	6.1	3.4	5.9	3.3	5.8	3.1	5.7	3.0	5.6	3.0	5.5	2.9	5.5	2.8	5.4	2.7	5.4	2.7	5.3	2.7	5.4	2.7	5.9	3.0	6.6	3.5	6.9	3.7	7.0	3.9	7.0	3.9	7.2	4.1	7.3	4.2	7.4	4.3	7.3	4.3	7.2	4.2	6.9	4.0	6.6	3.8
E	7.3	4.1	7.0	3.9	6.9	3.7	6.7	3.6	6.6	3.5	6.6	3.4	6.5	3.3	6.4	3.3	6.3	3.2	6.3	3.2	6.3	3.1	6.4	3.2	6.9	3.5	7.7	4.0	8.1	4.3	8.3	4.5	8.3	4.6	8.3	4.7	8.2	4.7	8.3	4.8	8.2	4.8	8.1	4.7	7.8	4.5	7.6	4.3
SE	7.2	4.1	7.0	3.9	6.9	3.7	6.7	3.6	6.6	3.5	6.6	3.4	6.4	3.3	6.4	3.2	6.3	3.2	6.3	3.2	6.3	3.1	6.3	3.2	6.8	3.5	7.5	3.9	8.0	4.3	8.3	4.5	8.5	4.7	8.5	4.8	8.4	4.8	8.3	4.8	8.2	4.8	8.1	4.7	7.8	4.5	7.6	4.3
S	6.9	3.9	6.6	3.7	6.5	3.5	6.4	3.4	6.2	3.3	6.2	3.2	6.1	3.1	6.0	3.1	5.9	3.0	5.9	3.0	5.9	2.9	5.9	3.0	6.3	3.2	6.7	3.5	7.2	3.9	7.6	4.2	7.9	4.4	8.2	4.6	8.3	4.7	8.2	4.7	8.0	4.7	7.8	4.5	7.5	4.3	7.2	4.1
SW	6.9	3.9	6.6	3.7	6.5	3.5	6.3	3.4	6.2	3.3	6.1	3.2	6.0	3.1	6.0	3.0	5.9	3.0	5.9	2.9	5.8	2.9	5.9	2.9	6.2	3.2	6.6	3.5	7.0	3.8	7.3	4.0	7.5	4.2	7.9	4.5	8.2	4.7	8.3	4.8	8.2	4.8	8.0	4.6	7.6	4.4	7.3	4.2
W	6.7	3.8	6.4	3.6	6.3	3.4	6.1	3.3	6.0	3.2	5.9	3.1	5.8	3.0	5.8	2.9	5.7	2.9	5.7	2.8	5.6	2.8	5.7	2.8	6.0	3.1	6.4	3.4	6.8	3.7	7.1	3.9	7.3	4.1	7.5	4.3	7.7	4.5	8.0	4.6	8.0	4.7	7.9	4.6	7.5	4.3	7.2	4.1
NW	6.0	3.5	5.8	3.2	5.6	3.1	5.5	3.0	5.4	2.9	5.3	2.8	5.2	2.7	5.1	2.6	5.1	2.6	5.0	2.5	5.0	2.5	5.1	2.5	5.4	2.8	5.8	3.1	6.2	3.4	6.4	3.6	6.6	3.8	6.9	4.0	7.0	4.1	7.0	4.2	7.1	4.2	7.1	4.2	6.8	4.0	6.5	3.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																												
N	5.6	3.3	5.2	3.0	5.0	2.8	4.8	2.6	4.6	2.4	4.5	2.3	4.4	2.2	4.3	2.1	4.2	2.0	4.1	1.9	4.1	1.9	4.2	1.9	4.7	2.3	5.3	2.8	5.8	3.2	6.2	3.5	6.5	3.8	6.8	4.1	7.0	4.2	7.1	4.3	7.0	4.3	6.8	4.2	6.4	3.9	6.1	3.7
NE	6.3	3.7	6.0	3.4	5.8	3.2	5.6	3.0	5.4	2.8	5.3	2.7	5.1	2.6	5.0	2.5	5.0	2.4	4.9	2.3	4.9	2.3	5.0	2.3	5.7	2.8	6.7	3.5	7.2	3.9	7.3	4.1	7.3	4.2	7.6	4.5	7.8	4.6	7.9	4.7	7.8	4.7	7.6	4.6	7.2	4.3	6.8	4.0
E	7.2	4.1	6.9	3.8	6.7	3.6	6.5	3.4	6.3	3.3	6.2	3.2	6.0	3.0	5.9	2.9	5.9	2.8	5.8	2.8	5.8	2.7	5.9	2.8	6.7	3.3	7.9	4.1	8.5	4.5	8.8	4.8	8.8	4.9	8.7	5.0	8.7	5.1	8.8	5.2	8.7	5.2	8.5	5.0	8.1	4.8	7.7	4.5
SE	7.2	4.1	6.9	3.8	6.7	3.6	6.5	3.4	6.3	3.3	6.2	3.2	6.0	3.0	5.9	2.9	5.9	2.8	5.8	2.8	5.7	2.7	5.9	2.8	6.5	3.2	7.6	3.9	8.3	4.5	8.8	4.8	9.0	5.0	9.1	5.2	9.0	5.2	8.8	5.2	8.7	5.2	8.5	5.0	8.1	4.8	7.7	4.5
S	6.9	4.0	6.5	3.6	6.3	3.5	6.1	3.2	5.9	3.1	5.8	3.0	5.7	2.8	5.6	2.7	5.5	2.6	5.4	2.6	5.4	2.5	5.5	2.6	6.0	2.9	6.6	3.4	7.3	3.9	7.9	4.4	8.4	4.7	8.8	5.0	8.9	5.2	8.8	5.2	8.6	5.1	8.2	4.9	7.7	4.6	7.3	4.3
SW	6.9	4.0	6.5	3.6	6.3	3.4	6.1	3.2	5.9	3.1	5.8	3.0	5.6	2.8	5.5	2.7	5.5	2.6	5.4	2.6	5.3	2.5	5.4	2.6	5.9	2.9	6.5	3.4	7.1	3.8	7.5	4.1	7.8	4.4	8.4	4.9	8.9	5.2	9.0	5.3	8.9	5.3	8.6	5.1	8.0	4.7	7.5	4.4
W	6.7	3.9	6.3	3.5	6.1	3.3	5.9	3.1	5.7	3.0	5.6	2.9	5.4	2.7	5.3	2.6	5.3	2.5	5.2	2.5	5.2	2.4	5.2	2.5	5.7	2.8	6.3	3.3	6.9	3.7	7.3	4.0	7.6	4.3	7.9	4.6	8.3	4.9	8.6	5.1	8.7	5.2	8.5	5.1	7.9	4.7	7.4	4.3
NW	6.1	3.6	5.7	3.2	5.5	3.0	5.3	2.8	5.1	2.7	5.0	2.6	4.8	2.4	4.7	2.3	4.6	2.2	4.6	2.2	4.5	2.1	4.6	2.2	5.1	2.5	5.7	3.0	6.3	3.4	6.7	3.7	7.0	4.0	7.3	4.3	7.5	4.5	7.6	4.6	7.7	4.7	7.6	4.6	7.2	4.3	6.8	4.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																												
R	8.3	2.6	8.2	2.5	8.1	2.4	8.0	2.3	7.9	2.2	7.9	2.2	7.8	2.1	7.7	2.1	7.7	2.0	7.7	2.0	7.7	2.0	7.7	2.0	8.1	2.2	8.6	2.6	9.0	2.9	9.4	3.1	9.6	3.3	9.8	3.4	9.9	3.5	9.8	3.5	9.6	3.4	9.3	3.2	9.0	3.0	8.7	2.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KASTAMONU (41.22)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	4.3	2.4	3.8	1.9	3.4	1.5	3.1	1.3	2.7	0.8	2.4	0.6	2.3	0.4	2.1	0.2	2.0	0.1	2.3	0.3	3.6	1.2	5.0	2.4	6.3	3.4	7.3	4.2	8.1	4.9	9.0	5.6	9.4	6.1	9.6	6.4	9.4	6.3	8.9	5.9	8.0	5.3	7.1	4.7	5.8	3.8	4.8	2.9
NE	5.0	2.8	4.4	2.3	4.0	1.8	3.8	1.6	3.4	1.2	3.1	0.9	2.9	0.7	2.8	0.6	2.6	0.5	3.1	0.7	4.9	1.8	7.4	3.5	8.5	4.5	8.9	5.0	8.9	5.3	9.6	6.0	10.1	6.4	10.3	6.7	10.1	6.6	9.5	6.3	8.6	5.6	7.6	4.9	6.4	4.1	5.5	3.3
E	5.7	3.2	5.2	2.6	4.8	2.2	4.6	2.0	4.1	1.5	3.9	1.3	3.7	1.1	3.5	1.0	3.4	0.8	3.8	1.0	5.8	2.3	8.8	4.3	10.4	5.4	11.1	6.1	11.2	6.4	10.9	6.6	10.9	6.8	11.1	7.1	10.9	7.0	10.3	6.6	9.4	6.0	8.4	5.3	7.1	4.4	6.2	3.7
SE	5.7	3.1	5.2	2.6	4.8	2.2	4.5	2.0	4.1	1.5	3.8	1.3	3.7	1.1	3.5	0.9	3.4	0.8	3.7	1.0	5.4	2.1	8.1	3.9	9.9	5.2	11.2	6.1	11.7	6.7	11.9	7.1	11.6	7.2	11.0	7.0	10.8	7.0	10.2	6.6	9.3	6.0	8.3	5.3	7.1	4.4	6.2	3.6
S	5.4	3.0	4.9	2.5	4.5	2.1	4.2	1.8	3.8	1.4	3.5	1.1	3.4	1.0	3.2	0.8	3.1	0.7	3.3	0.8	4.6	1.7	6.1	2.9	7.9	4.2	9.5	5.3	10.7	6.2	11.7	7.0	12.1	7.5	11.8	7.5	11.2	7.2	10.3	6.6	9.1	5.9	8.0	5.1	6.8	4.3	5.9	3.5
SW	5.4	3.0	4.9	2.5	4.4	2.1	4.2	1.8	3.8	1.4	3.5	1.1	3.3	0.9	3.2	0.8	3.1	0.7	3.3	0.8	4.5	1.7	6.1	2.9	7.4	4.0	8.4	4.8	9.2	5.4	10.8	6.6	12.0	7.4	12.3	7.7	12.0	7.6	11.4	7.2	9.8	6.2	8.5	5.4	6.9	4.3	5.9	3.5
W	5.2	2.9	4.7	2.4	4.3	2.0	4.1	1.7	3.6	1.3	3.4	1.0	3.2	0.9	3.0	0.7	2.9	0.6	3.1	0.7	4.4	1.6	5.9	2.8	7.2	3.9	8.2	4.7	9.0	5.3	9.9	6.1	10.9	6.8	11.7	7.4	11.8	7.5	11.5	7.2	9.9	6.3	8.6	5.4	6.8	4.3	5.7	3.4
NW	4.7	2.6	4.2	2.1	3.8	1.7	3.5	1.5	3.1	1.0	2.8	0.8	2.7	0.6	2.5	0.4	2.4	0.3	2.6	0.4	3.9	1.3	5.4	2.6	6.7	3.6	7.7	4.4	8.5	5.1	9.3	5.8	9.8	6.3	10.1	6.6	10.4	6.8	10.2	6.6	9.1	5.9	8.0	5.1	6.3	4.0	5.2	3.1
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.6	3.2	5.5	3.1	5.4	3.0	5.3	3.0	5.3	2.9	5.2	2.9	5.2	2.9	5.2	2.8	5.2	2.8	5.1	2.8	5.1	2.8	5.1	2.8	5.1	2.8	5.3	2.9	5.4	3.0	5.5	3.1	5.6	3.1	5.7	3.2	5.8	3.3	5.8	3.3	5.8	3.3	5.8	3.3	5.8	3.3	5.7	3.3
NE	6.4	3.6	6.3	3.5	6.2	3.4	6.2	3.4	6.1	3.3	6.1	3.3	6.1	3.3	6.0	3.2	6.0	3.2	6.0	3.2	6.0	3.2	6.0	3.2	6.0	3.2	6.2	3.3	6.4	3.5	6.5	3.6	6.6	3.6	6.5	3.6	6.6	3.7	6.7	3.7	6.7	3.8	6.7	3.8	6.6	3.7	6.5	3.7
E	7.4	4.1	7.3	4.0	7.2	3.9	7.1	3.9	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7	7.0	3.7	7.0	3.7	6.9	3.7	6.9	3.7	7.0	3.7	7.2	3.8	7.4	4.0	7.6	4.1	7.7	4.2	7.7	4.2	7.6	4.2	7.6	4.2	7.7	4.3	7.6	4.3	7.6	4.2	7.5	4.2
SE	7.4	4.1	7.3	4.0	7.2	3.9	7.1	3.9	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7	7.0	3.7	6.9	3.7	6.9	3.7	6.9	3.7	7.0	3.7	7.1	3.8	7.4	4.0	7.5	4.1	7.7	4.2	7.7	4.2	7.7	4.3	7.7	4.3	7.7	4.3	7.6	4.2	7.6	4.2	7.5	4.2
S	7.0	3.9	6.9	3.8	6.8	3.7	6.7	3.7	6.7	3.6	6.6	3.6	6.6	3.6	6.6	3.5	6.6	3.5	6.5	3.5	6.5	3.5	6.5	3.5	6.5	3.5	6.7	3.5	6.8	3.7	7.0	3.8	7.1	3.9	7.2	4.0	7.3	4.1	7.4	4.1	7.4	4.1	7.3	4.1	7.2	4.0	7.1	4.0
SW	7.0	3.9	6.8	3.8	6.7	3.7	6.7	3.7	6.7	3.6	6.6	3.6	6.6	3.5	6.5	3.5	6.5	3.5	6.5	3.5	6.5	3.4	6.5	3.4	6.5	3.4	6.6	3.5	6.8	3.6	6.9	3.8	7.0	3.8	7.1	3.9	7.2	4.0	7.3	4.1	7.4	4.1	7.3	4.1	7.3	4.1	7.1	4.0
W	6.8	3.8	6.6	3.7	6.5	3.6	6.5	3.6	6.4	3.5	6.4	3.5	6.4	3.4	6.3	3.4	6.3	3.4	6.3	3.4	6.3	3.3	6.3	3.3	6.3	3.3	6.4	3.4	6.6	3.5	6.7	3.6	6.8	3.7	6.9	3.8	6.9	3.9	7.0	3.9	7.1	4.0	7.1	4.0	7.1	4.0	6.9	3.9
NW	6.1	3.5	6.0	3.4	5.9	3.3	5.8	3.2	5.8	3.2	5.7	3.1	5.7	3.1	5.7	3.1	5.7	3.0	5.6	3.0	5.6	3.0	5.6	3.0	5.6	3.0	5.8	3.1	5.9	3.2	6.0	3.3	6.1	3.4	6.2	3.5	6.3	3.5	6.3	3.6	6.3	3.6	6.4	3.6	6.4	3.6	6.3	3.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	5.6	3.3	5.2	3.0	5.0	2.8	4.8	2.6	4.7	2.5	4.6	2.4	4.4	2.2	4.3	2.1	4.3	2.1	4.2	2.0	4.2	2.0	4.3	2.0	4.8	2.4	5.3	2.8	5.8	3.2	6.1	3.5	6.4	3.7	6.7	4.0	6.9	4.2	7.0	4.3	6.9	4.2	6.7	4.1	6.4	3.9	6.0	3.6
NE	6.3	3.7	6.0	3.4	5.8	3.2	5.6	3.0	5.5	2.9	5.4	2.8	5.2	2.6	5.1	2.5	5.1	2.5	5.0	2.4	5.0	2.3	5.1	2.4	5.8	2.9	6.7	3.5	7.1	3.8	7.3	4.0	7.2	4.1	7.5	4.4	7.7	4.6	7.8	4.7	7.7	4.6	7.5	4.5	7.2	4.3	6.8	4.0
E	7.2	4.1	6.9	3.8	6.7	3.7	6.5	3.5	6.4	3.3	6.3	3.2	6.1	3.1	6.0	3.0	6.0	2.9	5.9	2.8	5.9	2.8	6.0	2.9	6.7	3.3	7.9	4.1	8.4	4.5	8.7	4.8	8.7	4.9	8.6	4.9	8.6	5.0	8.7	5.1	8.6	5.1	8.4	4.9	8.1	4.7	7.7	4.5
SE	7.2	4.1	6.9	3.8	6.7	3.7	6.5	3.5	6.4	3.3	6.3	3.2	6.1	3.1	6.0	3.0	6.0	2.9	5.9	2.8	5.8	2.8	6.0	2.9	6.6	3.3	7.6	3.9	8.3	4.4	8.7	4.8	8.9	5.0	9.0	5.1	8.9	5.1	8.7	5.1	8.6	5.1	8.4	4.9	8.1	4.7	7.7	4.4
S	6.9	3.9	6.5	3.7	6.3	3.5	6.1	3.3	6.0	3.1	5.9	3.0	5.7	2.9	5.6	2.8	5.6	2.7	5.5	2.7	5.5	2.6	5.6	2.7	6.0	3.0	6.6	3.4	7.3	3.9	7.8	4.3	8.3	4.6	8.7	5.0	8.8	5.1	8.7	5.1	8.5	5.0	8.1	4.8	7.7	4.5	7.3	4.3
SW	6.9	3.9	6.5	3.6	6.3	3.5	6.1	3.3	6.0	3.1	5.9	3.0	5.7	2.9	5.6	2.8	5.5	2.7	5.5	2.6	5.4	2.6	5.5	2.6	6.0	3.0	6.6	3.4	7.1	3.8	7.4	4.1	7.7	4.4	8.3	4.8	8.7	5.1	8.9	5.2	8.8	5.2	8.5	5.0	7.9	4.7	7.4	4.3
W	6.7	3.9	6.3	3.5	6.1	3.4	5.9	3.2	5.8	3.0	5.7	2.9	5.5	2.8	5.4	2.7	5.4	2.6	5.3	2.5	5.2	2.5	5.3	2.5	5.8	2.9	6.4	3.3	6.9	3.7	7.2	4.0	7.5	4.3	7.8	4.5	8.2	4.8	8.5	5.0	8.6	5.1	8.4	5.0	7.8	4.6	7.4	4.3
NW	6.1	3.6	5.7	3.2	5.5	3.0	5.3	2.9	5.1	2.7	5.1	2.6	4.9	2.5	4.8	2.4	4.7	2.3	4.7	2.2	4.6	2.2	4.7	2.2	5.2	2.6	5.8	3.0	6.2	3.4	6.6	3.7	6.9	3.9	7.2	4.2	7.4	4.4	7.5	4.5	7.6	4.6	7.5	4.5	7.1	4.2	6.7	4.0
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.6	3.2	5.5	3.1	5.4	3.0	5.4	3.0	5.3	2.9	5.3	2.9	5.3	2.9	5.2	2.9	5.2	2.8	5.2	2.8	5.2	2.8	5.2	2.8	5.2	2.8	5.3	2.9	5.4	3.0	5.5	3.1	5.6	3.1	5.7	3.2	5.7	3.2	5.8	3.3	5.8	3.3	5.8	3.3	5.7	3.3	5.6	3.2
NE	6.4	3.6	6.3	3.5	6.2	3.4	6.2	3.4	6.2	3.4	6.1	3.3	6.1	3.3	6.1	3.3	6.1	3.3	6.0	3.2	6.0	3.2	6.0	3.2	6.0	3.2	6.2	3.3	6.4	3.5	6.5	3.5	6.5	3.6	6.5	3.6	6.6	3.7	6.6	3.7	6.6	3.7	6.6	3.7	6.6	3.7	6.5	3.6
E	7.4	4.1	7.3	4.0	7.2	3.9	7.2	3.9	7.1	3.9	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7	7.0	3.7	7.0	3.7	7.0	3.7	7.0	3.7	7.2	3.8	7.4	4.0	7.5	4.1	7.6	4.1	7.6	4.1	7.6	4.2	7.6	4.2	7.6	4.2	7.6	4.2	7.5	4.2	7.5	4.1
SE	7.4	4.1	7.3	4.0	7.2	3.9	7.2	3.9	7.1	3.9	7.1	3.8	7.1	3.8	7.0	3.8	7.0	3.7	7.0	3.7	7.0	3.7	7.0	3.7	7.0	3.7	7.1	3.8	7.4	4.0	7.5	4.1	7.6	4.1	7.6	4.2	7.7	4.2	7.6	4.2	7.6	4.2	7.6	4.2	7.5	4.2	7.5	4.1
S	7.0	3.9	6.9	3.8	6.8	3.7	6.8	3.7	6.7	3.6	6.7	3.6	6.7	3.6	6.6	3.6	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.7	3.6	6.8	3.7	7.0	3.8	7.1	3.9	7.2	3.9	7.3	4.0	7.3	4.0	7.3	4.0	7.2	4.0	7.1	4.0	7.0	3.9
SW	7.0	3.9	6.8	3.8	6.8	3.7	6.7	3.7	6.7	3.6	6.7	3.6	6.6	3.6	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.5	6.5	3.5	6.6	3.5	6.7	3.6	6.8	3.7	6.9	3.7	7.0	3.8	7.0	3.9	7.2	4.0	7.2	4.0	7.3	4.0	7.2	4.0	7.2	4.0	7.1	3.9
W	6.8	3.8	6.6	3.7	6.6	3.6	6.5	3.6	6.5	3.5	6.4	3.5	6.4	3.5	6.4	3.4	6.4	3.4	6.4	3.4	6.3	3.4	6.3	3.4	6.4	3.4	6.5	3.5	6.6	3.6	6.7	3.6	6.8	3.7	6.8	3.8	6.9	3.8	7.0	3.9	7.0	3.9	7.0	3.9	7.0	3.9	6.9	3.8
NW	6.1	3.4	6.0	3.3	5.9	3.3	5.9	3.2	5.8	3.2	5.8	3.2	5.8	3.1	5.7	3.1	5.7	3.1	5.7	3.1	5.7	3.1	5.7	3.1	5.7	3.1	5.8	3.1	5.9	3.2	6.0	3.3	6.1	3.4	6.2	3.4	6.2	3.5	6.3	3.5	6.3	3.5	6.3	3.6	6.3	3.5	6.2	3.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	0.9	-2.2	0.4	-2.7	-0.5	-3.6	-1.1	-4.2	-1.5	-4.5	-1.8	-4.9	-2.0	-5.1	-1.2	-4.7	2.9	-2.1	8.8	1.8	13.8	5.2	18.2	8.0	21.4	10.1	23.5	11.9	24.3	12.8	22.8	12.3	20.6	11.3	17.8	9.8	13.6	7.3	10.1	5.1	6.1	2.6	3.9	0.8	2.8	-0.3	1.7	-1.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KAYSERİ (38.43)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.7	4.6	6.4	4.4	6.1	4.1	5.9	3.9	5.7	3.6	5.3	3.2	5.1	3.1	5.0	3.0	4.8	2.8	4.7	2.7	5.1	2.9	6.1	3.7	6.8	4.3	7.6	4.9	8.1	5.4	8.6	5.8	9.0	6.1	9.1	6.3	9.2	6.4	9.1	6.3	8.9	6.3	8.7	6.1	8.5	5.9	7.7	5.3
NE	7.7	5.2	7.4	4.9	7.1	4.6	6.9	4.4	6.7	4.2	6.3	3.8	6.2	3.6	6.0	3.5	5.9	3.3	5.8	3.2	6.2	3.5	7.7	4.5	9.2	5.5	10.1	6.2	10.1	6.4	9.8	6.4	10.0	6.6	10.2	6.8	10.2	6.9	10.1	6.9	10.0	6.8	9.6	6.6	9.1	6.3	8.4	5.7
E	8.9	5.7	8.6	5.5	8.3	5.2	8.1	5.0	7.9	4.7	7.5	4.4	7.3	4.2	7.2	4.1	7.0	3.9	6.9	3.8	7.4	4.1	9.1	5.2	10.9	6.3	12.3	7.3	12.5	7.6	12.2	7.6	11.7	7.5	11.4	7.4	11.4	7.5	11.3	7.4	11.1	7.4	10.8	7.2	10.3	6.8	9.6	6.3
SE	8.9	5.7	8.6	5.5	8.3	5.2	8.1	5.0	7.9	4.7	7.5	4.3	7.3	4.2	7.2	4.1	7.0	3.9	6.9	3.8	7.3	4.0	8.7	5.0	10.3	6.0	11.8	7.0	12.4	7.5	12.6	7.8	12.5	7.9	12.0	7.7	11.4	7.5	11.3	7.4	11.1	7.4	10.8	7.2	10.3	6.8	9.6	6.3
S	8.3	5.4	8.0	5.2	7.7	4.9	7.5	4.6	7.3	4.4	6.9	4.0	6.7	3.9	6.6	3.7	6.4	3.6	6.3	3.5	6.6	3.7	7.5	4.4	8.4	5.0	9.5	5.9	10.5	6.6	11.3	7.1	11.9	7.6	12.1	7.8	12.0	7.8	11.4	7.5	10.8	7.2	10.2	6.9	9.7	6.5	8.9	6.0
SW	9.2	5.9	8.9	5.6	8.6	5.3	8.4	5.1	8.2	4.9	7.8	4.5	7.6	4.3	7.5	4.2	7.3	4.0	7.2	3.9	7.5	4.1	8.4	4.8	9.2	5.5	10.1	6.2	10.6	6.6	11.1	7.0	12.1	7.7	13.0	8.2	13.6	8.6	13.5	8.6	13.1	8.3	12.8	8.2	11.7	7.6	10.2	6.6
W	9.4	6.0	9.1	5.7	8.8	5.4	8.6	5.2	8.4	5.0	8.0	4.6	7.8	4.4	7.7	4.3	7.5	4.1	7.4	4.0	7.7	4.2	8.6	4.9	9.4	5.6	10.2	6.2	10.8	6.7	11.3	7.1	11.6	7.5	12.3	7.9	13.4	8.5	13.8	8.7	13.7	8.6	13.7	8.6	12.7	8.1	10.9	7.0
NW	8.1	5.4	7.8	5.1	7.6	4.8	7.3	4.6	7.1	4.4	6.7	4.0	6.6	3.8	6.4	3.7	6.3	3.5	6.2	3.4	6.5	3.6	7.4	4.3	8.2	4.9	9.0	5.6	9.6	6.1	10.1	6.5	10.4	6.8	10.6	7.0	10.8	7.2	11.4	7.5	11.6	7.6	11.8	7.7	11.2	7.3	9.6	6.3
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	7.2	4.9	6.9	4.6	6.8	4.5	6.7	4.4	6.7	4.4	6.6	4.3	6.5	4.2	6.4	4.1	6.4	4.1	6.3	4.0	6.3	4.0	6.4	4.1	6.7	4.3	6.9	4.5	7.2	4.7	7.4	4.9	7.5	5.0	7.6	5.1	7.7	5.2	7.7	5.2	7.7	5.2	7.6	5.1	7.5	5.1	7.5	5.0
NE	8.3	5.4	8.1	5.2	8.0	5.1	7.9	5.0	7.8	4.9	7.7	4.9	7.6	4.8	7.6	4.7	7.5	4.7	7.5	4.6	7.4	4.6	7.6	4.7	8.1	5.0	8.5	5.3	8.8	5.5	8.8	5.6	8.7	5.6	8.8	5.7	8.8	5.7	8.8	5.8	8.8	5.7	8.8	5.7	8.7	5.7	8.5	5.6
E	9.6	6.0	9.4	5.9	9.3	5.8	9.2	5.7	9.1	5.6	9.0	5.5	8.9	5.4	8.9	5.4	8.8	5.3	8.8	5.3	8.7	5.2	8.9	5.3	9.4	5.7	10.0	6.0	10.4	6.3	10.5	6.4	10.4	6.4	10.3	6.4	10.1	6.4	10.2	6.4	10.1	6.4	10.1	6.4	10.0	6.3	9.8	6.2
SE	9.6	6.0	9.4	5.9	9.3	5.8	9.2	5.7	9.1	5.6	9.0	5.5	8.9	5.4	8.9	5.4	8.8	5.3	8.8	5.3	8.7	5.2	8.8	5.3	9.3	5.6	9.8	5.9	10.3	6.3	10.5	6.4	10.5	6.5	10.5	6.5	10.3	6.5	10.2	6.4	10.1	6.4	10.1	6.4	10.0	6.3	9.8	6.2
S	8.9	5.7	8.7	5.5	8.6	5.4	8.5	5.3	8.4	5.3	8.4	5.2	8.2	5.1	8.2	5.0	8.1	5.0	8.1	4.9	8.0	4.9	8.1	5.0	8.4	5.2	8.7	5.4	9.1	5.7	9.4	5.9	9.7	6.1	9.8	6.2	9.9	6.3	9.9	6.3	9.7	6.2	9.5	6.1	9.3	6.0	9.1	5.9
SW	10.0	6.2	9.7	6.0	9.6	5.9	9.5	5.8	9.4	5.8	9.3	5.7	9.2	5.6	9.2	5.5	9.1	5.5	9.1	5.4	9.0	5.4	9.1	5.4	9.4	5.7	9.7	5.9	9.9	6.1	10.1	6.2	10.3	6.4	10.6	6.6	10.9	6.8	11.1	6.9	11.1	6.9	10.9	6.8	10.8	6.7	10.5	6.5
W	10.4	6.4	9.9	6.1	9.8	6.0	9.7	5.9	9.6	5.9	9.5	5.8	9.4	5.7	9.4	5.6	9.3	5.6	9.3	5.5	9.2	5.5	9.3	5.5	9.6	5.8	9.9	6.0	10.2	6.2	10.3	6.3	10.5	6.5	10.6	6.6	10.8	6.7	11.2	6.9	11.3	7.0	11.3	7.0	11.3	7.0	11.0	6.8
NW	9.0	5.7	8.5	5.4	8.4	5.3	8.3	5.2	8.2	5.2	8.2	5.1	8.1	5.0	8.0	4.9	8.0	4.9	7.9	4.8	7.9	4.8	8.0	4.9	8.3	5.1	8.5	5.3	8.8	5.5	9.0	5.7	9.1	5.8	9.2	5.9	9.3	6.0	9.4	6.0	9.6	6.1	9.6	6.1	9.7	6.2	9.5	6.0
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.3	4.9	6.9	4.6	6.7	4.5	6.6	4.4	6.5	4.3	6.4	4.2	6.3	4.0	6.2	4.0	6.1	3.9	6.1	3.8	6.0	3.8	6.2	3.9	6.6	4.2	6.9	4.5	7.3	4.8	7.5	4.9	7.7	5.1	7.9	5.3	7.9	5.4	7.9	5.4	7.9	5.4	7.8	5.3	7.7	5.3	7.6	5.2
NE	8.3	5.4	8.0	5.2	7.9	5.1	7.7	4.9	7.7	4.9	7.6	4.8	7.4	4.6	7.3	4.5	7.3	4.5	7.2	4.4	7.1	4.3	7.4	4.5	8.0	4.9	8.7	5.3	9.0	5.6	9.0	5.7	8.9	5.7	9.0	5.8	9.1	5.9	9.1	5.9	9.1	5.9	9.0	5.9	8.8	5.8	8.6	5.7
E	9.6	6.1	9.3	5.8	9.2	5.7	9.0	5.6	8.9	5.5	8.8	5.4	8.7	5.2	8.6	5.2	8.5	5.1	8.5	5.0	8.4	5.0	8.6	5.1	9.4	5.6	10.2	6.1	10.8	6.5	10.9	6.6	10.7	6.6	10.5	6.6	10.4	6.6	10.4	6.6	10.3	6.6	10.3	6.5	10.1	6.5	9.9	6.3
SE	9.6	6.1	9.3	5.8	9.2	5.7	9.0	5.6	8.9	5.5	8.8	5.4	8.7	5.2	8.6	5.2	8.5	5.1	8.5	5.0	8.4	5.0	8.6	5.1	9.2	5.5	9.9	5.9	10.5	6.4	10.8	6.6	10.9	6.7	10.8	6.8	10.6	6.7	10.4	6.6	10.3	6.6	10.3	6.5	10.1	6.5	9.9	6.3
S	8.9	5.7	8.6	5.5	8.5	5.4	8.4	5.3	8.3	5.2	8.2	5.1	8.0	4.9	7.9	4.8	7.9	4.8	7.8	4.7	7.8	4.6	7.9	4.7	8.3	5.0	8.6	5.3	9.1	5.7	9.6	6.0	9.9	6.2	10.2	6.4	10.3	6.5	10.2	6.5	10.0	6.4	9.7	6.3	9.4	6.1	9.2	6.0
SW	10.0	6.3	9.6	6.0	9.5	5.9	9.3	5.7	9.2	5.6	9.1	5.6	9.0	5.4	8.9	5.3	8.8	5.3	8.8	5.2	8.7	5.1	8.9	5.2	9.3	5.5	9.6	5.8	10.0	6.1	10.2	6.3	10.4	6.5	10.8	6.8	11.2	7.0	11.5	7.2	11.5	7.2	11.3	7.1	11.1	7.0	10.7	6.7
W	10.4	6.5	9.8	6.1	9.7	6.0	9.5	5.8	9.4	5.7	9.3	5.7	9.2	5.5	9.1	5.4	9.0	5.4	9.0	5.3	8.9	5.2	9.1	5.3	9.4	5.6	9.8	5.9	10.2	6.2	10.4	6.4	10.6	6.6	10.8	6.7	11.1	6.9	11.5	7.2	11.7	7.3	11.7	7.2	11.7	7.2	11.3	7.0
NW	9.1	5.8	8.4	5.4	8.3	5.3	8.2	5.2	8.1	5.1	8.0	5.0	7.8	4.8	7.8	4.7	7.7	4.7	7.6	4.6	7.6	4.6	7.7	4.7	8.1	5.0	8.5	5.2	8.8	5.5	9.1	5.7	9.3	5.9	9.4	6.1	9.5	6.1	9.6	6.2	9.9	6.4	10.0	6.4	10.1	6.4	9.8	6.3
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	7.3	5.0	6.8	4.6	6.7	4.5	6.5	4.3	6.4	4.2	6.3	4.1	6.1	3.9	6.0	3.8	6.0	3.8	5.9	3.7	5.8	3.6	6.0	3.7	6.5	4.1	6.9	4.4	7.3	4.8	7.6	5.0	7.8	5.2	8.0	5.4	8.1	5.5	8.1	5.5	8.1	5.5	8.0	5.5	7.9	5.4	7.8	5.3
NE	8.3	5.5	8.0	5.2	7.8	5.0	7.7	4.9	7.5	4.8	7.4	4.7	7.2	4.5	7.1	4.4	7.1	4.3	7.0	4.2	6.9	4.2	7.2	4.3	8.0	4.8	8.7	5.3	9.2	5.7	9.2	5.8	9.1	5.8	9.1	6.0	9.2	6.1	9.2	6.1	9.2	6.1	9.1	6.0	8.9	5.9	8.7	5.8
E	9.6	6.1	9.2	5.8	9.1	5.7	8.9	5.5	8.8	5.4	8.7	5.3	8.5	5.1	8.4	5.0	8.3	4.9	8.2	4.8	8.2	4.8	8.5	5.0	9.3	5.5	10.3	6.1	11.0	6.6	11.1	6.8	11.0	6.8	10.7	6.7	10.5	6.7	10.5	6.7	10.5	6.7	10.4	6.7	10.2	6.6	9.9	6.4
SE	9.6	6.1	9.2	5.8	9.1	5.7	8.9	5.5	8.8	5.4	8.7	5.3	8.5	5.1	8.4	5.0	8.3	4.9	8.2	4.8	8.2	4.8	8.4	4.9	9.1	5.4	10.0	6.0	10.7	6.5	11.1	6.8	11.2	6.9	11.1	6.9	10.8	6.8	10.5	6.7	10.5	6.7	10.4	6.7	10.2	6.6	9.9	6.4
S	8.9	5.8	8.6	5.5	8.4	5.3	8.3	5.2	8.1	5.1	8.0	5.0	7.8	4.8	7.7	4.7	7.7	4.6	7.6	4.5	7.5	4.5	7.7	4.6	8.2	4.9	8.6	5.3	9.2	5.7	9.7	6.1	10.2	6.4	10.5	6.6	10.6	6.7	10.5	6.7	10.2	6.6	9.9	6.4	9.5	6.2	9.3	6.1
SW	10.1	6.4	9.5	6.0	9.4	5.8	9.2	5.7	9.1	5.6	9.0	5.5	8.8	5.2	8.7	5.2	8.6	5.1	8.5	5.0	8.5	4.9	8.7	5.1	9.1	5.4	9.6	5.8	10.0	6.1	10.3	6.4	10.5	6.6	11.0	6.9	11.5	7.2	11.8	7.4	11.8	7.4	11.6	7.2	11.4	7.2	10.8	6.8
W	10.5	6.6	9.7	6.1	9.6	5.9	9.4	5.8	9.3	5.7	9.2	5.5	9.0	5.3	8.9	5.3	8.8	5.2	8.7	5.1	8.7	5.0	8.8	5.2	9.3	5.5	9.8	5.9	10.2	6.2	10.5	6.4	10.7	6.7	10.9	6.8	11.3	7.1	11.8	7.4	12.0	7.5	12.0	7.4	12.0	7.5	11.5	7.2
NW	9.2	5.9	8.4	5.4	8.2	5.3	8.1	5.1	8.0	5.0	7.9	4.9	7.7	4.7	7.6	4.6	7.5	4.5	7.4	4.4	7.4	4.4	7.5	4.5	8.0	4.9	8.4	5.2	8.8	5.5	9.1	5.8	9.4	6.0	9.6	6.2	9.7	6.3	9.8	6.4	10.1	6.5	10.2	6.6	10.3	6.6	10.0	6.4
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.3	5.4	12.2	5.3	12.1	5.2	12.1	5.1	12.0	5.1	11.9	5.0	11.8	4.9	11.8	4.9	11.7	4.8	11.7	4.8	11.8	4.9	12.3	5.1	12.8	5.5	13.3	5.8	13.7	6.1	14.0	6.3	14.2	6.4	14.3	6.5	14.2	6.5	13.9	6.3	13.6	6.2	13.4	6.0	13.0	5.8	12.5	5.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KAYSERİ (38.43)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	6.0	4.2	5.5	3.7	5.2	3.4	4.8	3.0	4.2	2.4	3.9	2.1	3.7	1.9	3.4	1.6	3.3	1.4	3.9	1.8	5.5	3.1	6.7	4.0	7.9	5.1	8.8	5.9	9.6	6.5	10.2	7.1	10.5	7.4	10.5	7.5	10.5	7.4	10.2	7.3	9.7	7.1	9.4	6.8	8.1	5.8	6.5	4.6
NE	7.0	4.7	6.5	4.2	6.1	3.8	5.8	3.5	5.1	2.8	4.8	2.5	4.6	2.3	4.3	2.0	4.2	1.9	5.0	2.4	7.5	4.0	9.9	5.6	11.3	6.8	11.4	7.1	10.9	7.2	11.2	7.5	11.4	7.8	11.5	7.9	11.4	7.9	11.1	7.8	10.5	7.4	9.7	6.9	8.5	6.0	7.4	5.1
E	8.0	5.2	7.5	4.7	7.2	4.3	6.8	4.0	6.2	3.4	5.9	3.1	5.7	2.9	5.4	2.6	5.2	2.4	6.0	2.9	8.7	4.7	11.8	6.6	14.0	8.1	14.4	8.6	13.9	8.7	13.0	8.5	12.5	8.4	12.5	8.5	12.4	8.4	12.1	8.3	11.6	8.0	10.8	7.4	9.5	6.6	8.5	5.6
SE	8.0	5.2	7.5	4.7	7.2	4.3	6.8	4.0	6.2	3.3	5.9	3.1	5.7	2.9	5.4	2.6	5.2	2.4	5.9	2.8	8.1	4.3	10.8	6.1	13.2	7.7	14.3	8.6	14.5	9.0	14.4	9.1	13.5	8.9	12.5	8.5	12.4	8.4	12.1	8.3	11.6	8.0	10.7	7.4	9.5	6.5	8.5	5.6
S	7.5	4.9	7.0	4.4	6.6	4.1	6.3	3.7	5.6	3.1	5.3	2.8	5.1	2.6	4.8	2.3	4.7	2.1	5.2	2.5	6.7	3.6	8.0	4.7	9.9	6.1	11.6	7.2	12.9	8.2	13.9	8.9	14.2	9.2	14.0	9.2	13.1	8.8	12.1	8.2	11.0	7.7	10.2	7.2	9.0	6.3	7.9	5.4
SW	8.3	5.3	7.8	4.8	7.4	4.5	7.1	4.1	6.4	3.5	6.1	3.2	5.9	3.0	5.6	2.7	5.5	2.5	6.0	2.9	7.5	4.0	8.8	5.1	10.2	6.2	11.1	7.0	11.9	7.6	13.4	8.7	15.0	9.6	16.0	10.2	15.9	10.2	15.1	9.8	14.6	9.5	12.9	8.5	10.4	7.0	8.7	5.8
W	8.4	5.4	7.9	4.9	7.6	4.5	7.2	4.2	6.6	3.6	6.3	3.3	6.1	3.1	5.8	2.8	5.6	2.6	6.1	3.0	7.6	4.1	9.0	5.2	10.3	6.3	11.2	7.0	12.0	7.7	12.6	8.3	13.8	9.0	15.5	9.9	16.2	10.3	15.9	10.2	16.1	10.2	14.4	9.3	11.4	7.5	8.9	5.8
NW	7.3	4.8	6.8	4.3	6.5	4.0	6.1	3.7	5.5	3.0	5.2	2.7	5.0	2.5	4.7	2.2	4.5	2.1	5.0	2.4	6.5	3.6	7.9	4.6	9.2	5.7	10.1	6.5	10.9	7.2	11.5	7.7	11.8	8.0	12.2	8.3	13.2	8.8	13.5	9.0	13.9	9.1	12.8	8.5	10.2	6.9	7.8	5.3
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.2	4.8	7.1	4.7	7.0	4.6	6.9	4.6	6.9	4.5	6.8	4.5	6.8	4.5	6.7	4.4	6.7	4.4	6.7	4.4	6.7	4.3	6.7	4.3	6.7	4.4	6.9	4.5	7.0	4.6	7.1	4.7	7.2	4.7	7.3	4.8	7.3	4.9	7.3	4.9	7.3	4.9	7.3	4.9	7.3	4.9	7.3	4.9
NE	8.4	5.4	8.2	5.3	8.1	5.2	8.1	5.2	8.0	5.1	8.0	5.1	8.0	5.1	7.9	5.0	7.9	5.0	7.9	4.9	7.8	4.9	7.8	4.9	7.9	5.0	8.1	5.1	8.4	5.3	8.5	5.4	8.5	5.4	8.5	5.4	8.5	5.4	8.5	5.5	8.5	5.5	8.5	5.5	8.5	5.5	8.4	5.4
E	9.7	6.1	9.6	6.0	9.5	5.9	9.4	5.8	9.4	5.8	9.3	5.8	9.3	5.7	9.2	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.5	5.8	9.8	6.0	10.0	6.1	10.0	6.2	10.0	6.2	9.9	6.2	9.9	6.1	9.9	6.2	9.8	6.1	9.8	6.1	9.8	6.1
SE	9.7	6.1	9.6	6.0	9.5	5.9	9.4	5.8	9.4	5.8	9.3	5.8	9.3	5.7	9.2	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.4	5.8	9.7	5.9	9.9	6.1	10.0	6.2	10.1	6.2	10.0	6.2	9.9	6.2	9.9	6.2	9.8	6.1	9.8	6.1	9.8	6.1
S	9.0	5.7	8.9	5.6	8.8	5.5	8.7	5.5	8.7	5.4	8.6	5.4	8.6	5.4	8.6	5.3	8.5	5.3	8.5	5.3	8.5	5.2	8.5	5.2	8.5	5.3	8.7	5.4	8.8	5.5	9.0	5.6	9.1	5.7	9.2	5.8	9.3	5.9	9.4	5.9	9.4	5.9	9.3	5.9	9.2	5.8	9.1	5.8
SW	10.2	6.3	9.9	6.2	9.8	6.0	9.7	6.0	9.7	5.9	9.7	5.9	9.6	5.9	9.6	5.8	9.5	5.8	9.5	5.8	9.5	5.7	9.5	5.7	9.5	5.8	9.7	5.9	9.8	6.0	9.9	6.1	10.0	6.2	10.1	6.2	10.2	6.3	10.4	6.4	10.5	6.5	10.5	6.5	10.4	6.4	10.4	6.4
W	10.5	6.5	10.2	6.3	10.0	6.1	9.9	6.1	9.9	6.1	9.9	6.0	9.8	6.0	9.8	5.9	9.7	5.9	9.7	5.9	9.7	5.8	9.7	5.8	9.7	5.9	9.9	6.0	10.0	6.1	10.1	6.2	10.2	6.3	10.3	6.3	10.4	6.4	10.5	6.4	10.6	6.5	10.7	6.6	10.7	6.6	10.7	6.6
NW	9.1	5.7	8.8	5.6	8.6	5.4	8.5	5.4	8.5	5.4	8.5	5.3	8.4	5.3	8.4	5.2	8.3	5.2	8.3	5.2	8.3	5.1	8.3	5.1	8.3	5.2	8.5	5.3	8.6	5.4	8.7	5.5	8.8	5.6	8.9	5.6	8.9	5.7	9.0	5.7	9.0	5.7	9.1	5.8	9.1	5.8	9.2	5.8
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	7.3	5.0	6.9	4.6	6.7	4.5	6.6	4.4	6.5	4.2	6.4	4.1	6.2	4.0	6.1	3.9	6.0	3.8	5.9	3.7	5.9	3.7	6.1	3.8	6.6	4.2	6.9	4.4	7.3	4.8	7.5	5.0	7.8	5.2	8.0	5.4	8.0	5.4	8.1	5.5	8.0	5.5	7.9	5.4	7.8	5.3	7.7	5.3
NE	8.3	5.5	8.0	5.2	7.8	5.1	7.7	4.9	7.6	4.8	7.5	4.7	7.3	4.5	7.2	4.4	7.2	4.4	7.1	4.3	7.0	4.2	7.3	4.4	8.0	4.9	8.7	5.3	9.1	5.7	9.1	5.8	9.0	5.8	9.1	5.9	9.2	6.0	9.2	6.0	9.1	6.0	9.1	6.0	8.9	5.9	8.7	5.7
E	9.6	6.1	9.2	5.8	9.1	5.7	9.0	5.5	8.9	5.4	8.8	5.3	8.6	5.2	8.5	5.1	8.4	5.0	8.3	4.9	8.3	4.9	8.5	5.0	9.3	5.5	10.2	6.1	10.9	6.6	11.0	6.7	10.9	6.7	10.6	6.7	10.4	6.6	10.4	6.7	10.4	6.7	10.3	6.6	10.2	6.5	9.9	6.4
SE	9.6	6.1	9.2	5.8	9.1	5.7	9.0	5.5	8.9	5.4	8.8	5.3	8.6	5.1	8.5	5.1	8.4	5.0	8.3	4.9	8.3	4.9	8.5	5.0	9.1	5.4	9.9	6.0	10.6	6.4	11.0	6.7	11.0	6.8	11.0	6.9	10.7	6.8	10.4	6.7	10.4	6.7	10.3	6.6	10.2	6.5	9.9	6.4
S	8.9	5.8	8.6	5.5	8.4	5.4	8.3	5.2	8.2	5.1	8.1	5.0	7.9	4.8	7.8	4.7	7.8	4.7	7.7	4.6	7.6	4.5	7.8	4.6	8.2	5.0	8.6	5.3	9.2	5.7	9.7	6.0	10.1	6.3	10.3	6.5	10.5	6.6	10.4	6.6	10.1	6.5	9.8	6.3	9.5	6.2	9.3	6.0
SW	10.1	6.3	9.5	6.0	9.4	5.8	9.3	5.7	9.2	5.6	9.1	5.5	8.9	5.3	8.8	5.2	8.7	5.2	8.6	5.1	8.6	5.0	8.7	5.1	9.2	5.5	9.6	5.8	10.0	6.1	10.2	6.3	10.5	6.5	10.9	6.8	11.4	7.1	11.7	7.3	11.7	7.3	11.4	7.2	11.3	7.1	10.8	6.8
W	10.5	6.6	9.7	6.1	9.6	5.9	9.5	5.8	9.4	5.7	9.3	5.6	9.1	5.4	9.0	5.3	8.9	5.3	8.8	5.2	8.8	5.1	8.9	5.2	9.4	5.6	9.8	5.9	10.2	6.2	10.4	6.4	10.7	6.6	10.9	6.8	11.2	7.0	11.7	7.3	11.9	7.4	11.8	7.4	11.9	7.4	11.4	7.1
NW	9.1	5.9	8.4	5.4	8.3	5.3	8.1	5.1	8.0	5.0	7.9	4.9	7.7	4.7	7.7	4.7	7.6	4.6	7.5	4.5	7.5	4.5	7.6	4.6	8.0	4.9	8.4	5.2	8.8	5.5	9.1	5.8	9.3	6.0	9.5	6.1	9.6	6.2	9.7	6.3	10.0	6.5	10.1	6.5	10.2	6.5	9.9	6.4
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.2	4.8	7.1	4.7	7.0	4.6	6.9	4.6	6.9	4.6	6.9	4.5	6.8	4.5	6.8	4.4	6.8	4.4	6.8	4.4	6.7	4.4	6.7	4.4	6.8	4.4	6.9	4.5	7.0	4.6	7.1	4.7	7.2	4.7	7.2	4.8	7.3	4.8	7.3	4.8	7.3	4.8	7.3	4.8	7.3	4.8	7.2	4.8
NE	8.3	5.4	8.2	5.3	8.1	5.2	8.1	5.2	8.1	5.1	8.0	5.1	8.0	5.1	8.0	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.9	5.0	8.0	5.0	8.2	5.1	8.3	5.3	8.5	5.3	8.5	5.4	8.4	5.4	8.4	5.4	8.5	5.4	8.5	5.4	8.5	5.4	8.4	5.4	8.4	5.4
E	9.7	6.0	9.6	6.0	9.5	5.9	9.5	5.8	9.4	5.8	9.4	5.8	9.4	5.8	9.3	5.7	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.3	5.7	9.5	5.8	9.7	6.0	9.9	6.1	10.0	6.1	9.9	6.1	9.8	6.1	9.8	6.1	9.8	6.1	9.8	6.1	9.8	6.1	9.7	6.1
SE	9.7	6.0	9.6	6.0	9.5	5.9	9.4	5.8	9.4	5.8	9.4	5.8	9.4	5.8	9.3	5.7	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.3	5.7	9.5	5.8	9.7	5.9	9.9	6.0	9.9	6.1	10.0	6.1	9.9	6.2	9.9	6.1	9.8	6.1	9.8	6.1	9.8	6.1	9.7	6.1
S	9.0	5.7	8.9	5.6	8.8	5.5	8.8	5.5	8.7	5.5	8.7	5.4	8.7	5.4	8.6	5.4	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.3	8.6	5.3	8.7	5.4	8.8	5.5	8.9	5.6	9.1	5.7	9.2	5.8	9.3	5.8	9.3	5.8	9.3	5.8	9.2	5.8	9.1	5.8	9.0	5.7
SW	10.1	6.3	9.9	6.1	9.8	6.0	9.8	6.0	9.7	6.0	9.7	5.9	9.7	5.9	9.6	5.9	9.6	5.8	9.6	5.8	9.6	5.8	9.6	5.8	9.6	5.8	9.7	5.9	9.8	6.0	9.9	6.1	10.0	6.1	10.1	6.2	10.2	6.3	10.3	6.3	10.4	6.4	10.4	6.4	10.3	6.4	10.3	6.3
W	10.5	6.4	10.2	6.3	10.0	6.1	10.0	6.1	9.9	6.1	9.9	6.0	9.9	6.0	9.8	6.0	9.8	5.9	9.8	5.9	9.8	5.9	9.8	5.9	9.8	5.9	9.9	6.0	10.0	6.1	10.1	6.2	10.2	6.2	10.3	6.3	10.3	6.3	10.4	6.4	10.5	6.5	10.6	6.5	10.6	6.5	10.6	6.5
NW	9.0	5.7	8.8	5.6	8.6	5.4	8.6	5.4	8.5	5.4	8.5	5.3	8.5	5.3	8.4	5.3	8.4	5.2	8.4	5.2	8.4	5.2	8.4	5.2	8.4	5.2	8.5	5.3	8.6	5.4	8.7	5.5	8.8	5.5	8.9	5.6	8.9	5.6	8.9	5.7	9.0	5.7	9.0	5.7	9.1	5.7	9.1	5.7
	R2 - 12cm Concrete+2 cm plaster																																															
R	4.3	0.6	3.6	-0.1	2.3	-1.5	1.7	-2.1	1.3	-2.5	0.6	-3.1	0.3	-3.4	1.8	-2.5	6.6	0.8	12.6	4.5	19.0	8.7	23.7	11.7	27.0	13.9	29.5	15.7	30.4	16.5	29.8	16.3	26.5	14.7	22.7	12.8	19.6	11.2	15.0	8.6	10.1	5.6	7.1	3.3	6.1	2.3	5.1	1.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: KİLİS (36.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	12.2	10.0	11.9	9.7	11.7	9.5	11.6	9.4	11.4	9.2	11.4	9.2	11.4	9.2	11.3	9.1	11.2	9.0	11.2	9.0	11.7	9.2	12.3	9.7	12.7	10.0	13.3	10.5	13.8	10.9	14.3	11.3	14.6	11.5	14.9	11.8	14.9	11.9	14.8	11.8	14.4	11.6	14.0	11.3	13.7	11.0	13.1	10.5
NE	13.4	10.6	13.1	10.3	12.9	10.1	12.8	10.0	12.7	9.8	12.6	9.8	12.6	9.8	12.5	9.7	12.5	9.7	12.4	9.6	13.4	10.1	14.7	10.9	15.7	11.5	16.1	11.9	16.0	12.0	15.7	12.0	15.8	12.1	16.1	12.4	16.1	12.5	16.0	12.4	15.6	12.2	15.2	11.9	14.5	11.4	13.7	10.8
E	14.5	11.1	14.2	10.9	14.0	10.7	13.9	10.6	13.8	10.4	13.8	10.4	13.7	10.3	13.6	10.3	13.6	10.2	13.6	10.2	14.5	10.7	16.1	11.6	17.5	12.4	18.2	12.9	18.2	13.1	17.8	13.0	17.4	12.9	17.2	12.9	17.2	13.0	17.1	13.0	16.7	12.7	16.3	12.5	15.6	12.0	14.8	11.4
SE	14.6	11.2	14.3	10.9	14.1	10.7	14.0	10.6	13.8	10.4	13.8	10.4	13.8	10.4	13.7	10.3	13.6	10.2	13.6	10.2	14.1	10.5	15.4	11.2	16.8	12.1	17.7	12.7	18.2	13.1	18.2	13.2	18.0	13.2	17.7	13.2	17.3	13.0	17.1	13.0	16.8	12.8	16.4	12.5	15.7	12.0	14.9	11.4
S	13.2	10.5	12.9	10.2	12.7	10.0	12.6	9.9	12.5	9.7	12.4	9.7	12.4	9.7	12.3	9.6	12.3	9.6	12.2	9.5	12.4	9.6	13.0	10.0	13.7	10.5	14.7	11.2	15.6	11.8	16.2	12.2	16.7	12.6	16.9	12.8	16.9	12.8	16.4	12.6	15.7	12.2	15.0	11.8	14.3	11.3	13.5	10.7
SW	14.3	11.0	14.0	10.7	13.8	10.6	13.7	10.5	13.6	10.3	13.6	10.3	13.5	10.2	13.4	10.2	13.4	10.1	13.4	10.1	13.5	10.2	14.2	10.6	14.8	11.1	15.4	11.6	16.0	12.0	16.5	12.4	17.2	12.8	18.0	13.4	18.6	13.7	18.6	13.7	18.1	13.4	17.8	13.2	16.9	12.6	15.5	11.7
W	14.8	11.3	14.5	11.0	14.3	10.8	14.2	10.7	14.1	10.6	14.0	10.5	14.0	10.5	13.9	10.4	13.9	10.4	13.8	10.3	14.0	10.4	14.6	10.8	15.3	11.3	15.9	11.8	16.5	12.2	17.0	12.6	17.2	12.8	17.9	13.3	18.8	13.8	19.1	14.0	19.0	13.9	19.1	13.9	18.4	13.4	17.1	12.5
NW	13.7	10.7	13.4	10.4	13.2	10.3	13.1	10.2	13.0	10.0	13.0	10.0	12.9	9.9	12.8	9.9	12.8	9.8	12.7	9.8	12.9	9.9	13.5	10.3	14.2	10.8	14.8	11.3	15.4	11.7	15.9	12.1	16.2	12.3	16.4	12.5	16.6	12.7	17.1	13.0	17.2	12.9	17.3	13.0	16.9	12.6	15.9	11.9
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	12.9	10.3	12.6	10.2	12.5	10.1	12.5	10.0	12.4	10.0	12.4	9.9	12.4	9.9	12.4	9.9	12.4	9.9	12.3	9.9	12.3	9.9	12.5	9.9	12.7	10.1	12.8	10.2	13.0	10.3	13.1	10.5	13.3	10.6	13.4	10.7	13.5	10.7	13.5	10.8	13.4	10.7	13.3	10.7	13.2	10.6	13.1	10.5
NE	14.1	10.9	14.0	10.9	13.9	10.8	13.8	10.7	13.8	10.7	13.8	10.6	13.8	10.6	13.7	10.6	13.7	10.6	13.7	10.6	13.7	10.6	14.0	10.7	14.4	10.9	14.7	11.1	14.8	11.3	14.8	11.3	14.7	11.3	14.7	11.3	14.8	11.4	14.8	11.4	14.8	11.4	14.7	11.3	14.5	11.3	14.3	11.1
E	15.3	11.5	15.2	11.5	15.1	11.4	15.1	11.3	15.1	11.3	15.0	11.3	15.0	11.3	15.0	11.2	15.0	11.2	15.0	11.2	14.9	11.2	15.2	11.3	15.7	11.6	16.2	11.9	16.4	12.0	16.4	12.1	16.3	12.1	16.1	12.0	16.1	12.0	16.1	12.1	16.0	12.0	15.9	12.0	15.8	11.9	15.6	11.7
SE	15.3	11.6	15.3	11.5	15.2	11.4	15.1	11.3	15.1	11.3	15.0	11.3	15.0	11.3	15.0	11.2	15.0	11.2	15.0	11.2	15.0	11.2	15.1	11.3	15.5	11.5	15.9	11.8	16.2	12.0	16.4	12.1	16.4	12.1	16.3	12.1	16.2	12.1	16.1	12.1	16.0	12.1	15.9	12.0	15.8	11.9	15.6	11.8
S	13.8	10.8	13.8	10.7	13.7	10.7	13.6	10.6	13.6	10.6	13.5	10.5	13.5	10.5	13.5	10.5	13.5	10.5	13.5	10.5	13.5	10.4	13.5	10.5	13.7	10.6	13.9	10.7	14.2	11.0	14.5	11.1	14.7	11.3	14.8	11.4	14.9	11.5	14.9	11.5	14.7	11.4	14.5	11.3	14.3	11.2	14.1	11.0
SW	15.4	11.6	15.0	11.4	14.9	11.3	14.9	11.2	14.8	11.2	14.8	11.1	14.8	11.1	14.8	11.1	14.7	11.1	14.7	11.1	14.7	11.1	14.8	11.1	15.0	11.2	15.2	11.4	15.4	11.5	15.5	11.7	15.7	11.8	15.9	11.9	16.2	12.1	16.3	12.2	16.3	12.2	16.2	12.1	16.1	12.0	15.8	11.9
W	16.3	12.0	15.6	11.6	15.5	11.6	15.4	11.5	15.4	11.5	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.3	15.3	11.4	15.5	11.5	15.7	11.6	15.9	11.8	16.1	11.9	16.2	12.0	16.3	12.1	16.5	12.3	16.8	12.4	16.9	12.5	16.9	12.4	16.9	12.4	16.7	12.3
NW	15.0	11.4	14.3	11.0	14.2	10.9	14.2	10.9	14.2	10.9	14.1	10.8	14.1	10.8	14.1	10.8	14.1	10.8	14.1	10.7	14.0	10.7	14.1	10.8	14.3	10.9	14.5	11.0	14.7	11.2	14.8	11.3	15.0	11.4	15.1	11.5	15.2	11.6	15.2	11.6	15.4	11.7	15.4	11.7	15.5	11.7	15.3	11.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	12.9	10.3	12.6	10.2	12.5	10.1	12.5	10.0	12.4	10.0	12.4	9.9	12.4	9.9	12.4	9.9	12.4	9.9	12.3	9.9	12.3	9.9	12.5	9.9	12.7	10.1	12.8	10.2	13.0	10.3	13.1	10.5	13.3	10.6	13.4	10.7	13.5	10.7	13.5	10.8	13.4	10.7	13.3	10.7	13.2	10.6	13.1	10.5
NE	14.1	10.9	14.0	10.9	13.9	10.8	13.8	10.7	13.8	10.7	13.8	10.6	13.8	10.6	13.7	10.6	13.7	10.6	13.7	10.6	13.7	10.6	14.0	10.7	14.4	10.9	14.7	11.1	14.8	11.3	14.8	11.3	14.7	11.3	14.7	11.3	14.8	11.4	14.8	11.4	14.8	11.4	14.7	11.3	14.5	11.3	14.3	11.1
E	15.3	11.5	15.2	11.5	15.1	11.4	15.1	11.3	15.1	11.3	15.0	11.3	15.0	11.3	15.0	11.2	15.0	11.2	15.0	11.2	14.9	11.2	15.2	11.3	15.7	11.6	16.2	11.9	16.4	12.0	16.4	12.1	16.3	12.1	16.1	12.0	16.1	12.0	16.1	12.1	16.0	12.0	15.9	12.0	15.8	11.9	15.6	11.7
SE	15.3	11.6	15.3	11.5	15.2	11.4	15.1	11.3	15.1	11.3	15.0	11.3	15.0	11.3	15.0	11.2	15.0	11.2	15.0	11.2	15.0	11.2	15.1	11.3	15.5	11.5	15.9	11.8	16.2	12.0	16.4	12.1	16.4	12.1	16.3	12.1	16.2	12.1	16.1	12.1	16.0	12.1	15.9	12.0	15.8	11.9	15.6	11.8
S	13.8	10.8	13.8	10.7	13.7	10.7	13.6	10.6	13.6	10.6	13.5	10.5	13.5	10.5	13.5	10.5	13.5	10.5	13.5	10.5	13.5	10.4	13.5	10.5	13.7	10.6	13.9	10.7	14.2	11.0	14.5	11.1	14.7	11.3	14.8	11.4	14.9	11.5	14.9	11.5	14.7	11.4	14.5	11.3	14.3	11.2	14.1	11.0
SW	15.4	11.6	15.0	11.4	14.9	11.3	14.9	11.2	14.8	11.2	14.8	11.1	14.8	11.1	14.8	11.1	14.7	11.1	14.7	11.1	14.7	11.1	14.8	11.1	15.0	11.2	15.2	11.4	15.4	11.5	15.5	11.7	15.7	11.8	15.9	11.9	16.2	12.1	16.3	12.2	16.3	12.2	16.2	12.1	16.1	12.0	15.8	11.9
W	16.3	12.0	15.6	11.6	15.5	11.6	15.4	11.5	15.4	11.5	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.3	15.3	11.4	15.5	11.5	15.7	11.6	15.9	11.8	16.1	11.9	16.2	12.0	16.3	12.1	16.5	12.3	16.8	12.4	16.9	12.5	16.9	12.4	16.9	12.4	16.7	12.3
NW	15.0	11.4	14.3	11.0	14.2	10.9	14.2	10.9	14.2	10.9	14.1	10.8	14.1	10.8	14.1	10.8	14.1	10.8	14.1	10.7	14.0	10.7	14.1	10.8	14.3	10.9	14.5	11.0	14.7	11.2	14.8	11.3	15.0	11.4	15.1	11.5	15.2	11.6	15.2	11.6	15.4	11.7	15.4	11.7	15.5	11.7	15.3	11.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	12.9	10.4	12.6	10.2	12.5	10.1	12.4	10.0	12.4	9.9	12.3	9.9	12.3	9.9	12.3	9.9	12.3	9.8	12.2	9.8	12.2	9.8	12.4	9.9	12.6	10.1	12.8	10.2	13.0	10.4	13.2	10.5	13.4	10.6	13.5	10.7	13.6	10.8	13.6	10.9	13.5	10.8	13.4	10.8	13.3	10.7	13.2	10.6
NE	14.0	10.9	13.9	10.8	13.8	10.7	13.8	10.7	13.7	10.6	13.7	10.6	13.7	10.6	13.6	10.5	13.6	10.5	13.6	10.5	13.6	10.5	13.9	10.7	14.4	10.9	14.8	11.2	14.9	11.3	14.9	11.3	14.8	11.4	14.8	11.4	14.9	11.5	14.9	11.5	14.9	11.5	14.8	11.4	14.6	11.3	14.4	11.1
E	15.3	11.5	15.2	11.4	15.1	11.3	15.0	11.3	15.0	11.2	14.9	11.2	14.9	11.2	14.9	11.2	14.9	11.1	14.8	11.1	14.8	11.1	15.2	11.3	15.7	11.6	16.3	11.9	16.5	12.1	16.5	12.2	16.4	12.2	16.2	12.1	16.2	12.1	16.2	12.1	16.1	12.1	16.0	12.0	15.8	11.9	15.6	11.8
SE	15.3	11.5	15.2	11.5	15.1	11.4	15.0	11.3	15.0	11.2	14.9	11.2	14.9	11.2	14.9	11.2	14.9	11.1	14.8	11.1	14.8	11.1	15.0	11.2	15.5	11.5	16.0	11.8	16.4	12.0	16.5	12.2	16.5	12.2	16.5	12.2	16.3	12.2	16.2	12.2	16.1	12.1	16.0	12.1	15.9	12.0	15.6	11.8
S	13.8	10.8	13.7	10.7	13.6	10.6	13.5	10.5	13.5	10.5	13.4	10.4	13.4	10.4	13.4	10.4	13.4	10.4	13.4	10.4	13.4	10.4	13.4	10.4	13.6	10.6	13.9	10.7	14.2	11.0	14.6	11.2	14.8	11.4	15.0	11.5	15.1	11.6	15.1	11.6	14.9	11.5	14.6	11.4	14.4	11.2	14.1	11.0
SW	15.4	11.6	14.9	11.3	14.8	11.2	14.8	11.2	14.7	11.1	14.7	11.1	14.7	11.1	14.6	11.0	14.6	11.0	14.6	11.0	14.6	11.0	14.7	11.0	14.9	11.2	15.1	11.3	15.4	11.5	15.6	11.7	15.7	11.8	16.0	12.0	16.3	12.2	16.5	12.3	16.5	12.3	16.4	12.2	16.3	12.2	15.9	11.9
W	16.3	12.1	15.5	11.6	15.4	11.5	15.3	11.4	15.3	11.4	15.2	11.3	15.2	11.3	15.2	11.3	15.2	11.3	15.1	11.3	15.1	11.3	15.2	11.3	15.4	11.4	15.7	11.6	15.9	11.8	16.1	12.0	16.3	12.1	16.4	12.2	16.6	12.3	17.0	12.5	17.1	12.6	17.0	12.6	17.1	12.6	16.8	12.4
NW	15.1	11.4	14.3	11.0	14.2	10.9	14.1	10.8	14.1	10.8	14.0	10.7	14.0	10.7	14.0	10.7	14.0	10.7	13.9	10.7	13.9	10.7	14.0	10.7	14.2	10.8	14.5	11.0	14.7	11.2	14.9	11.3	15.1	11.5	15.2	11.6	15.3	11.7	15.4	11.7	15.5	11.8	15.6	11.8	15.6	11.8	15.4	11.7
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	17.2	10.5	17.1	10.4	17.0	10.4	16.9	10.3	16.9	10.3	16.8	10.2	16.8	10.2	16.8	10.2	16.8	10.2	16.8	10.2	16.8	10.2	16.9	10.2	17.2	10.4	17.7	10.7	18.1	11.0	18.5	11.2	18.7	11.3	18.8	11.4	18.9	11.5	18.9	11.5	18.7	11.4	18.4	11.2	18.1	11.1	17.7	10.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: KİLİS (36.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	11.2	9.3	10.9	9.0	10.7	8.8	10.5	8.5	10.5	8.5	10.3	8.4	10.3	8.3	10.1	8.2	10.1	8.1	10.8	8.5	12.0	9.3	12.7	9.9	13.6	10.7	14.5	11.3	15.4	12.0	15.9	12.4	16.2	12.8	16.3	13.0	16.1	12.8	15.5	12.5	14.9	12.1	14.4	11.6	13.3	10.7	11.7	9.8
NE	12.3	9.8	12.0	9.5	11.8	9.3	11.6	9.1	11.5	9.0	11.4	8.9	11.3	8.8	11.2	8.7	11.2	8.7	12.8	9.5	14.9	10.8	16.7	11.9	17.3	12.5	17.2	12.7	16.8	12.7	16.9	13.0	17.3	13.3	17.4	13.5	17.2	13.4	16.6	13.0	15.8	12.6	14.7	11.8	13.3	10.7	12.8	10.3
E	13.3	10.3	13.0	10.0	12.8	9.8	12.5	9.6	12.5	9.5	12.4	9.4	12.3	9.3	12.2	9.2	12.2	9.2	13.8	10.0	16.4	11.5	18.9	13.0	20.0	13.8	20.1	14.1	19.4	14.0	18.6	13.8	18.3	13.8	18.4	14.0	18.1	13.9	17.6	13.5	16.8	13.1	15.7	12.3	14.3	11.2	13.8	10.8
SE	13.4	10.4	13.1	10.1	12.9	9.8	12.6	9.6	12.6	9.6	12.5	9.5	12.4	9.4	12.3	9.3	12.2	9.2	13.2	9.7	15.3	10.9	17.6	12.3	19.2	13.4	20.0	14.1	20.0	14.3	19.7	14.4	19.2	14.3	18.5	14.0	18.2	13.9	17.7	13.5	16.9	13.1	15.8	12.3	14.4	11.2	13.9	10.8
S	12.1	9.7	11.8	9.4	11.6	9.2	11.4	9.0	11.3	9.0	11.2	8.8	11.2	8.8	11.0	8.6	11.0	8.6	11.3	8.7	12.4	9.5	13.4	10.2	15.1	11.4	16.6	12.4	17.8	13.2	18.5	13.7	18.9	14.1	18.8	14.2	18.0	13.8	16.8	13.1	15.7	12.5	14.5	11.7	13.1	10.6	12.6	10.2
SW	13.1	10.2	12.8	9.9	12.6	9.7	12.4	9.5	12.3	9.5	12.2	9.3	12.1	9.3	12.0	9.1	12.0	9.1	12.3	9.2	13.3	10.0	14.4	10.7	15.5	11.6	16.4	12.3	17.3	12.9	18.5	13.7	19.9	14.6	20.8	15.2	20.8	15.2	20.1	14.8	19.6	14.4	17.9	13.4	15.7	11.9	13.6	10.7
W	13.5	10.4	13.2	10.1	13.0	9.9	12.8	9.7	12.8	9.7	12.7	9.6	12.6	9.5	12.5	9.4	12.4	9.3	12.7	9.5	13.8	10.2	14.8	11.0	15.9	11.8	16.8	12.5	17.7	13.2	18.2	13.6	19.3	14.3	20.7	15.2	21.4	15.5	21.2	15.3	21.3	15.3	20.1	14.4	17.9	13.0	14.0	10.9
NW	12.6	9.9	12.3	9.7	12.1	9.4	11.8	9.2	11.8	9.2	11.7	9.1	11.6	9.0	11.5	8.9	11.5	8.8	11.7	9.0	12.8	9.7	13.9	10.5	15.0	11.3	15.9	12.0	16.7	12.7	17.2	13.1	17.6	13.5	18.0	13.8	18.8	14.2	18.9	14.2	19.2	14.3	18.4	13.6	16.7	12.4	13.1	10.4
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	13.0	10.4	12.9	10.3	12.7	10.2	12.7	10.2	12.7	10.2	12.6	10.1	12.6	10.1	12.6	10.1	12.6	10.1	12.6	10.1	12.6	10.1	12.6	10.1	12.7	10.1	12.8	10.2	12.8	10.2	12.9	10.3	13.0	10.4	13.1	10.4	13.1	10.5	13.1	10.5	13.1	10.5	13.1	10.5	13.1	10.5	13.0	10.4
NE	14.3	11.1	14.2	11.0	14.1	10.9	14.1	10.9	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.1	10.8	14.3	11.0	14.5	11.1	14.5	11.1	14.5	11.1	14.5	11.1	14.5	11.2	14.5	11.2	14.5	11.2	14.5	11.2	14.5	11.2	14.4	11.1
E	15.6	11.7	15.4	11.6	15.4	11.6	15.4	11.5	15.3	11.5	15.3	11.5	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.4	11.5	15.6	11.6	15.9	11.8	16.0	11.8	16.0	11.9	15.9	11.8	15.8	11.8	15.8	11.8	15.8	11.8	15.8	11.8	15.7	11.8	15.7	11.8
SE	15.6	11.7	15.5	11.6	15.4	11.6	15.4	11.5	15.3	11.5	15.3	11.5	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.4	15.3	11.5	15.5	11.6	15.7	11.7	15.9	11.8	16.0	11.9	16.0	11.9	15.9	11.9	15.9	11.9	15.8	11.9	15.8	11.8	15.8	11.8	15.7	11.8
S	14.1	10.9	13.9	10.8	13.9	10.8	13.8	10.8	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.7	10.7	13.7	10.7	13.8	10.7	13.9	10.7	14.0	10.8	14.1	10.9	14.3	11.0	14.4	11.1	14.4	11.1	14.5	11.2	14.5	11.2	14.4	11.1	14.3	11.1	14.2	11.0
SW	15.6	11.7	15.4	11.5	15.2	11.4	15.1	11.4	15.1	11.4	15.1	11.4	15.1	11.3	15.1	11.3	15.0	11.3	15.0	11.3	15.0	11.3	15.0	11.3	15.0	11.3	15.1	11.4	15.2	11.4	15.3	11.5	15.4	11.6	15.5	11.6	15.6	11.7	15.7	11.8	15.8	11.9	15.8	11.9	15.8	11.8	15.7	11.8
W	16.3	12.0	16.1	11.9	15.7	11.7	15.7	11.7	15.7	11.6	15.6	11.6	15.6	11.6	15.6	11.6	15.6	11.6	15.6	11.6	15.6	11.6	15.6	11.6	15.6	11.6	15.7	11.7	15.8	11.7	15.9	11.8	16.0	11.9	16.1	11.9	16.1	12.0	16.2	12.0	16.3	12.1	16.4	12.1	16.4	12.1	16.4	12.1
NW	15.0	11.4	14.8	11.3	14.5	11.1	14.4	11.1	14.4	11.0	14.4	11.0	14.4	11.0	14.4	11.0	14.4	11.0	14.3	11.0	14.3	11.0	14.3	10.9	14.4	11.0	14.5	11.0	14.6	11.1	14.7	11.2	14.7	11.2	14.8	11.3	14.9	11.3	14.9	11.4	14.9	11.4	15.0	11.4	15.0	11.4	15.0	11.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	13.1	10.5	12.9	10.4	12.6	10.2	12.5	10.1	12.4	10.0	12.4	10.0	12.3	9.9	12.3	9.9	12.3	9.9	12.3	9.9	12.3	9.8	12.3	9.8	12.4	9.9	12.7	10.1	12.8	10.2	13.0	10.3	13.2	10.5	13.4	10.6	13.5	10.7	13.5	10.8	13.5	10.8	13.5	10.8	13.4	10.7	13.3	10.6
NE	14.3	11.1	14.1	10.9	14.0	10.8	13.8	10.7	13.8	10.7	13.7	10.6	13.7	10.6	13.7	10.6	13.7	10.6	13.6	10.5	13.6	10.5	13.6	10.5	13.9	10.7	14.4	10.9	14.8	11.2	14.9	11.3	14.9	11.3	14.8	11.3	14.8	11.4	14.9	11.5	14.9	11.5	14.9	11.5	14.7	11.4	14.6	11.3
E	15.6	11.8	15.3	11.5	15.2	11.5	15.1	11.4	15.0	11.3	15.0	11.3	14.9	11.2	14.9	11.2	14.9	11.2	14.9	11.2	14.9	11.1	14.9	11.1	15.2	11.3	15.7	11.6	16.2	11.9	16.5	12.1	16.5	12.1	16.4	12.1	16.2	12.1	16.1	12.1	16.1	12.1	16.1	12.1	16.0	12.0	15.8	11.9
SE	15.6	11.8	15.3	11.5	15.2	11.5	15.1	11.4	15.0	11.3	15.0	11.3	15.0	11.2	14.9	11.2	14.9	11.2	14.9	11.2	14.9	11.1	14.9	11.1	15.1	11.2	15.5	11.5	16.0	11.8	16.3	12.0	16.5	12.1	16.5	12.2	16.4	12.2	16.3	12.2	16.2	12.1	16.1	12.1	16.0	12.0	15.8	11.9
S	14.1	11.0	13.8	10.8	13.7	10.7	13.6	10.6	13.6	10.6	13.5	10.5	13.5	10.5	13.5	10.5	13.4	10.4	13.4	10.4	13.4	10.4	13.4	10.4	13.4	10.4	13.7	10.6	13.9	10.7	14.2	11.0	14.6	11.2	14.8	11.3	14.9	11.5	15.0	11.5	15.0	11.6	14.8	11.5	14.6	11.3	14.4	11.2
SW	15.9	11.9	15.4	11.6	15.0	11.3	14.9	11.2	14.8	11.2	14.8	11.1	14.7	11.1	14.7	11.1	14.7	11.1	14.7	11.0	14.6	11.0	14.6	11.0	14.7	11.0	14.9	11.2	15.1	11.4	15.4	11.5	15.5	11.7	15.7	11.8	16.0	12.0	16.3	12.2	16.5	12.3	16.5	12.3	16.3	12.2	16.2	12.1
W	16.8	12.3	16.3	12.0	15.5	11.6	15.4	11.5	15.3	11.5	15.3	11.4	15.3	11.4	15.2	11.4	15.2	11.3	15.2	11.3	15.2	11.3	15.2	11.3	15.2	11.3	15.5	11.5	15.7	11.6	15.9	11.8	16.1	11.9	16.3	12.1	16.4	12.2	16.6	12.3	16.9	12.5	17.0	12.6	17.0	12.5	17.0	12.5
NW	15.4	11.7	15.1	11.4	14.3	11.0	14.2	10.9	14.1	10.9	14.1	10.8	14.0	10.8	14.0	10.8	14.0	10.7	14.0	10.7	14.0	10.7	14.0	10.7	14.0	10.7	14.2	10.9	14.5	11.0	14.7	11.2	14.9	11.3	15.1	11.5	15.2	11.6	15.2	11.6	15.3	11.7	15.5	11.8	15.5	11.8	15.6	11.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	12.9	10.4	12.9	10.3	12.8	10.2	12.7	10.2	12.7	10.2	12.7	10.2	12.7	10.1	12.7	10.1	12.7	10.1	12.7	10.1	12.6	10.1	12.6	10.1	12.7	10.1	12.8	10.2	12.8	10.2	12.9	10.3	13.0	10.3	13.0	10.4	13.0	10.4	13.1	10.4	13.1	10.5	13.1	10.5	13.0	10.4	13.0	10.4
NE	14.3	11.0	14.2	11.0	14.1	10.9	14.1	10.9	14.1	10.9	14.1	10.9	14.1	10.8	14.1	10.8	14.1	10.8	14.0	10.8	14.0	10.8	14.0	10.8	14.1	10.9	14.3	11.0	14.4	11.0	14.5	11.1	14.5	11.1	14.4	11.1	14.4	11.1	14.5	11.1	14.5	11.2	14.5	11.1	14.4	11.1	14.4	11.1
E	15.6	11.7	15.5	11.6	15.4	11.6	15.4	11.5	15.4	11.5	15.4	11.5	15.3	11.5	15.3	11.5	15.3	11.5	15.3	11.5	15.3	11.5	15.3	11.5	15.4	11.5	15.6	11.6	15.8	11.7	15.9	11.8	15.9	11.8	15.8	11.8	15.8	11.8	15.8	11.8	15.8	11.8	15.7	11.8	15.7	11.8	15.6	11.7
SE	15.6	11.7	15.5	11.6	15.4	11.6	15.4	11.5	15.4	11.5	15.4	11.5	15.4	11.5	15.4	11.5	15.3	11.5	15.3	11.5	15.3	11.5	15.3	11.5	15.4	11.5	15.5	11.6	15.7	11.7	15.8	11.8	15.9	11.8	15.9	11.8	15.9	11.8	15.8	11.8	15.8	11.8	15.7	11.8	15.7	11.8	15.7	11.7
S	14.0	10.9	13.9	10.8	13.9	10.8	13.9	10.8	13.9	10.8	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.8	10.7	13.9	10.8	14.0	10.8	14.1	10.9	14.2	11.0	14.3	11.0	14.3	11.1	14.4	11.1	14.4	11.1	14.3	11.1	14.2	11.0	14.1	11.0
SW	15.5	11.6	15.3	11.5	15.2	11.5	15.2	11.4	15.1	11.4	15.1	11.4	15.1	11.4	15.1	11.4	15.1	11.4	15.1	11.4	15.1	11.3	15.1	11.3	15.1	11.4	15.2	11.4	15.3	11.5	15.3	11.5	15.4	11.6	15.5	11.6	15.5	11.7	15.6	11.7	15.7	11.8	15.7	11.8	15.7	11.7	15.6	11.7
W	16.2	12.0	16.0	11.9	15.8	11.7	15.7	11.7	15.7	11.7	15.7	11.7	15.7	11.7	15.7	11.6	15.7	11.6	15.7	11.6	15.7	11.6	15.6	11.6	15.7	11.6	15.7	11.7	15.8	11.7	15.9	11.8	16.0	11.8	16.0	11.9	16.1	11.9	16.1	12.0	16.2	12.0	16.3	12.1	16.3	12.0	16.3	12.0
NW	14.9	11.3	14.8	11.2	14.5	11.1	14.5	11.1	14.5	11.1	14.4	11.0	14.4	11.0	14.4	11.0	14.4	11.0	14.4	11.0	14.4	11.0	14.4	11.0	14.4	11.0	14.5	11.1	14.6	11.1	14.6	11.2	14.7	11.2	14.8	11.3	14.8	11.3	14.8	11.3	14.9	11.3	14.9	11.4	14.9	11.4	14.9	11.4
	R2 - 12cm Concrete+2 cm plaster																																															
R	9.2	5.7	8.8	5.2	8.7	5.1	8.5	4.9	8.3	4.7	8.1	4.5	8.0	4.4	9.1	5.0	13.4	7.5	18.7	10.6	23.8	13.8	27.9	16.3	30.2	17.9	32.1	19.2	33.0	20.0	32.6	20.1	30.0	18.8	26.4	16.8	23.1	15.1	18.3	12.1	13.1	8.8	11.2	7.6	10.2	6.6	9.6	6.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: KIRIKKALE (39.50)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours 1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.9	7.8	9.6	7.5	9.4	7.3	9.2	7.1	9.1	7.0	8.6	6.6	8.5	6.4	8.4	6.3	8.2	6.1	8.1	6.0	8.4	6.2	9.3	6.8	9.8	7.3	10.6	7.8	11.1	8.3	11.7	8.8	12.0	9.0	12.2	9.2	12.2	9.3	12.1	9.2	11.8	9.1	11.5	8.9	11.5	8.9	10.9	8.5
NE	10.7	8.2	10.5	7.9	10.3	7.7	10.1	7.6	9.9	7.4	9.5	7.0	9.4	6.8	9.2	6.7	9.1	6.6	9.0	6.4	9.3	6.6	10.9	7.6	12.1	8.4	12.6	8.9	12.7	9.1	12.6	9.2	12.8	9.5	13.0	9.7	13.0	9.7	12.9	9.7	12.7	9.6	12.3	9.3	11.9	9.1	11.2	8.6
E	11.8	8.8	11.6	8.5	11.4	8.3	11.2	8.1	11.0	8.0	10.6	7.5	10.5	7.4	10.3	7.2	10.2	7.1	10.1	7.0	10.4	7.2	12.2	8.2	13.7	9.2	14.6	9.9	14.9	10.2	14.9	10.4	14.4	10.2	14.1	10.2	14.1	10.3	14.0	10.2	13.8	10.1	13.4	9.9	13.0	9.6	12.3	9.2
SE	11.8	8.7	11.6	8.5	11.4	8.3	11.2	8.1	11.0	8.0	10.6	7.5	10.5	7.4	10.3	7.2	10.2	7.1	10.1	7.0	10.3	7.2	11.7	8.0	13.1	8.9	14.3	9.7	14.9	10.2	15.2	10.6	15.2	10.6	14.7	10.5	14.1	10.3	14.0	10.2	13.8	10.1	13.4	9.9	13.0	9.6	12.3	9.1
S	11.4	8.6	11.2	8.3	11.0	8.1	10.8	7.9	10.6	7.8	10.2	7.3	10.1	7.2	9.9	7.0	9.8	6.9	9.7	6.8	9.9	6.9	10.6	7.5	11.4	8.0	12.5	8.8	13.5	9.5	14.3	10.1	14.8	10.5	15.0	10.7	15.0	10.7	14.4	10.4	13.8	10.1	13.0	9.7	12.6	9.4	11.9	8.9
SW	12.6	9.2	12.4	8.9	12.2	8.7	12.0	8.5	11.8	8.4	11.4	7.9	11.3	7.8	11.1	7.6	11.0	7.5	10.9	7.4	11.1	7.5	11.9	8.1	12.6	8.6	13.3	9.2	13.9	9.7	14.4	10.1	15.3	10.7	16.2	11.2	16.8	11.6	16.8	11.6	16.8	11.6	16.1	11.2	15.4	10.8	13.9	10.0
W	13.0	9.3	12.7	9.1	12.5	8.9	12.4	8.7	12.2	8.5	11.8	8.1	11.7	8.0	11.5	7.8	11.4	7.7	11.3	7.6	11.4	7.7	12.2	8.3	13.0	8.8	13.7	9.4	14.2	9.9	14.8	10.3	15.1	10.6	15.7	11.0	16.7	11.6	17.1	11.8	17.6	12.0	17.3	11.8	16.9	11.6	15.2	10.6
NW	11.7	8.7	11.4	8.4	11.2	8.2	11.0	8.0	10.9	7.9	10.4	7.4	10.3	7.3	10.1	7.2	10.0	7.0	9.9	6.9	10.1	7.0	10.9	7.6	11.6	8.2	12.3	8.7	12.9	9.2	13.4	9.6	13.7	9.9	13.9	10.1	14.1	10.3	14.6	10.5	15.1	10.8	15.1	10.8	15.1	10.7	13.7	9.9
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	10.4	8.0	10.1	7.7	10.0	7.7	9.9	7.6	9.9	7.5	9.8	7.5	9.7	7.3	9.6	7.3	9.6	7.3	9.5	7.2	9.5	7.2	9.6	7.2	9.9	7.4	10.1	7.6	10.3	7.8	10.5	7.9	10.6	8.1	10.7	8.1	10.8	8.2	10.8	8.2	10.8	8.2	10.7	8.2	10.6	8.1	10.6	8.1
NE	11.2	8.3	11.0	8.2	10.9	8.1	10.9	8.1	10.8	8.0	10.8	8.0	10.6	7.8	10.6	7.8	10.5	7.7	10.5	7.7	10.4	7.6	10.6	7.7	11.1	8.0	11.4	8.3	11.6	8.4	11.7	8.5	11.6	8.5	11.7	8.6	11.7	8.7	11.8	8.7	11.7	8.7	11.6	8.6	11.5	8.6	11.4	8.5
E	12.4	9.0	12.2	8.8	12.2	8.7	12.1	8.7	12.0	8.6	12.0	8.6	11.9	8.4	11.8	8.4	11.8	8.3	11.7	8.3	11.7	8.3	11.8	8.3	12.4	8.7	12.9	9.0	13.1	9.2	13.2	9.3	13.2	9.3	13.1	9.3	13.0	9.3	13.0	9.3	12.9	9.3	12.9	9.3	12.8	9.2	12.6	9.1
SE	12.4	9.0	12.2	8.8	12.2	8.7	12.1	8.7	12.0	8.6	12.0	8.6	11.8	8.4	11.8	8.4	11.8	8.3	11.7	8.3	11.7	8.3	11.8	8.3	12.2	8.6	12.7	8.9	13.0	9.1	13.2	9.3	13.3	9.4	13.3	9.4	13.2	9.4	13.0	9.3	12.9	9.3	12.9	9.3	12.7	9.2	12.6	9.1
S	12.0	8.7	11.8	8.6	11.7	8.5	11.6	8.5	11.6	8.4	11.5	8.3	11.4	8.2	11.4	8.2	11.3	8.1	11.3	8.1	11.2	8.0	11.3	8.1	11.5	8.3	11.8	8.4	12.1	8.7	12.4	8.9	12.7	9.1	12.9	9.2	12.9	9.3	12.9	9.3	12.8	9.2	12.6	9.1	12.3	9.0	12.2	8.9
SW	13.6	9.5	13.1	9.3	13.1	9.2	13.0	9.1	12.9	9.1	12.9	9.0	12.8	8.9	12.7	8.8	12.7	8.8	12.6	8.8	12.6	8.7	12.6	8.8	12.9	8.9	13.1	9.1	13.4	9.3	13.5	9.4	13.7	9.6	14.0	9.8	14.3	9.9	14.5	10.1	14.5	10.1	14.5	10.1	14.3	9.9	14.0	9.8
W	14.3	9.9	13.6	9.5	13.5	9.4	13.4	9.3	13.3	9.3	13.3	9.2	13.2	9.1	13.1	9.0	13.1	9.0	13.0	9.0	13.0	8.9	13.0	9.0	13.3	9.1	13.5	9.3	13.8	9.5	13.9	9.6	14.1	9.8	14.2	9.9	14.4	10.0	14.7	10.2	14.9	10.3	15.0	10.3	14.9	10.3	14.8	10.2
NW	12.7	9.1	12.0	8.7	12.0	8.6	11.9	8.6	11.8	8.5	11.8	8.5	11.7	8.3	11.6	8.3	11.6	8.2	11.5	8.2	11.5	8.2	11.5	8.2	11.8	8.4	12.0	8.6	12.3	8.8	12.4	8.9	12.6	9.0	12.7	9.1	12.8	9.2	12.8	9.2	13.0	9.3	13.2	9.4	13.2	9.4	13.2	9.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	10.5	8.0	10.0	7.7	9.9	7.6	9.8	7.5	9.8	7.5	9.7	7.4	9.5	7.2	9.5	7.2	9.4	7.1	9.3	7.0	9.3	7.0	9.4	7.0	9.8	7.3	10.0	7.5	10.3	7.8	10.6	8.0	10.8	8.2	11.0	8.3	11.0	8.4	11.0	8.4	11.0	8.4	10.9	8.3	10.7	8.2	10.7	8.2
NE	11.2	8.4	11.0	8.2	10.8	8.1	10.8	8.0	10.7	7.9	10.6	7.9	10.4	7.7	10.4	7.6	10.3	7.5	10.2	7.5	10.2	7.4	10.4	7.5	11.0	7.9	11.5	8.3	11.8	8.5	11.8	8.6	11.8	8.7	11.9	8.8	12.0	8.8	12.0	8.9	11.9	8.8	11.8	8.8	11.6	8.7	11.5	8.6
E	12.4	9.0	12.2	8.8	12.1	8.7	12.0	8.6	11.9	8.5	11.8	8.5	11.6	8.3	11.6	8.2	11.5	8.2	11.5	8.1	11.4	8.1	11.6	8.1	12.3	8.6	13.0	9.0	13.4	9.3	13.5	9.4	13.5	9.5	13.3	9.5	13.2	9.4	13.2	9.5	13.1	9.5	13.0	9.4	12.9	9.3	12.7	9.2
SE	12.4	9.0	12.2	8.8	12.1	8.7	12.0	8.6	11.9	8.5	11.8	8.5	11.6	8.3	11.6	8.2	11.5	8.2	11.5	8.1	11.4	8.1	11.5	8.1	12.1	8.5	12.7	8.9	13.2	9.2	13.5	9.4	13.7	9.6	13.6	9.6	13.4	9.6	13.2	9.5	13.1	9.5	13.0	9.4	12.9	9.3	12.7	9.2
S	12.0	8.8	11.7	8.6	11.6	8.5	11.5	8.4	11.5	8.3	11.4	8.2	11.2	8.1	11.1	8.0	11.1	7.9	11.0	7.9	11.0	7.8	11.1	7.9	11.4	8.1	11.7	8.4	12.2	8.7	12.6	9.0	13.0	9.3	13.2	9.4	13.3	9.5	13.3	9.5	13.0	9.4	12.8	9.3	12.4	9.1	12.2	9.0
SW	13.6	9.6	13.1	9.3	12.9	9.1	12.9	9.1	12.8	9.0	12.7	8.9	12.5	8.7	12.5	8.7	12.4	8.6	12.3	8.5	12.3	8.5	12.4	8.5	12.7	8.8	13.0	9.0	13.4	9.3	13.6	9.5	13.8	9.7	14.2	9.9	14.6	10.2	14.9	10.3	14.9	10.3	14.9	10.3	14.6	10.2	14.3	10.0
W	14.4	10.0	13.5	9.5	13.3	9.3	13.3	9.3	13.2	9.2	13.1	9.1	12.9	8.9	12.9	8.9	12.8	8.8	12.7	8.7	12.7	8.7	12.8	8.7	13.1	9.0	13.4	9.2	13.8	9.5	14.0	9.7	14.2	9.9	14.4	10.0	14.7	10.2	15.1	10.4	15.2	10.5	15.4	10.6	15.3	10.5	15.2	10.4
NW	12.9	9.2	12.0	8.7	11.9	8.6	11.8	8.5	11.7	8.4	11.6	8.4	11.4	8.2	11.4	8.1	11.3	8.1	11.3	8.0	11.2	8.0	11.3	8.0	11.6	8.2	12.0	8.5	12.3	8.7	12.5	8.9	12.8	9.1	12.9	9.3	13.0	9.4	13.0	9.4	13.3	9.5	13.5	9.6	13.5	9.6	13.5	9.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	10.7	8.2	10.0	7.8	9.8	7.6	9.7	7.5	9.6	7.4	9.5	7.2	9.2	7.0	9.1	6.9	9.0	6.8	8.9	6.7	8.8	6.6	9.0	6.7	9.6	7.1	10.0	7.4	10.4	7.8	10.8	8.1	11.1	8.4	11.3	8.6	11.5	8.7	11.5	8.8	11.4	8.7	11.2	8.6	11.0	8.5	11.0	8.5
NE	11.2	8.5	10.9	8.2	10.7	8.0	10.6	7.9	10.5	7.8	10.4	7.7	10.1	7.4	10.0	7.3	9.9	7.2	9.8	7.1	9.7	7.1	10.0	7.2	11.0	7.8	11.7	8.3	12.1	8.7	12.2	8.8	12.1	8.9	12.2	9.0	12.4	9.1	12.4	9.2	12.3	9.2	12.1	9.1	11.9	8.9	11.6	8.8
E	12.4	9.0	12.0	8.8	11.9	8.6	11.7	8.5	11.6	8.4	11.5	8.3	11.2	8.0	11.2	7.9	11.1	7.8	11.0	7.7	10.9	7.7	11.1	7.8	12.3	8.5	13.3	9.1	13.9	9.5	14.1	9.7	14.0	9.8	13.7	9.8	13.5	9.7	13.5	9.8	13.5	9.7	13.3	9.7	13.1	9.5	12.8	9.3
SE	12.4	9.0	12.0	8.8	11.9	8.6	11.7	8.5	11.6	8.4	11.5	8.3	11.2	8.0	11.2	7.9	11.1	7.8	11.0	7.7	10.9	7.7	11.1	7.7	12.0	8.3	12.9	8.9	13.6	9.4	14.1	9.7	14.3	10.0	14.2	10.0	13.9	9.9	13.5	9.8	13.5	9.7	13.3	9.7	13.1	9.5	12.8	9.3
S	11.9	8.8	11.6	8.6	11.4	8.4	11.3	8.3	11.2	8.2	11.1	8.1	10.8	7.8	10.7	7.7	10.6	7.6	10.6	7.5	10.5	7.4	10.6	7.5	11.1	7.9	11.6	8.2	12.3	8.7	12.9	9.2	13.5	9.6	13.8	9.8	13.9	9.9	13.9	10.0	13.6	9.8	13.2	9.6	12.6	9.3	12.4	9.1
SW	13.7	9.7	12.9	9.2	12.7	9.0	12.6	8.9	12.5	8.8	12.4	8.7	12.1	8.4	12.0	8.3	11.9	8.2	11.8	8.2	11.8	8.1	11.9	8.2	12.4	8.5	12.9	8.9	13.3	9.3	13.7	9.6	14.1	9.9	14.7	10.2	15.2	10.6	15.6	10.8	15.6	10.8	15.6	10.8	15.2	10.6	14.7	10.3
W	14.7	10.2	13.3	9.4	13.1	9.2	13.0	9.1	12.9	9.0	12.8	8.9	12.5	8.6	12.4	8.5	12.3	8.4	12.2	8.3	12.2	8.3	12.3	8.3	12.8	8.7	13.3	9.1	13.7	9.5	14.1	9.7	14.4	10.1	14.6	10.2	15.1	10.5	15.7	10.9	16.0	11.0	16.2	11.1	16.1	11.0	15.8	10.9
NW	13.2	9.5	11.9	8.7	11.7	8.5	11.6	8.4	11.4	8.3	11.3	8.2	11.1	7.9	11.0	7.8	10.9	7.7	10.8	7.6	10.7	7.6	10.8	7.6	11.3	8.0	11.8	8.4	12.3	8.7	12.7	9.0	13.0	9.3	13.2	9.5	13.3	9.6	13.4	9.7	13.8	9.9	14.1	10.1	14.1	10.1	14.1	10.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	15.1	8.3	14.9	8.2	14.8	8.1	14.7	8.1	14.7	8.0	14.6	8.0	14.5	7.8	14.5	7.8	14.4	7.7	14.4	7.7	14.4	7.7	14.5	7.7	14.8	8.0	15.3	8.3	15.8	8.5	16.1	8.8	16.4	9.0	16.6	9.1	16.7	9.2	16.7	9.2	16.4	9.1	16.2	9.0	15.9	8.8	15.5	8.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: KIRIKKALE (39.50)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	9.3	7.4	8.9	7.1	8.7	6.8	8.4	6.5	7.7	5.8	7.5	5.6	7.2	5.3	7.0	5.1	6.8	4.9	7.2	5.2	8.7	6.2	9.6	7.0	10.8	7.9	11.7	8.7	12.6	9.4	13.1	9.9	13.5	10.2	13.5	10.3	13.3	10.2	12.9	10.0	12.3	9.7	12.3	9.6	11.4	8.9	9.7	7.8
NE	10.0	7.7	9.7	7.4	9.4	7.2	9.1	6.9	8.4	6.2	8.2	6.0	8.0	5.7	7.7	5.5	7.6	5.3	8.1	5.6	10.7	7.2	12.6	8.5	13.6	9.3	13.7	9.7	13.5	9.9	13.9	10.3	14.2	10.6	14.2	10.7	14.0	10.6	13.6	10.4	13.0	10.1	12.3	9.6	11.3	8.8	10.4	8.2
E	11.0	8.2	10.7	7.9	10.4	7.7	10.1	7.4	9.4	6.7	9.2	6.5	8.9	6.2	8.7	6.0	8.6	5.8	9.2	6.1	12.0	7.8	14.6	9.4	16.1	10.6	16.5	11.1	16.4	11.3	15.6	11.1	15.2	11.1	15.2	11.2	15.0	11.1	14.6	10.9	14.0	10.5	13.3	10.1	12.3	9.3	11.4	8.7
SE	11.0	8.2	10.7	7.9	10.4	7.6	10.1	7.4	9.4	6.7	9.2	6.4	8.9	6.2	8.7	6.0	8.5	5.8	9.0	6.0	11.2	7.4	13.6	9.0	15.4	10.2	16.5	11.1	17.1	11.6	16.9	11.8	16.2	11.6	15.2	11.2	15.0	11.1	14.6	10.9	14.0	10.5	13.3	10.1	12.2	9.3	11.4	8.7
S	10.6	8.1	10.3	7.7	10.0	7.5	9.8	7.2	9.1	6.5	8.8	6.3	8.6	6.0	8.4	5.8	8.2	5.6	8.5	5.8	9.8	6.7	11.0	7.7	12.8	8.9	14.4	10.0	15.8	11.0	16.7	11.7	17.0	12.0	16.9	12.0	16.0	11.6	15.0	11.1	13.7	10.4	12.9	9.9	11.9	9.2	11.1	8.5
SW	11.7	8.6	11.4	8.3	11.1	8.0	10.9	7.7	10.2	7.0	9.9	6.8	9.7	6.6	9.5	6.4	9.3	6.2	9.6	6.4	10.9	7.3	12.1	8.2	13.3	9.2	14.2	9.9	15.1	10.7	16.6	11.6	17.9	12.4	19.0	13.1	18.9	13.0	18.9	13.1	17.9	12.5	16.7	11.8	14.3	10.4	12.2	9.0
W	12.1	8.8	11.7	8.5	11.5	8.2	11.2	7.9	10.5	7.2	10.3	7.0	10.0	6.7	9.8	6.5	9.6	6.3	9.9	6.5	11.2	7.4	12.4	8.4	13.6	9.3	14.5	10.1	15.4	10.8	15.9	11.3	17.0	12.0	18.6	12.9	19.2	13.2	20.0	13.6	19.5	13.3	19.0	12.9	16.1	11.2	12.5	9.2
NW	10.8	8.2	10.5	7.9	10.2	7.6	10.0	7.3	9.3	6.6	9.1	6.4	8.8	6.1	8.6	5.9	8.4	5.7	8.7	5.9	10.0	6.8	11.2	7.8	12.4	8.7	13.3	9.4	14.2	10.2	14.7	10.7	15.0	11.0	15.3	11.2	16.2	11.7	17.0	12.1	17.0	12.0	16.9	11.9	14.7	10.6	11.3	8.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.4	7.9	10.3	7.8	10.1	7.7	10.1	7.7	10.1	7.7	10.0	7.6	10.0	7.6	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.5	9.8	7.5	9.9	7.5	10.0	7.6	10.1	7.7	10.2	7.7	10.3	7.8	10.4	7.9	10.5	7.9	10.5	8.0	10.5	8.0	10.5	8.0	10.4	7.9	10.4	7.9
NE	11.3	8.3	11.2	8.3	11.1	8.2	11.0	8.2	11.0	8.1	11.0	8.1	11.0	8.1	10.9	8.0	10.9	8.0	10.8	8.0	10.8	8.0	10.8	7.9	10.9	8.0	11.1	8.1	11.3	8.2	11.4	8.3	11.4	8.4	11.4	8.4	11.4	8.4	11.4	8.4	11.4	8.5	11.4	8.4	11.4	8.4	11.3	8.4
E	12.5	9.0	12.4	8.9	12.3	8.8	12.3	8.8	12.3	8.8	12.2	8.7	12.2	8.7	12.2	8.7	12.1	8.6	12.1	8.6	12.1	8.6	12.1	8.6	12.1	8.6	12.4	8.8	12.6	8.9	12.8	9.0	12.8	9.1	12.8	9.1	12.7	9.1	12.7	9.1	12.7	9.1	12.7	9.1	12.7	9.1	12.6	9.0
SE	12.5	9.0	12.4	8.9	12.3	8.8	12.3	8.8	12.3	8.8	12.2	8.7	12.2	8.7	12.2	8.7	12.1	8.6	12.1	8.6	12.1	8.6	12.1	8.6	12.1	8.6	12.3	8.7	12.6	8.9	12.7	9.0	12.8	9.1	12.9	9.1	12.9	9.1	12.8	9.1	12.7	9.1	12.7	9.1	12.6	9.1	12.6	9.0
S	12.1	8.8	12.0	8.7	11.9	8.6	11.8	8.6	11.8	8.5	11.8	8.5	11.8	8.5	11.7	8.4	11.7	8.4	11.6	8.4	11.6	8.4	11.6	8.3	11.6	8.4	11.8	8.4	11.9	8.5	12.1	8.7	12.2	8.8	12.3	8.9	12.4	8.9	12.4	8.9	12.4	9.0	12.4	8.9	12.3	8.9	12.1	8.8
SW	13.7	9.6	13.5	9.4	13.3	9.3	13.2	9.3	13.2	9.2	13.2	9.2	13.1	9.2	13.1	9.1	13.1	9.1	13.0	9.1	13.0	9.0	13.0	9.0	13.0	9.1	13.1	9.1	13.3	9.2	13.4	9.3	13.5	9.4	13.5	9.5	13.7	9.6	13.8	9.6	13.9	9.7	13.9	9.7	13.9	9.7	13.8	9.6
W	14.3	9.9	14.0	9.7	13.7	9.5	13.6	9.5	13.6	9.4	13.6	9.4	13.6	9.4	13.5	9.3	13.5	9.3	13.4	9.3	13.4	9.3	13.4	9.2	13.4	9.3	13.6	9.3	13.7	9.4	13.8	9.5	13.9	9.6	14.0	9.7	14.0	9.7	14.1	9.8	14.3	9.9	14.3	9.9	14.4	9.9	14.4	9.9
NW	12.7	9.1	12.5	8.9	12.1	8.7	12.1	8.7	12.1	8.7	12.0	8.6	12.0	8.6	12.0	8.6	11.9	8.5	11.9	8.5	11.9	8.5	11.9	8.5	11.9	8.5	12.0	8.6	12.1	8.7	12.3	8.8	12.3	8.8	12.4	8.9	12.5	8.9	12.5	9.0	12.5	9.0	12.6	9.0	12.7	9.1	12.7	9.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	10.6	8.2	10.0	7.8	9.8	7.6	9.7	7.5	9.6	7.4	9.5	7.3	9.2	7.0	9.2	6.9	9.1	6.8	9.0	6.8	8.9	6.7	9.1	6.8	9.6	7.2	10.0	7.5	10.4	7.8	10.7	8.1	11.1	8.3	11.3	8.5	11.4	8.6	11.4	8.7	11.3	8.6	11.2	8.6	11.0	8.5	11.0	8.4
NE	11.2	8.4	10.9	8.2	10.7	8.0	10.6	7.9	10.5	7.8	10.4	7.7	10.1	7.5	10.1	7.4	10.0	7.3	9.9	7.2	9.8	7.1	10.0	7.3	11.0	7.8	11.7	8.3	12.1	8.6	12.1	8.8	12.0	8.8	12.2	9.0	12.3	9.1	12.3	9.1	12.2	9.1	12.1	9.0	11.8	8.9	11.6	8.7
E	12.4	9.0	12.1	8.8	11.9	8.6	11.8	8.5	11.7	8.4	11.6	8.3	11.3	8.1	11.2	8.0	11.2	7.9	11.1	7.8	11.0	7.7	11.2	7.9	12.3	8.5	13.2	9.1	13.8	9.5	14.0	9.7	13.9	9.8	13.6	9.7	13.5	9.7	13.5	9.7	13.4	9.7	13.3	9.6	13.0	9.5	12.8	9.3
SE	12.4	9.0	12.1	8.8	11.9	8.6	11.8	8.5	11.7	8.4	11.6	8.3	11.3	8.0	11.2	8.0	11.1	7.9	11.1	7.8	11.0	7.7	11.2	7.8	12.0	8.3	12.9	8.9	13.6	9.4	14.0	9.7	14.1	9.9	14.1	9.9	13.8	9.9	13.5	9.7	13.4	9.7	13.2	9.6	13.0	9.5	12.8	9.3
S	11.9	8.8	11.6	8.6	11.5	8.4	11.4	8.3	11.3	8.2	11.2	8.1	10.9	7.8	10.8	7.8	10.7	7.7	10.6	7.6	10.6	7.5	10.7	7.6	11.2	7.9	11.6	8.3	12.3	8.7	12.9	9.1	13.4	9.5	13.7	9.7	13.8	9.9	13.8	9.9	13.5	9.7	13.1	9.5	12.6	9.3	12.3	9.1
SW	13.7	9.7	12.9	9.2	12.8	9.1	12.7	9.0	12.6	8.8	12.5	8.7	12.2	8.5	12.1	8.4	12.0	8.3	11.9	8.2	11.9	8.2	12.0	8.2	12.5	8.6	12.9	8.9	13.4	9.3	13.7	9.5	14.0	9.8	14.6	10.2	15.1	10.5	15.5	10.7	15.4	10.7	15.4	10.7	15.0	10.5	14.6	10.3
W	14.6	10.2	13.3	9.4	13.2	9.3	13.0	9.1	12.9	9.0	12.8	8.9	12.6	8.7	12.5	8.6	12.4	8.5	12.3	8.4	12.3	8.4	12.4	8.4	12.8	8.8	13.3	9.1	13.7	9.5	14.1	9.7	14.4	10.0	14.6	10.2	15.0	10.4	15.6	10.8	15.8	10.9	16.1	11.0	15.9	10.9	15.7	10.8
NW	13.1	9.4	11.9	8.7	11.7	8.5	11.6	8.4	11.5	8.3	11.4	8.2	11.1	8.0	11.1	7.9	11.0	7.8	10.9	7.7	10.8	7.6	10.9	7.7	11.4	8.0	11.9	8.4	12.3	8.7	12.6	9.0	13.0	9.3	13.1	9.5	13.3	9.6	13.4	9.7	13.7	9.8	14.0	10.0	14.0	10.0	14.0	9.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.3	7.9	10.3	7.8	10.1	7.7	10.1	7.7	10.1	7.7	10.1	7.7	10.0	7.6	10.0	7.6	10.0	7.6	9.9	7.5	9.9	7.5	9.9	7.5	9.9	7.5	10.1	7.6	10.1	7.7	10.2	7.7	10.3	7.8	10.4	7.9	10.4	7.9	10.4	7.9	10.4	7.9	10.4	7.9	10.4	7.9	10.3	7.9
NE	11.2	8.3	11.2	8.3	11.1	8.2	11.1	8.2	11.0	8.2	11.0	8.1	11.0	8.1	10.9	8.1	10.9	8.0	10.9	8.0	10.9	8.0	10.9	8.0	10.9	8.0	11.1	8.1	11.3	8.2	11.3	8.3	11.4	8.3	11.3	8.3	11.4	8.4	11.4	8.4	11.4	8.4	11.4	8.4	11.3	8.4	11.3	8.4
E	12.5	9.0	12.4	8.9	12.4	8.8	12.3	8.8	12.3	8.8	12.3	8.8	12.3	8.7	12.2	8.7	12.2	8.7	12.2	8.7	12.2	8.6	12.1	8.6	12.2	8.6	12.4	8.8	12.6	8.9	12.7	9.0	12.8	9.0	12.8	9.1	12.7	9.0	12.7	9.0	12.7	9.0	12.6	9.0	12.6	9.0	12.6	9.0
SE	12.5	9.0	12.4	8.9	12.4	8.8	12.3	8.8	12.3	8.8	12.3	8.8	12.3	8.7	12.2	8.7	12.2	8.7	12.2	8.7	12.2	8.6	12.1	8.6	12.2	8.6	12.3	8.8	12.5	8.9	12.7	9.0	12.8	9.0	12.8	9.1	12.8	9.1	12.7	9.1	12.7	9.0	12.6	9.0	12.6	9.0	12.6	9.0
S	12.0	8.7	12.0	8.7	11.9	8.6	11.9	8.6	11.8	8.6	11.8	8.5	11.8	8.5	11.7	8.5	11.7	8.4	11.7	8.4	11.7	8.4	11.7	8.4	11.7	8.4	11.8	8.5	11.9	8.6	12.0	8.7	12.2	8.7	12.3	8.8	12.3	8.9	12.4	8.9	12.4	8.9	12.3	8.9	12.2	8.8	12.1	8.8
SW	13.6	9.5	13.5	9.4	13.3	9.3	13.3	9.3	13.2	9.3	13.2	9.2	13.2	9.2	13.1	9.2	13.1	9.1	13.1	9.1	13.1	9.1	13.1	9.1	13.1	9.1	13.2	9.2	13.3	9.2	13.4	9.3	13.5	9.4	13.5	9.4	13.6	9.5	13.7	9.6	13.8	9.6	13.8	9.6	13.8	9.6	13.7	9.6
W	14.2	9.8	14.0	9.7	13.7	9.5	13.7	9.5	13.6	9.5	13.6	9.4	13.6	9.4	13.5	9.4	13.5	9.3	13.5	9.3	13.5	9.3	13.5	9.3	13.5	9.3	13.6	9.4	13.7	9.5	13.8	9.5	13.9	9.6	13.9	9.6	14.0	9.7	14.1	9.7	14.2	9.8	14.2	9.8	14.3	9.9	14.3	9.8
NW	12.6	9.0	12.4	8.9	12.2	8.7	12.1	8.7	12.1	8.7	12.1	8.7	12.1	8.6	12.0	8.6	12.0	8.6	12.0	8.6	11.9	8.5	11.9	8.5	12.0	8.5	12.1	8.6	12.2	8.7	12.2	8.8	12.3	8.8	12.4	8.9	12.4	8.9	12.5	8.9	12.5	9.0	12.5	9.0	12.6	9.0	12.6	9.0
	R2 - 12cm Concrete+2 cm plaster																																															
R	7.8	4.2	7.2	3.6	5.8	2.1	5.3	1.7	4.8	1.2	4.4	0.7	4.0	0.4	5.0	0.9	9.6	3.8	15.0	7.2	20.3	10.6	24.7	13.4	28.3	15.8	30.5	17.4	31.0	17.9	31.0	18.2	28.1	16.7	25.7	15.5	21.6	13.3	17.6	11.2	12.6	8.2	10.0	6.4	9.1	5.4	8.4	4.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KIRŞEHİR (39.09)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.2	6.1	7.9	5.8	7.7	5.6	7.6	5.5	7.5	5.4	7.4	5.3	7.1	5.0	7.0	4.9	6.9	4.8	6.8	4.7	7.3	4.9	8.0	5.5	8.4	5.8	9.2	6.5	9.9	7.0	10.3	7.4	10.5	7.6	10.7	7.8	10.6	7.8	10.6	7.7	10.3	7.6	9.9	7.4	9.7	7.2	9.1	6.8
NE	9.8	6.9	9.5	6.6	9.3	6.4	9.2	6.3	9.1	6.2	9.0	6.1	8.7	5.8	8.6	5.7	8.5	5.6	8.4	5.5	9.5	6.1	11.1	7.0	12.2	7.7	12.3	8.1	12.3	8.2	12.0	8.2	12.1	8.4	12.3	8.6	12.2	8.6	12.2	8.5	11.9	8.4	11.5	8.2	11.1	7.9	10.4	7.4
E	11.2	7.6	10.8	7.2	10.7	7.1	10.6	7.0	10.4	6.8	10.3	6.8	10.1	6.5	9.9	6.4	9.8	6.3	9.8	6.2	11.0	6.8	12.9	7.9	14.4	8.9	14.8	9.3	14.8	9.5	14.5	9.5	13.9	9.3	13.7	9.2	13.6	9.2	13.5	9.2	13.3	9.1	12.9	8.8	12.4	8.5	11.8	8.1
SE	11.2	7.6	10.9	7.3	10.7	7.1	10.6	7.0	10.5	6.9	10.4	6.8	10.1	6.5	10.0	6.4	9.9	6.3	9.8	6.2	10.4	6.5	12.0	7.4	13.5	8.4	14.4	9.1	14.8	9.5	15.0	9.7	14.8	9.7	14.3	9.5	13.6	9.3	13.6	9.2	13.3	9.1	12.9	8.9	12.5	8.6	11.8	8.1
S	9.8	6.9	9.4	6.5	9.2	6.4	9.1	6.3	9.0	6.1	8.9	6.0	8.6	5.8	8.5	5.6	8.4	5.5	8.3	5.5	8.5	5.5	9.2	6.0	9.9	6.6	11.2	7.5	12.2	8.2	12.9	8.7	13.4	9.0	13.5	9.1	13.3	9.1	12.8	8.9	12.2	8.5	11.4	8.1	11.0	7.8	10.3	7.4
SW	10.4	7.2	10.0	6.8	9.8	6.7	9.7	6.6	9.6	6.4	9.5	6.3	9.2	6.1	9.1	5.9	9.0	5.8	8.9	5.8	9.1	5.8	9.8	6.3	10.5	6.9	11.3	7.6	12.0	8.1	12.4	8.4	13.3	9.0	14.0	9.4	14.5	9.7	14.4	9.7	13.9	9.4	13.4	9.1	12.5	8.6	11.3	7.9
W	10.4	7.2	10.0	6.8	9.9	6.7	9.8	6.6	9.6	6.4	9.6	6.4	9.3	6.1	9.2	6.0	9.1	5.9	9.0	5.8	9.1	5.8	9.8	6.3	10.5	6.9	11.4	7.6	12.0	8.1	12.4	8.5	12.7	8.7	13.3	9.1	14.2	9.5	14.5	9.7	14.3	9.6	14.1	9.4	13.2	8.9	11.9	8.1
NW	9.3	6.7	8.9	6.3	8.8	6.2	8.7	6.1	8.5	5.9	8.4	5.8	8.2	5.5	8.0	5.4	7.9	5.3	7.9	5.2	8.0	5.3	8.7	5.8	9.4	6.4	10.3	7.0	10.9	7.6	11.3	7.9	11.6	8.1	11.8	8.3	11.8	8.3	12.4	8.6	12.4	8.7	12.4	8.6	11.8	8.2	10.7	7.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.8	6.4	8.6	6.2	8.4	6.1	8.4	6.1	8.4	6.0	8.3	6.0	8.3	5.9	8.2	5.9	8.2	5.8	8.1	5.8	8.1	5.8	8.3	5.8	8.5	6.0	8.6	6.1	8.9	6.3	9.1	6.5	9.2	6.6	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.2	6.7	9.1	6.6	9.0	6.6
NE	10.5	7.3	10.3	7.1	10.2	7.0	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.8	10.0	6.7	9.9	6.7	9.9	6.7	9.9	6.6	10.2	6.8	10.7	7.1	11.1	7.4	11.1	7.5	11.1	7.5	11.0	7.5	11.1	7.6	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.6	10.9	7.5	10.7	7.4
E	12.0	8.0	11.8	7.8	11.7	7.7	11.7	7.7	11.6	7.7	11.6	7.6	11.6	7.6	11.5	7.5	11.4	7.5	11.4	7.4	11.4	7.4	11.8	7.6	12.4	7.9	12.9	8.3	13.0	8.4	13.0	8.5	12.9	8.5	12.7	8.4	12.6	8.4	12.6	8.4	12.6	8.4	12.5	8.3	12.4	8.2	12.2	8.1
SE	12.0	8.0	11.8	7.9	11.7	7.7	11.7	7.7	11.6	7.7	11.6	7.6	11.6	7.6	11.5	7.5	11.4	7.5	11.4	7.4	11.4	7.4	11.6	7.5	12.1	7.8	12.6	8.1	12.8	8.3	13.0	8.5	13.1	8.5	13.0	8.5	12.8	8.5	12.6	8.4	12.6	8.4	12.5	8.3	12.4	8.3	12.2	8.2
S	10.4	7.2	10.2	7.1	10.1	6.9	10.1	6.9	10.0	6.9	10.0	6.8	10.0	6.8	9.9	6.7	9.8	6.7	9.8	6.6	9.8	6.6	9.8	6.6	10.0	6.8	10.3	7.0	10.7	7.2	11.0	7.5	11.3	7.6	11.4	7.7	11.4	7.8	11.4	7.8	11.2	7.7	11.0	7.6	10.8	7.4	10.6	7.4
SW	11.2	7.6	10.9	7.4	10.8	7.3	10.7	7.2	10.7	7.2	10.7	7.1	10.6	7.1	10.5	7.0	10.5	7.0	10.5	7.0	10.4	6.9	10.5	6.9	10.7	7.1	10.9	7.3	11.2	7.5	11.4	7.7	11.6	7.8	11.8	8.0	12.1	8.1	12.2	8.2	12.2	8.2	12.1	8.1	11.9	8.0	11.6	7.8
W	11.4	7.7	11.0	7.4	10.8	7.3	10.8	7.3	10.8	7.2	10.7	7.2	10.7	7.1	10.6	7.1	10.6	7.0	10.5	7.0	10.5	7.0	10.5	7.0	10.8	7.1	11.0	7.3	11.3	7.5	11.5	7.7	11.6	7.8	11.7	7.9	11.9	8.0	12.2	8.2	12.3	8.2	12.2	8.2	12.1	8.1	11.9	8.0
NW	10.2	7.1	9.7	6.8	9.6	6.7	9.6	6.6	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.4	9.3	6.4	9.3	6.4	9.3	6.3	9.3	6.4	9.5	6.5	9.8	6.7	10.0	6.9	10.2	7.1	10.4	7.2	10.5	7.3	10.5	7.3	10.5	7.3	10.7	7.4	10.7	7.4	10.7	7.4	10.5	7.3
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.9	6.5	8.5	6.2	8.3	6.0	8.3	6.0	8.2	5.9	8.2	5.9	8.1	5.8	8.0	5.7	8.0	5.7	7.9	5.6	7.9	5.6	8.1	5.7	8.4	5.9	8.6	6.1	8.9	6.4	9.2	6.6	9.4	6.7	9.5	6.8	9.6	6.9	9.5	6.9	9.5	6.9	9.4	6.8	9.2	6.7	9.1	6.7
NE	10.5	7.3	10.2	7.1	10.1	6.9	10.0	6.9	10.0	6.8	9.9	6.7	9.9	6.7	9.8	6.6	9.7	6.5	9.7	6.5	9.6	6.5	10.1	6.7	10.8	7.1	11.3	7.4	11.3	7.6	11.3	7.6	11.2	7.6	11.2	7.7	11.3	7.8	11.3	7.8	11.3	7.8	11.2	7.7	11.0	7.6	10.8	7.5
E	12.0	8.0	11.7	7.8	11.6	7.6	11.5	7.6	11.5	7.5	11.4	7.5	11.3	7.4	11.2	7.3	11.2	7.3	11.1	7.2	11.1	7.2	11.6	7.4	12.5	7.9	13.1	8.4	13.3	8.5	13.3	8.6	13.2	8.6	12.9	8.5	12.8	8.5	12.8	8.5	12.7	8.5	12.6	8.5	12.5	8.3	12.2	8.2
SE	12.0	8.0	11.7	7.8	11.6	7.7	11.5	7.6	11.5	7.6	11.4	7.5	11.4	7.4	11.2	7.3	11.2	7.3	11.1	7.2	11.1	7.2	11.4	7.3	12.1	7.7	12.7	8.2	13.1	8.5	13.3	8.6	13.4	8.7	13.3	8.7	13.1	8.7	12.8	8.5	12.8	8.5	12.7	8.5	12.5	8.4	12.3	8.2
S	10.4	7.2	10.2	7.0	10.0	6.9	9.9	6.8	9.9	6.8	9.8	6.7	9.8	6.7	9.7	6.5	9.6	6.5	9.6	6.4	9.5	6.4	9.6	6.4	9.9	6.6	10.2	6.9	10.8	7.3	11.2	7.6	11.5	7.8	11.7	8.0	11.8	8.0	11.7	8.0	11.5	7.9	11.2	7.7	10.9	7.6	10.7	7.4
SW	11.2	7.7	10.8	7.4	10.6	7.2	10.6	7.1	10.5	7.1	10.5	7.0	10.4	7.0	10.3	6.9	10.3	6.8	10.2	6.8	10.2	6.7	10.3	6.8	10.5	7.0	10.9	7.2	11.2	7.5	11.5	7.7	11.7	7.9	12.1	8.1	12.4	8.3	12.6	8.4	12.6	8.4	12.4	8.3	12.2	8.2	11.7	8.0
W	11.5	7.8	10.9	7.4	10.7	7.2	10.6	7.2	10.6	7.1	10.5	7.0	10.5	7.0	10.4	6.9	10.3	6.8	10.3	6.8	10.2	6.8	10.3	6.8	10.6	7.0	10.9	7.3	11.3	7.5	11.6	7.8	11.7	7.9	11.9	8.0	12.1	8.2	12.5	8.4	12.6	8.5	12.6	8.4	12.5	8.3	12.1	8.1
NW	10.3	7.2	9.6	6.8	9.5	6.6	9.4	6.6	9.4	6.5	9.3	6.4	9.3	6.4	9.2	6.3	9.1	6.2	9.1	6.2	9.0	6.2	9.1	6.2	9.4	6.4	9.7	6.6	10.1	6.9	10.4	7.2	10.5	7.3	10.7	7.4	10.7	7.5	10.8	7.5	11.0	7.6	11.0	7.6	11.0	7.6	10.7	7.5
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.0	6.6	8.4	6.2	8.2	5.9	8.1	5.8	8.0	5.8	7.9	5.7	7.9	5.6	7.7	5.5	7.6	5.4	7.5	5.3	7.5	5.3	7.8	5.4	8.3	5.7	8.5	6.0	9.0	6.4	9.5	6.8	9.7	7.0	9.9	7.1	10.0	7.2	10.0	7.2	9.9	7.2	9.8	7.1	9.5	7.0	9.4	6.9
NE	10.5	7.3	10.1	7.0	9.8	6.8	9.8	6.7	9.7	6.6	9.6	6.5	9.5	6.5	9.4	6.3	9.3	6.2	9.2	6.1	9.2	6.1	9.9	6.5	10.9	7.1	11.6	7.5	11.7	7.8	11.7	7.9	11.5	7.9	11.6	8.0	11.7	8.1	11.7	8.1	11.6	8.1	11.5	8.0	11.2	7.8	10.9	7.6
E	11.9	8.0	11.5	7.7	11.3	7.5	11.2	7.4	11.1	7.3	11.0	7.2	11.0	7.2	10.8	7.0	10.7	6.9	10.6	6.9	10.6	6.8	11.4	7.2	12.6	7.9	13.6	8.5	13.9	8.8	13.8	9.0	13.7	9.0	13.3	8.8	13.1	8.8	13.1	8.8	13.0	8.8	12.9	8.7	12.6	8.5	12.3	8.3
SE	11.9	8.1	11.5	7.7	11.3	7.5	11.2	7.4	11.2	7.4	11.0	7.2	11.0	7.2	10.8	7.0	10.7	6.9	10.7	6.9	10.6	6.8	11.0	7.0	12.0	7.6	13.0	8.3	13.6	8.7	13.9	9.0	14.0	9.1	13.8	9.1	13.5	9.0	13.1	8.8	13.1	8.8	12.9	8.7	12.6	8.5	12.3	8.4
S	10.4	7.3	10.0	7.0	9.8	6.7	9.7	6.6	9.6	6.6	9.5	6.5	9.4	6.4	9.3	6.2	9.2	6.2	9.1	6.1	9.1	6.1	9.2	6.1	9.6	6.4	10.1	6.8	10.9	7.4	11.6	7.8	12.1	8.2	12.3	8.4	12.4	8.4	12.3	8.4	12.0	8.3	11.6	8.0	11.1	7.8	10.8	7.6
SW	11.3	7.7	10.6	7.3	10.4	7.0	10.3	7.0	10.2	6.9	10.1	6.8	10.1	6.7	9.9	6.6	9.8	6.5	9.8	6.4	9.7	6.4	9.8	6.4	10.3	6.7	10.7	7.1	11.3	7.5	11.7	7.9	12.0	8.1	12.5	8.4	13.0	8.7	13.4	8.9	13.3	8.9	13.0	8.7	12.6	8.5	12.0	8.2
W	11.6	7.9	10.7	7.3	10.4	7.1	10.4	7.0	10.3	6.9	10.2	6.8	10.1	6.8	10.0	6.6	9.9	6.5	9.8	6.4	9.8	6.4	9.9	6.4	10.3	6.8	10.8	7.1	11.3	7.6	11.7	7.9	12.0	8.1	12.2	8.3	12.6	8.5	13.1	8.8	13.3	8.9	13.2	8.9	13.1	8.8	12.5	8.4
NW	10.4	7.3	9.5	6.7	9.3	6.5	9.2	6.4	9.1	6.3	9.0	6.2	9.0	6.2	8.8	6.0	8.7	5.9	8.6	5.9	8.6	5.8	8.7	5.8	9.1	6.2	9.6	6.5	10.1	7.0	10.6	7.3	10.8	7.5	11.0	7.7	11.1	7.8	11.2	7.8	11.5	8.0	11.6	8.0	11.5	8.0	11.2	7.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	13.5	6.8	13.3	6.6	13.2	6.5	13.2	6.5	13.1	6.5	13.1	6.4	13.1	6.4	13.0	6.3	12.9	6.3	12.9	6.2	12.9	6.2	13.0	6.3	13.4	6.5	13.9	6.8	14.4	7.1	14.7	7.4	15.0	7.5	15.1	7.6	15.1	7.7	15.1	7.7	14.9	7.5	14.5	7.4	14.3	7.2	13.9	7.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KIRŞEHİR (39.09)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.3	5.4	7.1	5.2	7.0	5.1	6.7	4.8	6.6	4.7	6.1	4.2	5.9	4.0	5.7	3.8	5.6	3.7	6.4	4.1	7.6	4.9	8.2	5.6	9.5	6.7	10.6	7.5	11.3	8.1	11.7	8.5	12.0	8.7	11.9	8.7	11.8	8.7	11.4	8.5	10.8	8.1	10.4	7.8	9.4	7.1	7.9	6.1
NE	8.8	6.2	8.5	5.9	8.4	5.8	8.1	5.5	8.0	5.4	7.5	4.9	7.3	4.7	7.2	4.6	7.0	4.4	8.9	5.3	11.5	6.9	13.2	8.1	13.5	8.7	13.4	8.9	12.9	8.9	13.1	9.2	13.4	9.4	13.3	9.4	13.2	9.4	12.8	9.2	12.2	8.8	11.4	8.3	10.3	7.6	9.4	6.8
E	10.0	6.8	9.7	6.5	9.6	6.4	9.3	6.1	9.2	6.0	8.7	5.5	8.5	5.3	8.4	5.2	8.2	5.0	10.2	6.0	13.4	7.8	15.9	9.4	16.5	10.2	16.4	10.5	16.1	10.5	15.1	10.2	14.6	10.1	14.5	10.0	14.4	10.0	14.0	9.8	13.4	9.4	12.6	8.9	11.5	8.2	10.6	7.4
SE	10.0	6.8	9.8	6.6	9.7	6.4	9.4	6.1	9.3	6.0	8.8	5.6	8.6	5.4	8.4	5.2	8.3	5.1	9.4	5.6	11.9	7.1	14.5	8.7	15.8	9.8	16.5	10.5	16.9	10.9	16.5	10.9	15.7	10.6	14.6	10.1	14.5	10.1	14.1	9.8	13.4	9.4	12.7	8.9	11.6	8.2	10.7	7.4
S	8.7	6.1	8.5	5.9	8.3	5.7	8.0	5.5	7.9	5.3	7.5	4.9	7.3	4.7	7.1	4.5	7.0	4.4	7.2	4.5	8.3	5.3	9.5	6.2	11.6	7.7	13.3	8.9	14.5	9.7	15.2	10.2	15.4	10.4	15.2	10.4	14.3	10.0	13.3	9.4	12.1	8.8	11.3	8.3	10.3	7.5	9.3	6.7
SW	9.2	6.4	9.0	6.2	8.8	6.0	8.6	5.7	8.4	5.6	8.0	5.2	7.8	5.0	7.6	4.8	7.5	4.7	7.7	4.7	8.9	5.6	10.1	6.5	11.4	7.6	12.5	8.5	13.2	9.0	14.6	9.9	15.8	10.7	16.7	11.1	16.6	11.1	15.7	10.7	14.9	10.2	13.4	9.3	11.5	8.1	9.8	7.0
W	9.3	6.4	9.0	6.2	8.9	6.0	8.6	5.8	8.5	5.6	8.0	5.2	7.8	5.0	7.7	4.8	7.5	4.7	7.8	4.8	8.9	5.6	10.1	6.5	11.5	7.6	12.5	8.5	13.2	9.1	13.7	9.4	14.6	10.1	16.0	10.8	16.6	11.1	16.3	10.9	15.9	10.7	14.5	9.8	12.3	8.5	9.9	7.0
NW	8.3	5.9	8.1	5.7	7.9	5.5	7.6	5.3	7.5	5.1	7.0	4.7	6.8	4.5	6.7	4.3	6.6	4.2	6.8	4.3	7.9	5.1	9.1	6.0	10.5	7.1	11.5	8.0	12.2	8.6	12.7	8.9	12.9	9.2	13.0	9.3	13.9	9.8	14.1	9.8	14.0	9.7	13.0	9.1	11.2	8.0	8.9	6.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.9	6.4	8.8	6.3	8.6	6.2	8.6	6.2	8.5	6.2	8.5	6.1	8.5	6.1	8.5	6.1	8.5	6.1	8.4	6.0	8.4	6.0	8.4	6.0	8.5	6.0	8.6	6.1	8.7	6.2	8.8	6.3	8.9	6.4	8.9	6.4	9.0	6.5	9.0	6.5	9.0	6.5	9.0	6.5	9.0	6.5	8.9	6.4
NE	10.6	7.3	10.5	7.2	10.4	7.1	10.4	7.1	10.4	7.1	10.4	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.3	6.9	10.2	6.9	10.2	6.9	10.4	7.0	10.7	7.2	10.8	7.3	10.8	7.3	10.8	7.3	10.8	7.3	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.4	10.7	7.3
E	12.2	8.1	12.1	8.0	12.0	7.9	11.9	7.8	11.9	7.8	11.9	7.8	11.9	7.8	11.8	7.8	11.8	7.7	11.8	7.7	11.8	7.7	11.8	7.7	11.9	7.8	12.2	8.0	12.5	8.1	12.5	8.2	12.5	8.2	12.5	8.2	12.4	8.2	12.4	8.2	12.4	8.2	12.3	8.2	12.3	8.1	12.2	8.1
SE	12.2	8.1	12.1	8.0	12.0	7.9	11.9	7.9	11.9	7.8	11.9	7.8	11.9	7.8	11.9	7.8	11.8	7.7	11.8	7.7	11.8	7.7	11.8	7.7	11.9	7.7	12.1	7.9	12.3	8.0	12.5	8.1	12.5	8.2	12.6	8.2	12.5	8.2	12.5	8.2	12.4	8.2	12.4	8.2	12.3	8.1	12.3	8.1
S	10.5	7.2	10.4	7.2	10.3	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.2	7.0	10.2	7.0	10.2	6.9	10.2	6.9	10.1	6.9	10.1	6.9	10.1	6.9	10.3	7.0	10.4	7.0	10.6	7.2	10.7	7.3	10.9	7.4	10.9	7.4	10.9	7.4	10.9	7.4	10.8	7.4	10.7	7.4	10.6	7.3
SW	11.4	7.7	11.2	7.5	11.0	7.4	11.0	7.4	11.0	7.4	10.9	7.3	10.9	7.3	10.9	7.3	10.9	7.3	10.8	7.2	10.8	7.2	10.8	7.2	10.8	7.2	10.9	7.3	11.1	7.4	11.2	7.5	11.3	7.6	11.3	7.6	11.5	7.7	11.6	7.8	11.7	7.8	11.7	7.8	11.6	7.8	11.5	7.7
W	11.5	7.7	11.3	7.6	11.1	7.5	11.0	7.4	11.0	7.4	11.0	7.4	11.0	7.3	11.0	7.3	10.9	7.3	10.9	7.3	10.9	7.3	10.9	7.2	10.9	7.2	11.0	7.3	11.1	7.4	11.2	7.5	11.3	7.6	11.4	7.7	11.4	7.7	11.5	7.8	11.7	7.8	11.7	7.9	11.7	7.8	11.7	7.8
NW	10.2	7.1	10.0	7.0	9.8	6.8	9.8	6.8	9.7	6.8	9.7	6.7	9.7	6.7	9.7	6.7	9.6	6.7	9.6	6.6	9.6	6.6	9.6	6.6	9.6	6.6	9.7	6.7	9.8	6.8	10.0	6.9	10.1	7.0	10.1	7.0	10.2	7.1	10.2	7.1	10.2	7.1	10.3	7.1	10.3	7.1	10.3	7.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.0	6.6	8.4	6.2	8.2	6.0	8.1	5.9	8.1	5.8	8.0	5.7	7.9	5.7	7.7	5.5	7.7	5.4	7.6	5.4	7.6	5.3	7.9	5.5	8.3	5.8	8.5	6.0	9.0	6.4	9.4	6.7	9.7	6.9	9.8	7.1	9.9	7.2	9.9	7.2	9.8	7.2	9.7	7.1	9.5	6.9	9.3	6.8
NE	10.5	7.3	10.1	7.0	9.9	6.8	9.8	6.7	9.8	6.7	9.7	6.6	9.6	6.5	9.4	6.4	9.4	6.3	9.3	6.2	9.3	6.2	9.9	6.5	10.9	7.1	11.5	7.5	11.6	7.7	11.6	7.8	11.4	7.8	11.5	7.9	11.6	8.0	11.6	8.0	11.5	8.0	11.4	7.9	11.2	7.8	10.9	7.6
E	11.9	8.0	11.6	7.7	11.3	7.5	11.2	7.4	11.2	7.4	11.1	7.3	11.0	7.2	10.9	7.1	10.8	7.0	10.7	6.9	10.7	6.9	11.4	7.2	12.6	7.9	13.5	8.5	13.7	8.8	13.7	8.9	13.6	8.9	13.2	8.8	13.1	8.7	13.0	8.7	13.0	8.7	12.8	8.6	12.6	8.5	12.3	8.3
SE	11.9	8.1	11.6	7.8	11.4	7.5	11.3	7.5	11.2	7.4	11.1	7.3	11.1	7.2	10.9	7.1	10.8	7.0	10.8	6.9	10.7	6.9	11.1	7.1	12.0	7.6	13.0	8.2	13.5	8.7	13.8	8.9	13.9	9.0	13.7	9.0	13.4	8.9	13.0	8.7	13.0	8.7	12.9	8.7	12.6	8.5	12.3	8.3
S	10.4	7.3	10.0	7.0	9.8	6.8	9.7	6.7	9.7	6.6	9.6	6.5	9.5	6.5	9.3	6.3	9.3	6.2	9.2	6.2	9.2	6.1	9.3	6.2	9.7	6.5	10.1	6.8	10.9	7.4	11.5	7.8	12.0	8.1	12.2	8.3	12.3	8.4	12.2	8.3	11.9	8.2	11.5	8.0	11.1	7.7	10.8	7.6
SW	11.3	7.7	10.7	7.3	10.4	7.1	10.4	7.0	10.3	6.9	10.2	6.8	10.2	6.8	10.0	6.6	9.9	6.5	9.8	6.5	9.8	6.4	9.9	6.5	10.3	6.8	10.8	7.1	11.3	7.5	11.7	7.9	11.9	8.1	12.4	8.4	12.9	8.7	13.2	8.8	13.2	8.8	12.9	8.7	12.5	8.5	12.0	8.2
W	11.6	7.9	10.7	7.3	10.5	7.1	10.4	7.0	10.4	7.0	10.3	6.9	10.2	6.8	10.0	6.7	10.0	6.6	9.9	6.5	9.9	6.5	9.9	6.5	10.4	6.8	10.8	7.2	11.3	7.6	11.7	7.9	12.0	8.1	12.1	8.2	12.5	8.4	13.0	8.7	13.2	8.8	13.1	8.8	13.0	8.7	12.4	8.4
NW	10.4	7.3	9.5	6.7	9.3	6.5	9.2	6.4	9.2	6.4	9.1	6.3	9.0	6.2	8.9	6.1	8.8	6.0	8.7	5.9	8.7	5.9	8.8	5.9	9.2	6.2	9.6	6.6	10.1	7.0	10.5	7.3	10.8	7.5	10.9	7.6	11.0	7.7	11.1	7.8	11.4	7.9	11.5	8.0	11.4	7.9	11.1	7.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.8	6.4	8.8	6.3	8.6	6.2	8.6	6.2	8.6	6.2	8.6	6.2	8.5	6.1	8.5	6.1	8.5	6.1	8.5	6.1	8.5	6.1	8.5	6.1	8.5	6.1	8.6	6.2	8.7	6.2	8.8	6.3	8.8	6.4	8.9	6.4	8.9	6.4	9.0	6.4	9.0	6.4	8.9	6.4	8.9	6.4	8.9	6.4
NE	10.6	7.3	10.5	7.2	10.5	7.2	10.4	7.1	10.4	7.1	10.4	7.1	10.4	7.1	10.4	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.4	7.0	10.6	7.2	10.8	7.3	10.8	7.3	10.8	7.3	10.7	7.3	10.8	7.3	10.8	7.4	10.8	7.4	10.8	7.4	10.7	7.3	10.7	7.3
E	12.2	8.0	12.1	8.0	12.0	7.9	12.0	7.9	11.9	7.9	11.9	7.8	11.9	7.8	11.9	7.8	11.9	7.8	11.8	7.8	11.8	7.7	11.8	7.7	12.0	7.8	12.2	8.0	12.4	8.1	12.5	8.1	12.5	8.2	12.4	8.2	12.4	8.1	12.3	8.1	12.3	8.1	12.3	8.1	12.3	8.1	12.2	8.1
SE	12.2	8.0	12.1	8.0	12.0	7.9	12.0	7.9	11.9	7.9	11.9	7.8	11.9	7.8	11.9	7.8	11.9	7.8	11.9	7.8	11.8	7.7	11.8	7.7	11.9	7.8	12.1	7.9	12.3	8.0	12.4	8.1	12.5	8.2	12.5	8.2	12.5	8.2	12.4	8.2	12.3	8.1	12.3	8.1	12.3	8.1	12.2	8.1
S	10.5	7.2	10.4	7.2	10.4	7.1	10.3	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.3	7.0	10.2	7.0	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.3	7.0	10.4	7.1	10.6	7.2	10.7	7.3	10.8	7.3	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.4	10.7	7.3	10.6	7.3
SW	11.3	7.6	11.2	7.5	11.1	7.4	11.0	7.4	11.0	7.4	11.0	7.4	11.0	7.3	10.9	7.3	10.9	7.3	10.9	7.3	10.9	7.3	10.9	7.3	10.9	7.3	11.0	7.3	11.1	7.4	11.2	7.5	11.3	7.6	11.3	7.6	11.4	7.7	11.5	7.7	11.6	7.8	11.6	7.8	11.5	7.7	11.5	7.7
W	11.5	7.7	11.3	7.6	11.1	7.5	11.1	7.4	11.0	7.4	11.0	7.4	11.0	7.4	11.0	7.4	11.0	7.3	11.0	7.3	10.9	7.3	10.9	7.3	10.9	7.3	11.0	7.4	11.1	7.4	11.2	7.5	11.3	7.6	11.4	7.6	11.4	7.7	11.5	7.7	11.6	7.8	11.6	7.8	11.6	7.8	11.6	7.8
NW	10.2	7.0	10.0	7.0	9.8	6.8	9.8	6.8	9.8	6.8	9.8	6.8	9.7	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.8	6.7	9.9	6.8	10.0	6.9	10.1	7.0	10.1	7.0	10.1	7.0	10.2	7.0	10.2	7.1	10.2	7.1	10.3	7.1	10.2	7.1
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.8	2.2	5.3	1.7	5.0	1.4	4.1	0.5	3.6	0.0	3.3	-0.3	3.1	-0.6	4.3	-0.1	9.2	2.9	15.1	6.6	20.3	10.1	24.2	12.8	27.5	14.9	29.2	16.0	29.4	16.4	28.9	16.2	26.0	14.8	22.3	13.0	18.9	11.1	14.8	8.8	10.6	6.3	7.9	4.3	6.6	3.0	6.2	2.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KOCAELİ (40.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.7	6.5	8.4	6.3	8.3	6.2	8.2	6.1	8.1	5.9	7.8	5.7	7.7	5.6	7.7	5.6	7.6	5.5	7.6	5.5	7.7	5.5	8.1	5.8	9.0	6.4	9.8	7.0	10.3	7.4	10.7	7.7	11.0	8.0	11.2	8.2	11.3	8.3	11.1	8.2	10.7	7.9	10.2	7.6	9.9	7.3	9.4	7.0
NE	8.9	6.6	8.7	6.4	8.6	6.3	8.4	6.2	8.3	6.1	8.0	5.8	8.0	5.7	7.9	5.7	7.9	5.6	7.9	5.6	8.0	5.7	8.4	5.9	9.6	6.7	10.7	7.5	11.0	7.7	11.1	7.9	11.3	8.1	11.5	8.3	11.5	8.4	11.4	8.3	11.0	8.1	10.5	7.7	9.9	7.4	9.3	6.9
E	9.5	6.9	9.2	6.7	9.1	6.6	9.0	6.5	8.9	6.3	8.6	6.1	8.5	6.0	8.5	6.0	8.4	5.9	8.4	5.9	8.5	5.9	8.9	6.2	10.2	7.0	11.7	8.0	12.2	8.3	12.2	8.5	12.0	8.5	12.0	8.6	12.1	8.7	11.9	8.6	11.5	8.3	11.0	8.0	10.5	7.6	9.8	7.2
SE	9.4	6.9	9.2	6.7	9.1	6.6	9.0	6.4	8.8	6.3	8.6	6.1	8.5	6.0	8.5	6.0	8.4	5.9	8.4	5.9	8.5	5.9	8.9	6.2	10.1	6.9	11.5	7.9	12.2	8.3	12.4	8.6	12.4	8.7	12.3	8.7	12.0	8.6	11.9	8.6	11.5	8.3	11.0	8.0	10.4	7.6	9.8	7.2
S	9.6	7.0	9.3	6.8	9.2	6.6	9.1	6.5	9.0	6.4	8.7	6.1	8.6	6.0	8.6	6.0	8.5	6.0	8.5	5.9	8.6	6.0	8.9	6.2	9.9	6.8	10.9	7.5	11.6	8.1	12.2	8.5	12.6	8.7	12.8	9.0	12.8	9.0	12.5	8.9	11.8	8.5	11.1	8.0	10.6	7.7	9.9	7.2
SW	10.2	7.3	10.0	7.1	9.9	7.0	9.7	6.8	9.6	6.7	9.4	6.4	9.3	6.4	9.3	6.3	9.2	6.3	9.2	6.3	9.2	6.3	9.6	6.5	10.5	7.2	11.3	7.8	11.8	8.2	12.3	8.5	12.9	8.9	13.5	9.3	13.8	9.5	13.8	9.6	13.5	9.3	12.9	8.9	12.0	8.4	11.0	7.8
W	10.4	7.4	10.2	7.2	10.1	7.1	9.9	6.9	9.8	6.8	9.6	6.5	9.5	6.5	9.4	6.4	9.4	6.4	9.4	6.4	9.4	6.4	9.8	6.6	10.7	7.3	11.5	7.9	12.0	8.3	12.5	8.6	12.8	8.8	13.2	9.2	13.8	9.5	14.0	9.7	13.9	9.6	13.6	9.3	12.7	8.7	11.8	8.2
NW	9.7	7.0	9.5	6.8	9.3	6.7	9.2	6.6	9.1	6.5	8.8	6.2	8.7	6.1	8.7	6.1	8.6	6.0	8.6	6.0	8.7	6.0	9.1	6.3	10.0	6.9	10.8	7.5	11.3	7.9	11.8	8.2	12.0	8.5	12.2	8.7	12.3	8.8	12.6	8.9	12.6	8.9	12.4	8.7	11.7	8.3	11.0	7.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.2	6.8	9.0	6.7	8.9	6.6	8.9	6.5	8.9	6.5	8.8	6.5	8.7	6.4	8.7	6.4	8.7	6.3	8.7	6.3	8.7	6.3	8.7	6.3	8.8	6.4	9.1	6.6	9.4	6.8	9.5	6.9	9.7	7.0	9.8	7.1	9.8	7.2	9.8	7.2	9.8	7.2	9.7	7.1	9.5	7.0	9.4	6.9
NE	9.4	6.9	9.3	6.8	9.2	6.7	9.2	6.7	9.1	6.6	9.1	6.6	9.0	6.5	9.0	6.5	9.0	6.5	9.0	6.5	9.0	6.5	9.0	6.5	9.1	6.6	9.5	6.8	9.9	7.1	10.0	7.1	10.0	7.2	10.1	7.3	10.1	7.3	10.1	7.4	10.1	7.3	10.0	7.2	9.8	7.1	9.6	7.0
E	10.0	7.2	9.9	7.1	9.8	7.0	9.8	7.0	9.7	6.9	9.7	6.9	9.6	6.8	9.6	6.8	9.6	6.8	9.6	6.8	9.6	6.8	9.6	6.8	9.7	6.9	10.2	7.1	10.6	7.4	10.8	7.5	10.8	7.6	10.7	7.6	10.7	7.6	10.7	7.7	10.7	7.6	10.6	7.5	10.4	7.4	10.2	7.3
SE	10.0	7.2	9.9	7.1	9.8	7.0	9.8	7.0	9.7	6.9	9.7	6.9	9.6	6.8	9.6	6.8	9.6	6.8	9.6	6.8	9.6	6.8	9.6	6.8	9.7	6.9	10.1	7.1	10.6	7.4	10.8	7.5	10.8	7.6	10.9	7.7	10.8	7.7	10.7	7.6	10.7	7.6	10.6	7.5	10.4	7.4	10.2	7.3
S	10.1	7.2	10.0	7.1	9.9	7.1	9.9	7.0	9.8	7.0	9.8	7.0	9.7	6.9	9.7	6.8	9.7	6.8	9.7	6.8	9.7	6.8	9.7	6.8	9.8	6.9	10.1	7.1	10.4	7.3	10.7	7.5	10.9	7.6	11.0	7.7	11.1	7.8	11.1	7.8	10.9	7.8	10.7	7.6	10.5	7.5	10.3	7.4
SW	11.0	7.7	10.8	7.5	10.7	7.5	10.6	7.4	10.6	7.4	10.6	7.3	10.5	7.2	10.5	7.2	10.4	7.2	10.4	7.2	10.4	7.2	10.4	7.2	10.6	7.3	10.9	7.5	11.1	7.7	11.3	7.8	11.4	7.9	11.6	8.0	11.8	8.2	11.9	8.2	11.9	8.2	11.8	8.2	11.6	8.0	11.3	7.9
W	11.4	7.9	11.0	7.6	10.9	7.6	10.9	7.5	10.8	7.5	10.8	7.4	10.7	7.4	10.7	7.3	10.7	7.3	10.6	7.3	10.6	7.3	10.7	7.3	10.8	7.4	11.1	7.6	11.3	7.8	11.5	7.9	11.6	8.0	11.7	8.1	11.9	8.2	12.0	8.3	12.1	8.4	12.1	8.3	12.0	8.2	11.7	8.1
NW	10.6	7.4	10.1	7.2	10.1	7.1	10.0	7.1	10.0	7.1	9.9	7.0	9.9	6.9	9.8	6.9	9.8	6.9	9.8	6.9	9.8	6.9	9.8	6.9	9.9	7.0	10.2	7.2	10.5	7.4	10.7	7.5	10.8	7.6	10.9	7.7	11.0	7.7	11.0	7.8	11.1	7.8	11.1	7.8	11.0	7.7	10.8	7.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.3	6.8	9.0	6.6	8.9	6.5	8.8	6.5	8.7	6.4	8.7	6.4	8.6	6.3	8.5	6.2	8.5	6.2	8.5	6.2	8.5	6.2	8.5	6.2	8.7	6.3	9.1	6.6	9.4	6.8	9.7	7.0	9.9	7.2	10.0	7.3	10.1	7.4	10.1	7.4	10.0	7.4	9.8	7.2	9.6	7.1	9.5	7.0
NE	9.4	6.9	9.2	6.8	9.1	6.7	9.1	6.6	9.0	6.6	9.0	6.5	8.9	6.4	8.8	6.4	8.8	6.4	8.8	6.3	8.8	6.3	8.8	6.3	9.0	6.5	9.5	6.8	10.0	7.1	10.1	7.2	10.2	7.3	10.3	7.4	10.4	7.5	10.4	7.5	10.3	7.5	10.1	7.4	9.9	7.2	9.7	7.1
E	10.0	7.2	9.8	7.1	9.7	7.0	9.7	6.9	9.6	6.9	9.6	6.8	9.4	6.7	9.4	6.7	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.6	6.8	10.2	7.1	10.8	7.5	11.0	7.7	11.0	7.7	11.0	7.7	10.9	7.8	11.0	7.8	10.9	7.8	10.7	7.7	10.5	7.5	10.3	7.4
SE	10.0	7.2	9.8	7.1	9.7	7.0	9.7	6.9	9.6	6.9	9.6	6.8	9.4	6.7	9.4	6.7	9.4	6.6	9.4	6.6	9.4	6.6	9.4	6.6	9.6	6.7	10.1	7.1	10.7	7.5	11.0	7.7	11.1	7.8	11.1	7.8	11.1	7.9	10.9	7.8	10.9	7.8	10.7	7.7	10.5	7.5	10.3	7.4
S	10.1	7.2	9.9	7.1	9.8	7.0	9.8	7.0	9.7	6.9	9.7	6.9	9.5	6.7	9.5	6.7	9.5	6.7	9.5	6.7	9.5	6.7	9.5	6.7	9.7	6.8	10.1	7.1	10.5	7.4	10.8	7.6	11.1	7.8	11.3	7.9	11.4	8.0	11.3	8.0	11.2	7.9	10.9	7.8	10.6	7.6	10.4	7.4
SW	11.0	7.7	10.7	7.5	10.6	7.4	10.5	7.3	10.5	7.3	10.4	7.2	10.3	7.1	10.3	7.1	10.2	7.1	10.2	7.0	10.2	7.0	10.2	7.0	10.4	7.2	10.8	7.4	11.1	7.7	11.4	7.9	11.6	8.0	11.8	8.2	12.1	8.4	12.2	8.5	12.2	8.5	12.1	8.4	11.8	8.2	11.4	8.0
W	11.5	7.9	10.9	7.6	10.8	7.5	10.7	7.4	10.7	7.4	10.6	7.3	10.5	7.2	10.5	7.2	10.5	7.2	10.4	7.1	10.4	7.1	10.5	7.2	10.6	7.3	11.0	7.5	11.4	7.8	11.6	8.0	11.8	8.1	11.9	8.2	12.1	8.4	12.3	8.5	12.4	8.6	12.4	8.5	12.3	8.4	11.9	8.2
NW	10.6	7.5	10.1	7.2	10.0	7.1	9.9	7.0	9.8	7.0	9.8	6.9	9.7	6.8	9.6	6.8	9.6	6.8	9.6	6.7	9.6	6.7	9.6	6.7	9.8	6.9	10.2	7.1	10.5	7.4	10.8	7.6	11.0	7.7	11.1	7.8	11.2	7.9	11.2	7.9	11.3	8.0	11.3	8.0	11.2	7.9	10.9	7.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.3	6.9	8.8	6.6	8.7	6.5	8.6	6.4	8.5	6.3	8.5	6.2	8.3	6.0	8.2	6.0	8.2	6.0	8.2	5.9	8.2	5.9	8.2	5.9	8.5	6.1	9.1	6.5	9.6	6.9	9.9	7.1	10.2	7.4	10.4	7.5	10.5	7.7	10.5	7.7	10.4	7.7	10.2	7.5	9.9	7.3	9.6	7.1
NE	9.4	6.9	9.1	6.7	9.0	6.6	8.9	6.5	8.8	6.4	8.7	6.3	8.5	6.2	8.5	6.1	8.5	6.1	8.4	6.1	8.4	6.0	8.5	6.1	8.8	6.3	9.5	6.7	10.3	7.3	10.5	7.4	10.5	7.5	10.6	7.7	10.8	7.8	10.8	7.9	10.7	7.8	10.4	7.6	10.1	7.4	9.8	7.2
E	9.9	7.2	9.7	7.0	9.5	6.9	9.5	6.8	9.4	6.7	9.3	6.6	9.1	6.5	9.1	6.4	9.1	6.4	9.0	6.4	9.0	6.3	9.1	6.4	9.4	6.5	10.2	7.1	11.2	7.7	11.5	7.9	11.5	8.0	11.4	8.0	11.4	8.1	11.4	8.1	11.3	8.1	11.0	7.9	10.7	7.7	10.3	7.5
SE	9.9	7.2	9.7	7.0	9.5	6.9	9.4	6.8	9.4	6.7	9.3	6.6	9.1	6.4	9.1	6.4	9.0	6.4	9.0	6.3	9.0	6.3	9.0	6.4	9.3	6.5	10.1	7.0	11.0	7.6	11.4	7.9	11.6	8.1	11.6	8.1	11.6	8.2	11.4	8.1	11.3	8.1	11.0	7.9	10.7	7.7	10.3	7.5
S	10.0	7.2	9.8	7.1	9.6	6.9	9.5	6.8	9.5	6.8	9.4	6.7	9.2	6.5	9.2	6.5	9.2	6.4	9.1	6.4	9.1	6.4	9.1	6.4	9.4	6.6	10.0	7.0	10.6	7.4	11.1	7.8	11.5	8.0	11.8	8.2	11.9	8.4	11.9	8.4	11.7	8.3	11.3	8.1	10.8	7.8	10.4	7.5
SW	11.0	7.7	10.5	7.4	10.4	7.3	10.3	7.2	10.2	7.1	10.1	7.0	9.9	6.9	9.9	6.8	9.9	6.8	9.8	6.8	9.8	6.7	9.9	6.8	10.1	6.9	10.7	7.3	11.2	7.7	11.6	8.0	11.9	8.2	12.2	8.4	12.6	8.7	12.8	8.9	12.8	8.9	12.6	8.7	12.2	8.5	11.6	8.1
W	11.6	8.0	10.7	7.5	10.6	7.4	10.5	7.3	10.4	7.2	10.3	7.1	10.1	7.0	10.1	6.9	10.1	6.9	10.0	6.9	10.0	6.8	10.1	6.9	10.3	7.0	10.9	7.4	11.4	7.8	11.8	8.1	12.1	8.3	12.2	8.4	12.5	8.7	12.9	8.9	13.0	9.0	13.0	8.9	12.8	8.7	12.2	8.4
NW	10.8	7.6	9.9	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.3	6.6	9.3	6.5	9.3	6.5	9.2	6.5	9.2	6.4	9.3	6.5	9.5	6.6	10.1	7.0	10.6	7.4	11.0	7.7	11.3	7.9	11.4	8.0	11.6	8.2	11.6	8.3	11.8	8.4	11.8	8.3	11.7	8.2	11.2	7.9
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.5	6.0	11.4	5.9	11.3	5.8	11.3	5.8	11.2	5.7	11.2	5.7	11.1	5.6	11.1	5.6	11.1	5.6	11.1	5.6	11.1	5.6	11.1	5.6	11.3	5.7	11.7	6.0	12.2	6.3	12.5	6.5	12.7	6.6	12.8	6.7	12.9	6.8	12.9	6.8	12.8	6.7	12.5	6.6	12.2	6.4	11.9	6.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KOCAELİ (40.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	8.0	6.1	7.7	5.8	7.5	5.6	7.4	5.5	6.9	5.0	6.8	4.9	6.7	4.8	6.6	4.7	6.6	4.7	6.7	4.8	7.4	5.2	8.9	6.2	10.2	7.2	11.0	7.8	11.7	8.4	12.2	8.7	12.5	9.1	12.6	9.3	12.3	9.2	11.7	8.7	10.9	8.2	10.3	7.8	9.5	7.1	8.3	6.4
NE	8.2	6.2	8.0	5.9	7.8	5.8	7.6	5.6	7.1	5.1	7.0	5.0	7.0	4.9	6.9	4.8	6.8	4.8	7.0	4.9	7.7	5.3	9.6	6.6	11.5	7.8	12.0	8.3	12.1	8.6	12.4	8.9	12.8	9.2	12.8	9.4	12.6	9.3	11.9	8.8	11.1	8.3	10.2	7.7	9.2	7.0	8.6	6.5
E	8.7	6.4	8.4	6.2	8.3	6.0	8.1	5.8	7.6	5.4	7.5	5.2	7.4	5.2	7.4	5.1	7.3	5.0	7.5	5.1	8.2	5.6	10.3	6.9	12.7	8.5	13.5	9.1	13.5	9.3	13.3	9.3	13.3	9.5	13.3	9.6	13.1	9.5	12.4	9.1	11.6	8.5	10.7	7.9	9.7	7.2	9.0	6.8
SE	8.6	6.4	8.4	6.2	8.2	6.0	8.0	5.8	7.6	5.3	7.5	5.2	7.4	5.2	7.3	5.1	7.3	5.0	7.4	5.1	8.1	5.5	10.0	6.8	12.4	8.3	13.5	9.0	13.9	9.5	13.9	9.6	13.8	9.7	13.3	9.6	13.0	9.5	12.4	9.1	11.5	8.5	10.7	7.9	9.6	7.2	9.0	6.7
S	8.8	6.5	8.5	6.2	8.3	6.0	8.2	5.9	7.7	5.4	7.6	5.3	7.5	5.2	7.4	5.1	7.4	5.1	7.5	5.1	8.1	5.6	9.6	6.6	11.3	7.7	12.5	8.6	13.5	9.3	14.1	9.7	14.5	10.1	14.5	10.2	13.9	10.0	12.9	9.3	11.7	8.6	10.8	8.0	9.7	7.2	9.1	6.8
SW	9.4	6.8	9.1	6.5	8.9	6.3	8.8	6.2	8.3	5.7	8.2	5.6	8.1	5.5	8.0	5.4	8.0	5.4	8.1	5.4	8.7	5.9	10.2	6.9	11.6	7.9	12.4	8.5	13.1	9.1	14.1	9.7	15.1	10.4	15.6	10.8	15.6	10.8	15.1	10.4	14.1	9.8	12.6	8.9	11.1	7.9	9.7	7.1
W	9.5	6.9	9.3	6.6	9.1	6.4	8.9	6.2	8.5	5.8	8.4	5.7	8.3	5.6	8.2	5.5	8.2	5.5	8.3	5.5	8.9	5.9	10.4	7.0	11.7	8.0	12.6	8.6	13.3	9.2	13.7	9.5	14.5	10.1	15.4	10.7	15.8	10.9	15.7	10.7	15.1	10.3	13.6	9.4	12.1	8.4	9.9	7.2
NW	8.9	6.5	8.6	6.3	8.4	6.1	8.3	5.9	7.8	5.4	7.7	5.3	7.6	5.3	7.5	5.2	7.5	5.1	7.6	5.2	8.2	5.6	9.7	6.6	11.1	7.6	11.9	8.3	12.6	8.9	13.1	9.2	13.4	9.6	13.6	9.8	14.0	10.0	14.0	9.9	13.7	9.6	12.6	8.9	11.4	8.1	9.2	6.8
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.8	9.2	6.8	9.1	6.7	9.1	6.7	9.0	6.6	9.0	6.6	9.0	6.6	9.0	6.5	9.0	6.5	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.5	9.0	6.6	9.2	6.7	9.3	6.8	9.4	6.8	9.4	6.9	9.5	6.9	9.5	6.9	9.5	7.0	9.5	6.9	9.4	6.9	9.3	6.9
NE	9.5	6.9	9.5	6.9	9.4	6.8	9.4	6.8	9.3	6.8	9.3	6.8	9.3	6.7	9.3	6.7	9.2	6.7	9.2	6.7	9.2	6.7	9.2	6.7	9.2	6.7	9.3	6.7	9.5	6.8	9.7	7.0	9.7	7.0	9.7	7.0	9.8	7.1	9.8	7.1	9.8	7.1	9.8	7.1	9.7	7.0	9.6	7.0
E	10.2	7.2	10.1	7.2	10.0	7.1	10.0	7.1	10.0	7.1	9.9	7.1	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	9.8	7.0	9.8	7.0	9.9	7.0	9.9	7.0	10.1	7.2	10.4	7.3	10.4	7.4	10.4	7.4	10.4	7.4	10.4	7.4	10.4	7.4	10.4	7.4	10.3	7.4	10.3	7.3
SE	10.2	7.2	10.1	7.2	10.0	7.1	10.0	7.1	9.9	7.1	9.9	7.1	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	9.8	7.0	9.8	7.0	9.9	7.0	9.9	7.0	10.1	7.1	10.3	7.3	10.4	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.4	7.4	10.4	7.4	10.3	7.4	10.3	7.3
S	10.3	7.3	10.2	7.2	10.1	7.2	10.1	7.2	10.1	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.0	10.0	7.0	9.9	7.0	9.9	7.0	10.0	7.0	10.0	7.1	10.2	7.2	10.3	7.3	10.4	7.4	10.5	7.4	10.6	7.5	10.6	7.5	10.6	7.5	10.6	7.5	10.5	7.4	10.4	7.4
SW	11.2	7.7	11.0	7.6	10.9	7.6	10.8	7.5	10.8	7.5	10.8	7.5	10.8	7.5	10.7	7.4	10.7	7.4	10.7	7.4	10.7	7.4	10.7	7.4	10.7	7.4	10.8	7.5	10.9	7.5	11.1	7.6	11.1	7.7	11.2	7.8	11.3	7.8	11.4	7.9	11.4	7.9	11.4	7.9	11.4	7.9	11.3	7.8
W	11.5	7.9	11.3	7.8	11.1	7.7	11.1	7.7	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.5	11.0	7.5	11.0	7.5	10.9	7.5	10.9	7.5	11.0	7.5	11.0	7.6	11.2	7.7	11.3	7.8	11.4	7.8	11.4	7.9	11.5	7.9	11.5	8.0	11.6	8.0	11.7	8.0	11.7	8.0	11.6	8.0
NW	10.6	7.4	10.5	7.4	10.2	7.3	10.2	7.2	10.2	7.2	10.2	7.2	10.2	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.2	7.1	10.3	7.2	10.4	7.3	10.5	7.4	10.6	7.4	10.6	7.5	10.7	7.5	10.7	7.5	10.7	7.6	10.7	7.5	10.7	7.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.3	6.9	8.9	6.6	8.7	6.5	8.6	6.4	8.6	6.3	8.5	6.2	8.3	6.1	8.3	6.0	8.3	6.0	8.2	6.0	8.2	6.0	8.3	6.0	8.5	6.1	9.1	6.5	9.5	6.9	9.9	7.1	10.1	7.3	10.3	7.5	10.4	7.6	10.4	7.7	10.4	7.6	10.1	7.5	9.8	7.3	9.6	7.1
NE	9.4	6.9	9.1	6.7	9.0	6.6	8.9	6.5	8.8	6.5	8.8	6.4	8.6	6.2	8.6	6.2	8.5	6.2	8.5	6.1	8.5	6.1	8.6	6.1	8.8	6.3	9.5	6.7	10.2	7.2	10.4	7.4	10.4	7.5	10.6	7.6	10.7	7.7	10.7	7.8	10.6	7.8	10.4	7.6	10.1	7.4	9.7	7.2
E	9.9	7.2	9.7	7.0	9.6	6.9	9.5	6.8	9.4	6.7	9.4	6.7	9.2	6.5	9.1	6.5	9.1	6.4	9.1	6.4	9.1	6.4	9.1	6.4	9.4	6.6	10.2	7.1	11.1	7.7	11.4	7.9	11.4	8.0	11.3	8.0	11.3	8.0	11.3	8.1	11.2	8.0	11.0	7.9	10.7	7.7	10.3	7.5
SE	9.9	7.2	9.7	7.0	9.6	6.9	9.5	6.8	9.4	6.7	9.3	6.7	9.2	6.5	9.1	6.5	9.1	6.4	9.1	6.4	9.1	6.4	9.1	6.4	9.4	6.6	10.1	7.0	11.0	7.6	11.4	7.9	11.5	8.0	11.5	8.1	11.5	8.1	11.3	8.1	11.2	8.0	10.9	7.9	10.6	7.7	10.3	7.4
S	10.0	7.2	9.8	7.1	9.7	6.9	9.6	6.9	9.5	6.8	9.5	6.7	9.3	6.5	9.2	6.5	9.2	6.5	9.2	6.5	9.2	6.4	9.2	6.5	9.4	6.6	10.0	7.0	10.6	7.4	11.1	7.7	11.4	8.0	11.7	8.2	11.8	8.3	11.8	8.3	11.6	8.2	11.2	8.0	10.8	7.7	10.4	7.5
SW	11.0	7.7	10.5	7.4	10.4	7.3	10.3	7.2	10.2	7.1	10.2	7.1	10.0	6.9	10.0	6.9	9.9	6.8	9.9	6.8	9.9	6.8	9.9	6.8	10.2	7.0	10.7	7.3	11.2	7.7	11.5	7.9	11.8	8.2	12.1	8.4	12.5	8.6	12.7	8.8	12.7	8.8	12.5	8.7	12.2	8.4	11.6	8.1
W	11.6	8.0	10.7	7.5	10.6	7.4	10.5	7.3	10.5	7.3	10.4	7.2	10.2	7.0	10.2	7.0	10.2	7.0	10.1	6.9	10.1	6.9	10.1	6.9	10.4	7.1	10.9	7.4	11.4	7.8	11.7	8.1	12.0	8.3	12.2	8.4	12.5	8.6	12.8	8.8	12.9	8.9	12.9	8.8	12.7	8.7	12.1	8.3
NW	10.7	7.6	9.9	7.1	9.8	7.0	9.7	6.9	9.6	6.9	9.6	6.8	9.4	6.6	9.4	6.6	9.3	6.6	9.3	6.5	9.3	6.5	9.3	6.5	9.6	6.7	10.1	7.0	10.6	7.4	10.9	7.7	11.2	7.9	11.4	8.0	11.5	8.1	11.6	8.2	11.7	8.3	11.7	8.3	11.6	8.1	11.2	7.9
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.8	9.2	6.7	9.1	6.7	9.1	6.7	9.1	6.6	9.1	6.6	9.0	6.6	9.0	6.6	9.0	6.6	9.0	6.6	9.0	6.6	9.0	6.6	9.0	6.6	9.0	6.6	9.2	6.7	9.3	6.7	9.3	6.8	9.4	6.8	9.4	6.9	9.4	6.9	9.5	6.9	9.4	6.9	9.4	6.9	9.3	6.8
NE	9.5	6.9	9.5	6.9	9.4	6.8	9.4	6.8	9.4	6.8	9.3	6.8	9.3	6.8	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.5	6.8	9.6	6.9	9.7	7.0	9.7	7.0	9.7	7.0	9.7	7.0	9.7	7.1	9.7	7.0	9.7	7.0	9.6	7.0
E	10.2	7.2	10.1	7.2	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	10.0	7.1	10.1	7.2	10.3	7.3	10.4	7.3	10.4	7.3	10.4	7.3	10.4	7.4	10.4	7.4	10.3	7.4	10.3	7.3	10.2	7.3
SE	10.2	7.2	10.1	7.2	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	9.9	7.1	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	9.9	7.0	10.0	7.0	10.1	7.1	10.3	7.3	10.4	7.3	10.4	7.4	10.4	7.4	10.4	7.4	10.4	7.4	10.3	7.4	10.3	7.3	10.2	7.3
S	10.3	7.3	10.2	7.2	10.1	7.2	10.1	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.0	7.1	10.1	7.1	10.2	7.2	10.3	7.3	10.4	7.3	10.5	7.4	10.5	7.4	10.6	7.5	10.6	7.5	10.5	7.4	10.4	7.4	10.3	7.3
SW	11.1	7.7	11.0	7.6	10.9	7.6	10.9	7.6	10.9	7.5	10.8	7.5	10.8	7.5	10.8	7.5	10.8	7.5	10.8	7.5	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.5	10.9	7.6	11.0	7.6	11.1	7.7	11.2	7.7	11.2	7.8	11.3	7.8	11.4	7.9	11.4	7.9	11.3	7.8	11.2	7.8
W	11.4	7.9	11.3	7.8	11.1	7.7	11.1	7.7	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.0	7.6	11.1	7.6	11.2	7.7	11.3	7.8	11.3	7.8	11.4	7.8	11.4	7.9	11.5	7.9	11.6	8.0	11.6	8.0	11.6	8.0	11.5	7.9
NW	10.5	7.4	10.4	7.4	10.3	7.3	10.2	7.2	10.2	7.2	10.2	7.2	10.2	7.2	10.2	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.2	7.2	10.3	7.2	10.4	7.3	10.5	7.4	10.5	7.4	10.6	7.4	10.6	7.5	10.6	7.5	10.6	7.5	10.6	7.5	10.6	7.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.2	2.3	4.9	1.9	3.9	0.9	3.7	0.7	3.5	0.6	3.3	0.4	3.2	0.3	3.7	0.5	5.7	1.7	10.8	4.8	16.5	8.4	20.2	10.7	22.6	12.3	24.2	13.4	25.2	14.3	24.9	14.4	23.2	13.6	20.5	12.0	17.0	9.9	12.9	7.6	9.0	5.2	6.9	3.9	6.1	3.2	5.6	2.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KONYA (37.52)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.9	5.7	7.6	5.5	7.4	5.2	7.2	5.1	7.2	5.1	6.9	4.8	6.8	4.7	6.6	4.5	6.5	4.4	6.4	4.3	7.2	4.7	8.0	5.3	8.5	5.8	8.9	6.3	9.4	6.6	9.8	6.9	10.0	7.2	10.1	7.3	10.3	7.4	10.2	7.4	9.9	7.2	9.8	7.1	9.7	7.0	9.2	6.5
NE	9.8	6.7	9.5	6.4	9.3	6.2	9.1	6.0	9.1	6.0	8.8	5.8	8.8	5.7	8.5	5.4	8.4	5.3	8.3	5.2	9.8	6.0	11.6	7.1	13.1	8.1	13.1	8.4	12.7	8.3	12.0	8.1	12.0	8.1	12.1	8.2	12.2	8.4	12.1	8.3	11.8	8.1	11.5	8.0	11.0	7.6	10.2	7.0
E	11.4	7.5	11.1	7.2	10.9	7.0	10.7	6.8	10.7	6.8	10.5	6.6	10.4	6.5	10.1	6.2	10.0	6.1	9.9	6.1	11.4	6.8	13.5	8.1	15.7	9.4	16.1	9.9	15.8	9.8	15.1	9.6	14.2	9.2	13.7	9.0	13.8	9.2	13.7	9.1	13.4	8.9	13.1	8.8	12.6	8.4	11.8	7.8
SE	11.5	7.5	11.2	7.3	11.0	7.1	10.8	6.9	10.8	6.9	10.5	6.6	10.5	6.5	10.2	6.3	10.1	6.2	10.0	6.1	10.9	6.6	12.5	7.6	14.5	8.8	15.4	9.5	15.7	9.8	15.6	9.8	15.1	9.7	14.3	9.3	13.9	9.2	13.8	9.2	13.5	9.0	13.2	8.8	12.7	8.5	11.9	7.9
S	9.1	6.4	8.9	6.1	8.6	5.9	8.4	5.7	8.5	5.7	8.2	5.4	8.1	5.3	7.9	5.1	7.8	5.0	7.7	4.9	8.0	5.1	8.7	5.7	9.5	6.4	10.6	7.1	11.6	7.7	12.3	8.2	12.8	8.5	12.8	8.6	12.7	8.6	12.2	8.4	11.5	8.0	10.8	7.6	10.4	7.3	9.6	6.7
SW	10.6	7.1	10.4	6.8	10.1	6.6	9.9	6.4	10.0	6.5	9.7	6.2	9.6	6.1	9.4	5.9	9.3	5.8	9.2	5.7	9.5	5.9	10.2	6.4	11.0	7.1	11.7	7.6	12.1	8.0	12.5	8.3	13.4	8.9	14.3	9.3	15.0	9.8	15.2	9.9	15.3	9.9	14.5	9.5	13.4	8.8	12.1	8.0
W	11.3	7.4	11.1	7.2	10.8	7.0	10.6	6.8	10.7	6.8	10.4	6.5	10.3	6.4	10.1	6.2	10.0	6.1	9.9	6.0	10.2	6.2	10.9	6.8	11.7	7.5	12.4	8.0	12.8	8.4	13.2	8.7	13.5	8.9	14.2	9.3	15.3	9.9	16.0	10.3	16.7	10.6	16.3	10.4	15.3	9.8	14.1	9.0
NW	9.9	6.7	9.6	6.5	9.4	6.3	9.2	6.1	9.2	6.1	8.9	5.8	8.9	5.7	8.6	5.5	8.5	5.4	8.4	5.3	8.8	5.5	9.5	6.0	10.3	6.7	10.9	7.3	11.4	7.6	11.8	7.9	12.1	8.2	12.2	8.3	12.6	8.6	13.3	8.9	14.0	9.3	14.0	9.2	13.5	8.9	12.6	8.2
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.6	6.1	8.2	5.9	8.1	5.8	8.1	5.7	8.0	5.6	8.0	5.6	7.9	5.6	7.9	5.5	7.8	5.4	7.8	5.4	7.8	5.4	8.0	5.5	8.3	5.7	8.4	5.9	8.6	6.0	8.7	6.1	8.8	6.2	8.9	6.3	9.0	6.3	9.0	6.4	9.0	6.4	8.9	6.3	8.8	6.3	8.8	6.3
NE	10.5	7.0	10.3	6.9	10.3	6.8	10.2	6.8	10.1	6.7	10.1	6.7	10.0	6.6	10.0	6.6	9.9	6.5	9.9	6.5	9.9	6.5	10.3	6.7	10.9	7.0	11.4	7.4	11.4	7.5	11.3	7.4	11.1	7.4	11.0	7.4	11.1	7.4	11.1	7.5	11.1	7.4	11.0	7.4	10.9	7.3	10.7	7.2
E	12.3	7.9	12.1	7.8	12.0	7.7	12.0	7.7	11.9	7.6	11.9	7.6	11.8	7.5	11.8	7.5	11.7	7.4	11.7	7.4	11.7	7.3	12.1	7.6	12.8	8.0	13.5	8.4	13.7	8.6	13.5	8.6	13.3	8.5	13.0	8.4	12.9	8.3	12.9	8.4	12.9	8.3	12.8	8.3	12.7	8.2	12.5	8.1
SE	12.3	7.9	12.2	7.8	12.1	7.7	12.0	7.7	11.9	7.6	12.0	7.6	11.9	7.5	11.8	7.5	11.8	7.4	11.7	7.4	11.7	7.4	12.0	7.5	12.5	7.8	13.1	8.2	13.4	8.5	13.5	8.5	13.5	8.6	13.3	8.5	13.1	8.4	13.0	8.4	12.9	8.3	12.8	8.3	12.7	8.2	12.6	8.1
S	9.8	6.7	9.6	6.6	9.5	6.5	9.5	6.4	9.4	6.3	9.4	6.3	9.3	6.3	9.3	6.2	9.2	6.2	9.2	6.1	9.2	6.1	9.3	6.2	9.5	6.3	9.8	6.6	10.1	6.8	10.4	7.0	10.7	7.1	10.8	7.3	10.8	7.3	10.8	7.3	10.6	7.2	10.4	7.1	10.2	7.0	10.0	6.9
SW	11.8	7.7	11.3	7.4	11.2	7.3	11.1	7.2	11.1	7.2	11.1	7.2	11.0	7.1	11.0	7.1	10.9	7.0	10.9	7.0	10.8	6.9	10.9	7.0	11.2	7.2	11.4	7.4	11.6	7.6	11.8	7.7	11.9	7.8	12.2	7.9	12.5	8.1	12.7	8.2	12.8	8.3	12.8	8.3	12.5	8.1	12.2	7.9
W	13.0	8.3	12.1	7.8	12.0	7.7	11.9	7.6	11.8	7.6	11.9	7.6	11.8	7.5	11.7	7.4	11.7	7.4	11.6	7.3	11.6	7.3	11.7	7.4	11.9	7.6	12.2	7.8	12.4	7.9	12.5	8.1	12.7	8.2	12.8	8.2	13.0	8.4	13.3	8.6	13.6	8.7	13.8	8.8	13.7	8.7	13.4	8.5
NW	11.3	7.4	10.5	7.0	10.4	6.9	10.3	6.8	10.2	6.8	10.3	6.8	10.2	6.7	10.1	6.6	10.1	6.6	10.0	6.5	10.0	6.5	10.1	6.6	10.3	6.8	10.6	7.0	10.8	7.1	10.9	7.3	11.1	7.4	11.2	7.4	11.2	7.5	11.3	7.6	11.6	7.7	11.8	7.8	11.8	7.8	11.6	7.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.7	6.2	8.2	5.8	8.0	5.7	7.9	5.6	7.9	5.5	7.9	5.5	7.8	5.4	7.7	5.4	7.6	5.3	7.6	5.2	7.5	5.2	7.9	5.4	8.2	5.6	8.4	5.9	8.6	6.1	8.8	6.2	9.0	6.4	9.1	6.5	9.2	6.5	9.2	6.6	9.2	6.5	9.0	6.5	9.0	6.4	9.0	6.4
NE	10.4	7.0	10.2	6.9	10.1	6.8	10.0	6.7	9.9	6.6	10.0	6.6	9.8	6.5	9.8	6.4	9.7	6.3	9.7	6.3	9.6	6.2	10.2	6.6	11.0	7.0	11.7	7.5	11.7	7.6	11.5	7.6	11.2	7.5	11.2	7.5	11.2	7.5	11.3	7.6	11.3	7.6	11.1	7.5	11.0	7.4	10.8	7.3
E	12.2	7.9	12.0	7.8	11.9	7.6	11.8	7.5	11.7	7.5	11.7	7.5	11.6	7.3	11.6	7.3	11.5	7.2	11.4	7.2	11.4	7.1	12.0	7.5	12.9	8.0	13.9	8.6	14.1	8.8	13.9	8.8	13.6	8.7	13.2	8.5	13.0	8.4	13.1	8.5	13.0	8.5	12.9	8.4	12.7	8.3	12.5	8.2
SE	12.2	7.9	12.0	7.8	11.9	7.7	11.8	7.6	11.8	7.5	11.8	7.5	11.6	7.4	11.6	7.3	11.5	7.2	11.5	7.2	11.4	7.1	11.8	7.3	12.5	7.8	13.3	8.3	13.8	8.6	13.9	8.8	13.8	8.8	13.6	8.7	13.3	8.6	13.1	8.5	13.1	8.5	12.9	8.4	12.8	8.3	12.6	8.2
S	9.7	6.7	9.5	6.5	9.4	6.4	9.3	6.3	9.2	6.2	9.3	6.2	9.1	6.1	9.1	6.1	9.0	6.0	9.0	5.9	8.9	5.9	9.0	6.0	9.4	6.2	9.7	6.5	10.2	6.8	10.6	7.1	10.9	7.3	11.1	7.5	11.1	7.5	11.1	7.5	10.9	7.4	10.6	7.2	10.3	7.1	10.1	6.9
SW	11.8	7.7	11.2	7.3	11.1	7.2	11.0	7.1	10.9	7.0	10.9	7.1	10.8	6.9	10.7	6.9	10.6	6.8	10.6	6.8	10.6	6.7	10.7	6.8	11.0	7.0	11.3	7.3	11.6	7.6	11.8	7.7	12.0	7.9	12.4	8.1	12.8	8.3	13.1	8.5	13.2	8.5	13.2	8.6	12.9	8.4	12.4	8.1
W	13.1	8.4	11.9	7.7	11.8	7.6	11.7	7.5	11.6	7.4	11.7	7.4	11.5	7.3	11.5	7.3	11.4	7.2	11.4	7.1	11.3	7.1	11.4	7.2	11.8	7.4	12.1	7.7	12.4	8.0	12.6	8.1	12.8	8.2	12.9	8.3	13.2	8.5	13.7	8.8	14.0	9.0	14.3	9.1	14.1	9.0	13.7	8.7
NW	11.5	7.6	10.4	6.9	10.2	6.8	10.2	6.7	10.1	6.6	10.1	6.6	10.0	6.5	9.9	6.5	9.8	6.4	9.8	6.3	9.7	6.3	9.9	6.4	10.2	6.6	10.5	6.9	10.8	7.2	11.0	7.3	11.2	7.5	11.3	7.6	11.4	7.6	11.6	7.7	11.9	7.9	12.2	8.0	12.2	8.0	11.9	7.9
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.9	6.3	8.0	5.8	7.9	5.6	7.7	5.5	7.6	5.4	7.6	5.4	7.4	5.2	7.4	5.1	7.2	5.0	7.2	4.9	7.1	4.9	7.6	5.1	8.1	5.5	8.4	5.9	8.7	6.1	9.0	6.4	9.3	6.6	9.5	6.7	9.5	6.8	9.6	6.9	9.6	6.9	9.3	6.7	9.3	6.7	9.2	6.6
NE	10.4	7.0	10.1	6.8	9.9	6.6	9.8	6.5	9.6	6.4	9.6	6.4	9.5	6.2	9.4	6.1	9.2	6.0	9.2	5.9	9.1	5.9	10.1	6.4	11.2	7.1	12.2	7.7	12.3	7.9	11.9	7.8	11.5	7.7	11.5	7.7	11.6	7.8	11.7	7.9	11.6	7.9	11.4	7.8	11.2	7.6	10.9	7.4
E	12.1	7.9	11.8	7.6	11.6	7.5	11.5	7.3	11.3	7.2	11.3	7.2	11.2	7.0	11.1	7.0	11.0	6.8	10.9	6.8	10.8	6.7	11.8	7.2	13.2	8.0	14.5	8.9	14.8	9.2	14.6	9.2	14.2	9.0	13.6	8.8	13.3	8.6	13.4	8.8	13.3	8.7	13.1	8.6	12.9	8.5	12.6	8.3
SE	12.1	7.9	11.8	7.7	11.7	7.5	11.5	7.4	11.4	7.2	11.4	7.3	11.2	7.1	11.2	7.0	11.0	6.9	11.0	6.8	10.9	6.7	11.4	7.1	12.5	7.7	13.8	8.5	14.4	9.0	14.6	9.1	14.5	9.2	14.2	9.1	13.7	8.9	13.4	8.8	13.3	8.7	13.1	8.6	12.9	8.5	12.6	8.3
S	9.7	6.7	9.4	6.5	9.2	6.3	9.1	6.1	8.9	6.0	9.0	6.0	8.8	5.9	8.7	5.8	8.6	5.6	8.5	5.6	8.4	5.5	8.7	5.7	9.1	6.0	9.6	6.5	10.3	6.9	11.0	7.3	11.5	7.7	11.8	7.9	11.8	7.9	11.7	7.9	11.4	7.8	10.9	7.5	10.5	7.3	10.2	7.1
SW	11.9	7.8	11.0	7.2	10.8	7.1	10.7	6.9	10.5	6.8	10.5	6.8	10.4	6.6	10.3	6.6	10.1	6.4	10.1	6.4	10.0	6.3	10.2	6.4	10.7	6.8	11.2	7.2	11.6	7.6	11.9	7.8	12.2	8.0	12.8	8.4	13.3	8.7	13.8	9.0	13.9	9.0	14.0	9.1	13.5	8.8	12.8	8.4
W	13.5	8.6	11.7	7.6	11.5	7.4	11.4	7.3	11.3	7.2	11.3	7.2	11.1	7.0	11.0	7.0	10.9	6.8	10.8	6.7	10.8	6.7	11.0	6.8	11.4	7.2	12.0	7.6	12.4	8.0	12.7	8.2	12.9	8.4	13.1	8.6	13.6	8.8	14.3	9.2	14.8	9.5	15.2	9.7	15.0	9.5	14.3	9.1
NW	11.9	7.8	10.2	6.9	10.0	6.7	9.9	6.5	9.7	6.4	9.7	6.4	9.6	6.3	9.5	6.2	9.4	6.0	9.3	6.0	9.2	5.9	9.4	6.1	9.9	6.4	10.4	6.9	10.9	7.2	11.2	7.4	11.4	7.6	11.6	7.8	11.7	7.8	12.0	8.1	12.4	8.3	12.9	8.5	12.9	8.5	12.5	8.3
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	15.3	7.5	15.0	7.3	14.9	7.2	14.9	7.2	14.8	7.1	14.8	7.1	14.7	7.0	14.7	7.0	14.6	6.9	14.6	6.9	14.6	6.9	14.8	7.0	15.2	7.3	15.8	7.6	16.3	8.0	16.7	8.2	16.9	8.3	17.1	8.4	17.1	8.4	17.0	8.4	16.8	8.3	16.6	8.2	16.1	8.0	15.7	7.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KONYA (37.52)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																																
N	7.1	5.2	6.7	4.8	6.4	4.5	6.4	4.5	6.0	4.1	5.8	3.9	5.5	3.5	5.3	3.4	5.2	3.2	6.4	3.9	7.7	4.9	8.5	5.8	9.2	6.5	10.0	7.1	10.6	7.6	11.1	8.0	11.3	8.1	11.6	8.4	11.3	8.3	10.8	8.0	10.6	7.9	10.5	7.7	9.7	6.9	7.5	5.6
NE	8.8	6.0	8.4	5.7	8.1	5.4	8.1	5.4	7.7	4.9	7.6	4.8	7.2	4.4	7.0	4.3	6.9	4.1	9.2	5.4	12.2	7.1	14.6	8.8	14.8	9.3	14.0	9.1	12.9	8.7	12.8	8.8	13.0	9.0	13.3	9.3	13.0	9.2	12.5	8.9	12.0	8.6	11.3	8.0	10.0	7.0	9.2	6.5
E	10.2	6.7	9.9	6.4	9.6	6.1	9.6	6.1	9.1	5.7	9.0	5.5	8.6	5.1	8.5	5.0	8.3	4.8	10.7	6.1	14.2	8.2	17.7	10.4	18.4	11.1	17.9	11.0	16.7	10.6	15.2	10.1	14.4	9.7	14.7	10.0	14.5	9.9	14.0	9.6	13.5	9.3	12.7	8.8	11.4	7.8	10.7	7.2
SE	10.4	6.8	10.0	6.5	9.7	6.2	9.7	6.2	9.3	5.7	9.1	5.6	8.8	5.2	8.6	5.1	8.5	4.9	9.8	5.7	12.5	7.3	15.7	9.4	17.3	10.5	17.7	11.0	17.5	11.0	16.8	10.8	15.5	10.2	14.9	10.1	14.6	10.0	14.1	9.7	13.6	9.4	12.9	8.8	11.6	7.8	10.8	7.3
S	8.2	5.7	7.9	5.4	7.5	5.1	7.6	5.1	7.1	4.6	7.0	4.5	6.6	4.1	6.4	4.0	6.3	3.8	6.8	4.2	8.0	5.0	9.3	6.2	11.0	7.4	12.7	8.4	13.9	9.2	14.6	9.8	14.7	9.8	14.5	9.9	13.7	9.5	12.5	8.9	11.5	8.3	10.7	7.8	9.4	6.8	8.6	6.2
SW	9.5	6.4	9.2	6.1	8.9	5.7	8.9	5.8	8.5	5.3	8.3	5.2	7.9	4.8	7.8	4.6	7.6	4.5	8.1	4.8	9.3	5.7	10.6	6.8	11.7	7.7	12.5	8.3	13.1	8.8	14.6	9.7	16.0	10.5	17.1	11.2	17.5	11.4	17.7	11.5	16.4	10.7	14.6	9.7	12.4	8.3	10.0	6.8
W	10.2	6.7	9.8	6.4	9.5	6.1	9.5	6.1	9.1	5.6	8.9	5.5	8.6	5.1	8.4	5.0	8.3	4.8	8.8	5.1	10.0	6.0	11.3	7.1	12.3	8.0	13.1	8.6	13.7	9.1	14.2	9.5	15.3	10.1	17.2	11.2	18.3	11.8	19.5	12.4	18.8	12.0	17.2	11.0	15.2	9.6	10.6	7.1
NW	8.9	6.1	8.5	5.7	8.2	5.4	8.2	5.4	7.8	5.0	7.7	4.8	7.3	4.5	7.1	4.3	7.0	4.2	7.5	4.5	8.7	5.4	10.0	6.5	11.1	7.4	11.8	8.0	12.4	8.5	12.9	8.9	13.1	9.0	13.9	9.6	15.0	10.1	16.2	10.7	16.2	10.6	15.3	10.0	13.8	8.9	9.3	6.5
W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																																
N	8.6	6.1	8.5	6.0	8.3	5.9	8.3	5.8	8.2	5.8	8.2	5.8	8.2	5.8	8.2	5.7	8.1	5.7	8.1	5.7	8.1	5.7	8.1	5.7	8.2	5.7	8.3	5.8	8.4	5.9	8.5	6.0	8.5	6.0	8.6	6.1	8.6	6.1	8.7	6.1	8.7	6.2	8.7	6.1	8.6	6.1	8.6	6.1
NE	10.7	7.1	10.6	7.0	10.5	7.0	10.4	6.9	10.4	6.9	10.4	6.9	10.4	6.9	10.3	6.8	10.3	6.8	10.3	6.8	10.3	6.8	10.3	6.7	10.5	6.9	10.8	7.0	11.0	7.2	11.0	7.2	10.9	7.2	10.8	7.2	10.8	7.2	10.8	7.2	10.9	7.2	10.8	7.2	10.8	7.2	10.7	7.2
E	12.5	8.0	12.4	7.9	12.3	7.9	12.3	7.8	12.2	7.8	12.2	7.8	12.2	7.8	12.2	7.7	12.2	7.7	12.1	7.7	12.1	7.7	12.1	7.7	12.3	7.8	12.7	8.0	13.0	8.2	13.1	8.3	13.0	8.3	12.9	8.2	12.8	8.2	12.7	8.1	12.7	8.2	12.7	8.1	12.6	8.1	12.6	8.1
SE	12.5	8.0	12.4	7.9	12.3	7.9	12.3	7.8	12.3	7.8	12.2	7.8	12.2	7.8	12.2	7.7	12.2	7.7	12.1	7.7	12.1	7.7	12.1	7.7	12.2	7.7	12.5	7.9	12.8	8.1	12.9	8.2	13.0	8.2	13.0	8.3	12.9	8.2	12.8	8.2	12.7	8.2	12.7	8.1	12.6	8.1	12.6	8.1
S	9.9	6.8	9.8	6.7	9.7	6.6	9.7	6.6	9.7	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.4	9.5	6.4	9.5	6.4	9.5	6.4	9.6	6.4	9.7	6.5	9.8	6.6	10.0	6.7	10.1	6.8	10.2	6.9	10.3	6.9	10.3	6.9	10.3	7.0	10.2	6.9	10.1	6.9	10.0	6.8
SW	11.9	7.7	11.7	7.6	11.4	7.5	11.4	7.4	11.4	7.4	11.3	7.3	11.3	7.3	11.3	7.3	11.3	7.3	11.3	7.3	11.2	7.2	11.2	7.2	11.3	7.3	11.4	7.3	11.5	7.5	11.6	7.5	11.7	7.6	11.7	7.6	11.9	7.7	12.0	7.8	12.1	7.9	12.2	7.9	12.2	7.9	12.1	7.8
W	12.9	8.2	12.7	8.1	12.2	7.8	12.2	7.8	12.2	7.8	12.1	7.7	12.1	7.7	12.1	7.7	12.1	7.7	12.0	7.7	12.0	7.6	12.0	7.6	12.1	7.7	12.2	7.7	12.3	7.8	12.4	7.9	12.5	8.0	12.5	8.0	12.6	8.1	12.7	8.1	12.9	8.2	13.0	8.3	13.1	8.3	13.0	8.3
NW	11.2	7.4	11.0	7.3	10.6	7.0	10.6	7.0	10.5	7.0	10.5	6.9	10.5	6.9	10.5	6.9	10.4	6.9	10.4	6.8	10.4	6.8	10.4	6.8	10.4	6.8	10.5	6.9	10.7	7.0	10.8	7.1	10.8	7.2	10.9	7.2	10.9	7.3	11.0	7.3	11.0	7.3	11.1	7.4	11.3	7.4	11.3	7.4
W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																																
N	8.9	6.3	8.1	5.8	7.9	5.6	7.8	5.5	7.7	5.4	7.7	5.4	7.5	5.2	7.4	5.2	7.3	5.0	7.3	5.0	7.2	4.9	7.6	5.2	8.1	5.5	8.4	5.9	8.7	6.1	9.0	6.3	9.2	6.5	9.4	6.7	9.5	6.7	9.6	6.8	9.5	6.8	9.3	6.7	9.2	6.6	9.2	6.6
NE	10.4	7.0	10.1	6.8	9.9	6.7	9.8	6.5	9.7	6.4	9.7	6.4	9.5	6.3	9.5	6.2	9.3	6.1	9.3	6.0	9.2	5.9	10.1	6.4	11.2	7.1	12.1	7.7	12.2	7.8	11.9	7.8	11.5	7.7	11.4	7.7	11.5	7.7	11.6	7.9	11.5	7.8	11.3	7.7	11.1	7.6	10.9	7.4
E	12.1	7.9	11.8	7.7	11.7	7.5	11.5	7.4	11.4	7.3	11.4	7.3	11.3	7.1	11.2	7.1	11.1	6.9	11.0	6.9	10.9	6.8	11.8	7.3	13.1	8.0	14.4	8.8	14.7	9.1	14.5	9.1	14.1	8.9	13.5	8.7	13.2	8.6	13.3	8.7	13.2	8.7	13.0	8.6	12.9	8.4	12.6	8.3
SE	12.2	7.9	11.9	7.7	11.7	7.5	11.6	7.4	11.5	7.3	11.5	7.3	11.3	7.1	11.3	7.1	11.1	6.9	11.1	6.9	11.0	6.8	11.5	7.1	12.5	7.7	13.7	8.5	14.3	8.9	14.4	9.1	14.3	9.1	14.1	9.0	13.6	8.8	13.4	8.7	13.3	8.7	13.1	8.6	12.9	8.5	12.6	8.3
S	9.7	6.7	9.4	6.5	9.2	6.3	9.1	6.2	9.0	6.1	9.0	6.1	8.8	5.9	8.8	5.9	8.7	5.7	8.6	5.7	8.5	5.6	8.7	5.7	9.2	6.1	9.7	6.5	10.3	6.9	10.9	7.3	11.4	7.6	11.6	7.8	11.6	7.8	11.6	7.8	11.3	7.7	10.9	7.5	10.5	7.2	10.2	7.1
SW	11.9	7.8	11.0	7.3	10.8	7.1	10.7	7.0	10.6	6.9	10.6	6.9	10.4	6.7	10.4	6.6	10.2	6.5	10.2	6.5	10.1	6.4	10.3	6.5	10.8	6.8	11.2	7.3	11.6	7.6	11.9	7.8	12.2	8.0	12.7	8.3	13.2	8.6	13.6	8.9	13.8	8.9	13.8	9.0	13.4	8.7	12.7	8.3
W	13.4	8.6	11.7	7.6	11.6	7.5	11.5	7.3	11.3	7.2	11.4	7.2	11.2	7.1	11.1	7.0	11.0	6.9	10.9	6.8	10.9	6.8	11.1	6.9	11.5	7.2	12.0	7.6	12.4	8.0	12.7	8.2	12.9	8.4	13.1	8.5	13.5	8.7	14.2	9.1	14.6	9.4	15.0	9.6	14.8	9.4	14.2	9.1
NW	11.9	7.8	10.2	6.9	10.1	6.7	9.9	6.6	9.8	6.5	9.8	6.5	9.6	6.3	9.6	6.3	9.5	6.1	9.4	6.1	9.3	6.0	9.5	6.1	10.0	6.5	10.5	6.9	10.9	7.2	11.1	7.4	11.4	7.6	11.5	7.7	11.6	7.8	11.9	8.0	12.3	8.2	12.7	8.4	12.7	8.4	12.4	8.2
W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																																
N	8.6	6.0	8.5	6.0	8.3	5.9	8.3	5.9	8.3	5.8	8.2	5.8	8.2	5.8	8.2	5.8	8.2	5.8	8.2	5.7	8.1	5.7	8.1	5.7	8.2	5.8	8.3	5.8	8.4	5.9	8.5	6.0	8.5	6.0	8.6	6.0	8.6	6.1	8.6	6.1	8.6	6.1	8.6	6.1	8.6	6.1	8.6	6.1
NE	10.7	7.1	10.6	7.0	10.5	7.0	10.5	6.9	10.4	6.9	10.4	6.9	10.4	6.9	10.4	6.9	10.4	6.8	10.3	6.8	10.3	6.8	10.3	6.8	10.5	6.9	10.7	7.0	10.9	7.2	10.9	7.2	10.9	7.2	10.8	7.2	10.8	7.2	10.8	7.2	10.8	7.2	10.8	7.2	10.8	7.2	10.7	7.1
E	12.5	8.0	12.4	7.9	12.3	7.9	12.3	7.9	12.3	7.8	12.3	7.8	12.3	7.8	12.2	7.8	12.2	7.8	12.2	7.7	12.2	7.7	12.2	7.7	12.3	7.8	12.6	8.0	12.9	8.1	13.0	8.2	12.9	8.2	12.8	8.2	12.7	8.1	12.6	8.1	12.7	8.1	12.6	8.1	12.6	8.1	12.6	8.1
SE	12.5	8.0	12.4	7.9	12.4	7.9	12.3	7.9	12.3	7.8	12.3	7.8	12.3	7.8	12.2	7.8	12.2	7.8	12.2	7.7	12.2	7.7	12.2	7.7	12.3	7.8	12.5	7.9	12.7	8.1	12.9	8.2	12.9	8.2	12.9	8.2	12.8	8.2	12.7	8.1	12.7	8.1	12.7	8.1	12.6	8.1	12.6	8.1
S	9.9	6.7	9.8	6.7	9.8	6.6	9.7	6.6	9.7	6.5	9.7	6.5	9.7	6.5	9.6	6.5	9.6	6.5	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.5	9.7	6.5	9.8	6.6	9.9	6.7	10.1	6.8	10.2	6.8	10.2	6.9	10.2	6.9	10.2	6.9	10.2	6.9	10.1	6.8	10.0	6.8
SW	11.8	7.7	11.7	7.6	11.5	7.5	11.4	7.4	11.4	7.4	11.4	7.4	11.4	7.4	11.4	7.3	11.3	7.3	11.3	7.3	11.3	7.3	11.3	7.3	11.3	7.3	11.4	7.4	11.5	7.5	11.6	7.5	11.7	7.6	11.7	7.6	11.8	7.7	11.9	7.7	12.0	7.8	12.1	7.8	12.1	7.8	12.0	7.8
W	12.8	8.2	12.6	8.1	12.3	7.9	12.2	7.8	12.2	7.8	12.2	7.8	12.2	7.8	12.2	7.7	12.1	7.7	12.1	7.7	12.1	7.7	12.1	7.7	12.1	7.7	12.2	7.8	12.3	7.9	12.4	7.9	12.5	8.0	12.5	8.0	12.6	8.0	12.6	8.1	12.8	8.2	12.9	8.2	13.0	8.3	12.9	8.2
NW	11.1	7.3	11.0	7.2	10.6	7.0	10.6	7.0	10.6	7.0	10.5	7.0	10.5	7.0	10.5	6.9	10.5	6.9	10.5	6.9	10.5	6.9	10.4	6.9	10.5	6.9	10.6	7.0	10.7	7.0	10.8	7.1	10.8	7.2	10.9	7.2	10.9	7.2	10.9	7.2	11.0	7.3	11.1	7.3	11.2	7.4	11.2	7.4
R2 - 12cm Concrete+2 cm plaster																																																
R	6.2	2.0	6.2	2.0	5.3	1.1	5.0	0.8	4.2	0.0	3.9	-0.3	3.6	-0.6	5.5	0.5	10.8	3.8	18.0	8.3	23.7	12.0	27.9	14.5	30.9	16.4	32.6	17.5	32.3	17.5	31.3	17.3	29.0	16.2	26.4	14.8	21.6	12.3	16.6	9.5	11.3	6.1	8.5	4.3	7.5	3.4	6.8	2.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KÜTAHYA (37.52)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.5	3.4	5.3	3.1	5.1	2.9	4.9	2.7	5.2	3.0	4.5	2.4	4.4	2.2	4.2	2.1	4.1	1.9	4.0	1.8	4.1	1.9	4.8	2.3	5.7	3.0	6.5	3.7	7.3	4.4	7.8	4.9	8.1	5.1	8.3	5.3	8.4	5.3	8.1	5.2	7.8	5.1	7.4	4.7	7.2	4.5	6.9	4.2
NE	6.0	3.6	5.7	3.3	5.5	3.1	5.3	3.0	5.7	3.3	5.0	2.6	4.8	2.5	4.7	2.3	4.6	2.2	4.4	2.1	4.6	2.2	5.4	2.6	7.0	3.7	8.1	4.5	8.4	5.0	8.4	5.1	8.6	5.3	8.8	5.5	8.8	5.6	8.6	5.5	8.3	5.3	7.8	4.9	7.2	4.5	6.4	4.0
E	6.9	4.1	6.7	3.8	6.4	3.6	6.3	3.4	6.6	3.7	5.9	3.0	5.8	2.9	5.6	2.7	5.5	2.6	5.4	2.5	5.6	2.6	6.4	3.1	8.3	4.3	9.9	5.4	10.4	5.9	10.3	6.1	9.9	6.0	9.7	6.0	9.7	6.0	9.5	5.9	9.2	5.8	8.7	5.4	8.1	5.0	7.4	4.4
SE	6.9	4.0	6.6	3.8	6.4	3.6	6.2	3.4	6.6	3.7	5.9	3.0	5.7	2.9	5.6	2.7	5.5	2.6	5.3	2.5	5.5	2.6	6.2	3.1	7.9	4.1	9.5	5.2	10.3	5.9	10.7	6.3	10.6	6.3	10.2	6.2	9.7	6.0	9.5	5.9	9.2	5.7	8.7	5.4	8.1	5.0	7.3	4.4
S	6.8	4.0	6.5	3.7	6.3	3.5	6.1	3.3	6.4	3.7	5.7	3.0	5.6	2.8	5.4	2.7	5.3	2.6	5.2	2.4	5.3	2.5	6.0	2.9	6.9	3.6	8.1	4.5	9.2	5.3	10.0	5.9	10.5	6.3	10.7	6.5	10.4	6.4	10.1	6.2	9.4	5.9	8.6	5.3	8.0	4.9	7.2	4.3
SW	8.0	4.6	7.8	4.4	7.6	4.1	7.4	4.0	7.7	4.3	7.0	3.6	6.9	3.5	6.7	3.3	6.6	3.2	6.5	3.1	6.6	3.1	7.2	3.6	8.1	4.3	9.0	5.0	9.8	5.6	10.3	6.1	11.1	6.6	11.9	7.1	12.1	7.2	12.5	7.4	12.1	7.2	11.7	6.9	10.8	6.3	9.7	5.6
W	8.6	4.9	8.3	4.6	8.1	4.4	7.9	4.2	8.2	4.6	7.6	3.9	7.4	3.7	7.3	3.6	7.2	3.5	7.0	3.4	7.1	3.4	7.8	3.8	8.7	4.5	9.6	5.2	10.3	5.9	10.9	6.4	11.2	6.6	11.8	7.0	12.3	7.3	13.0	7.7	13.1	7.7	13.1	7.6	12.5	7.2	11.6	6.5
NW	7.4	4.3	7.2	4.1	6.9	3.8	6.8	3.7	7.1	4.0	6.4	3.3	6.3	3.2	6.1	3.0	6.0	2.9	5.9	2.8	6.0	2.8	6.6	3.3	7.5	3.9	8.4	4.7	9.1	5.3	9.7	5.8	10.0	6.0	10.2	6.2	10.3	6.3	10.8	6.6	11.0	6.6	11.1	6.6	10.9	6.4	10.3	5.9
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	6.3	3.8	5.9	3.5	5.8	3.4	5.8	3.3	5.7	3.3	5.8	3.4	5.6	3.2	5.5	3.1	5.5	3.1	5.4	3.0	5.4	3.0	5.5	3.0	5.7	3.2	5.9	3.4	6.2	3.6	6.5	3.8	6.6	4.0	6.7	4.1	6.8	4.1	6.8	4.1	6.7	4.1	6.6	4.0	6.5	3.9	6.4	3.9
NE	6.5	3.9	6.4	3.7	6.3	3.7	6.2	3.6	6.2	3.5	6.3	3.6	6.1	3.4	6.0	3.4	6.0	3.3	5.9	3.3	5.9	3.2	6.0	3.3	6.2	3.4	6.7	3.8	7.1	4.0	7.2	4.2	7.2	4.2	7.2	4.3	7.3	4.4	7.3	4.4	7.2	4.3	7.1	4.3	7.0	4.2	6.8	4.0
E	7.6	4.4	7.4	4.3	7.3	4.2	7.3	4.1	7.2	4.1	7.3	4.2	7.1	3.9	7.1	3.9	7.0	3.8	7.0	3.8	6.9	3.8	7.0	3.8	7.2	4.0	7.9	4.3	8.4	4.7	8.5	4.9	8.5	4.9	8.4	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.2	4.8	8.0	4.7	7.8	4.6
SE	7.6	4.4	7.4	4.3	7.3	4.2	7.3	4.1	7.2	4.0	7.3	4.1	7.1	3.9	7.0	3.9	7.0	3.8	7.0	3.8	6.9	3.8	7.0	3.8	7.2	3.9	7.7	4.3	8.3	4.6	8.5	4.8	8.6	5.0	8.6	5.0	8.5	5.0	8.3	4.9	8.3	4.9	8.2	4.8	8.0	4.7	7.8	4.6
S	7.4	4.3	7.3	4.2	7.2	4.1	7.1	4.0	7.0	4.0	7.1	4.1	6.9	3.8	6.9	3.8	6.8	3.7	6.8	3.7	6.8	3.7	6.8	3.7	7.0	3.8	7.3	4.1	7.7	4.3	8.0	4.6	8.3	4.8	8.5	4.9	8.5	5.0	8.4	4.9	8.3	4.9	8.1	4.8	7.8	4.6	7.6	4.5
SW	9.2	5.2	8.7	4.9	8.6	4.8	8.5	4.7	8.4	4.7	8.5	4.8	8.3	4.5	8.3	4.5	8.2	4.4	8.2	4.4	8.2	4.4	8.2	4.4	8.4	4.5	8.7	4.8	9.0	5.0	9.2	5.2	9.4	5.3	9.7	5.5	9.9	5.7	10.0	5.7	10.1	5.8	10.0	5.7	9.8	5.6	9.6	5.4
W	10.3	5.7	9.3	5.2	9.2	5.1	9.1	5.0	9.1	5.0	9.2	5.1	8.9	4.9	8.9	4.8	8.8	4.8	8.8	4.7	8.8	4.7	8.8	4.7	9.0	4.8	9.3	5.1	9.6	5.3	9.8	5.5	10.0	5.7	10.1	5.7	10.3	5.9	10.5	6.0	10.7	6.1	10.7	6.1	10.7	6.0	10.5	5.9
NW	8.9	5.0	8.0	4.5	7.9	4.5	7.8	4.4	7.8	4.3	7.9	4.4	7.6	4.2	7.6	4.2	7.5	4.1	7.5	4.1	7.5	4.0	7.5	4.1	7.7	4.2	8.0	4.4	8.3	4.6	8.5	4.9	8.7	5.0	8.8	5.1	8.9	5.2	8.9	5.2	9.1	5.3	9.1	5.3	9.2	5.3	9.1	5.2
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	6.4	3.8	5.8	3.5	5.7	3.4	5.6	3.3	5.6	3.2	5.7	3.3	5.4	3.0	5.3	3.0	5.3	2.9	5.2	2.9	5.2	2.8	5.2	2.8	5.5	3.0	5.9	3.3	6.3	3.6	6.6	3.9	6.8	4.1	7.0	4.2	7.1	4.3	7.1	4.3	7.0	4.3	6.8	4.2	6.6	4.1	6.6	4.0
NE	6.5	3.9	6.3	3.7	6.2	3.6	6.1	3.5	6.0	3.4	6.2	3.6	5.9	3.3	5.8	3.2	5.7	3.1	5.7	3.1	5.7	3.0	5.7	3.1	6.1	3.3	6.8	3.8	7.3	4.1	7.4	4.3	7.4	4.4	7.5	4.5	7.5	4.6	7.6	4.6	7.5	4.5	7.3	4.5	7.1	4.3	6.9	4.1
E	7.5	4.4	7.3	4.2	7.2	4.1	7.1	4.0	7.1	3.9	7.2	4.1	6.9	3.8	6.8	3.7	6.8	3.6	6.7	3.6	6.7	3.6	6.8	3.6	7.1	3.8	7.9	4.3	8.6	4.8	8.8	5.0	8.8	5.1	8.6	5.1	8.6	5.1	8.6	5.1	8.5	5.0	8.3	5.0	8.1	4.8	7.9	4.6
SE	7.5	4.4	7.3	4.2	7.2	4.1	7.1	4.0	7.0	3.9	7.2	4.1	6.9	3.8	6.8	3.7	6.7	3.6	6.7	3.6	6.7	3.5	6.7	3.6	7.0	3.8	7.8	4.3	8.5	4.7	8.8	5.0	9.0	5.2	8.9	5.2	8.8	5.2	8.6	5.1	8.5	5.0	8.3	5.0	8.1	4.8	7.9	4.6
S	7.4	4.3	7.2	4.1	7.1	4.0	7.0	3.9	6.9	3.9	7.0	4.0	6.7	3.7	6.7	3.6	6.6	3.6	6.5	3.5	6.5	3.5	6.5	3.5	6.8	3.7	7.2	4.0	7.7	4.4	8.2	4.7	8.6	5.0	8.8	5.1	8.9	5.2	8.7	5.2	8.6	5.1	8.3	5.0	8.0	4.7	7.7	4.5
SW	9.3	5.2	8.5	4.8	8.4	4.7	8.3	4.6	8.3	4.5	8.4	4.7	8.1	4.4	8.1	4.3	8.0	4.3	7.9	4.2	7.9	4.2	7.9	4.2	8.2	4.4	8.6	4.7	9.0	5.0	9.3	5.3	9.6	5.5	9.9	5.7	10.2	5.9	10.3	6.0	10.5	6.0	10.3	6.0	10.1	5.8	9.8	5.6
W	10.5	5.8	9.2	5.1	9.0	5.0	9.0	4.9	8.9	4.9	9.0	5.0	8.7	4.7	8.7	4.6	8.6	4.6	8.5	4.5	8.5	4.5	8.5	4.5	8.8	4.7	9.2	5.0	9.6	5.3	9.9	5.6	10.2	5.8	10.3	5.9	10.5	6.1	10.8	6.2	11.1	6.4	11.1	6.3	11.1	6.3	10.9	6.1
NW	9.1	5.2	7.9	4.5	7.8	4.4	7.7	4.3	7.6	4.2	7.7	4.4	7.4	4.1	7.4	4.0	7.3	3.9	7.3	3.9	7.2	3.8	7.3	3.8	7.5	4.0	7.9	4.3	8.3	4.6	8.6	4.9	8.9	5.1	9.0	5.3	9.1	5.3	9.1	5.4	9.3	5.5	9.4	5.5	9.5	5.5	9.4	5.4
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	6.6	4.0	5.7	3.4	5.6	3.3	5.4	3.1	5.3	3.0	5.5	3.2	5.1	2.8	5.0	2.7	4.9	2.6	4.8	2.5	4.7	2.4	4.8	2.5	5.2	2.8	5.8	3.2	6.4	3.7	6.9	4.1	7.2	4.4	7.4	4.6	7.5	4.7	7.6	4.7	7.4	4.7	7.2	4.5	6.9	4.3	6.8	4.2
NE	6.5	3.9	6.2	3.7	6.0	3.5	5.9	3.4	5.8	3.3	6.0	3.5	5.5	3.0	5.5	2.9	5.3	2.8	5.3	2.7	5.2	2.7	5.3	2.7	5.8	3.1	6.9	3.7	7.6	4.3	7.8	4.6	7.8	4.7	7.9	4.8	8.0	4.9	8.0	4.9	7.9	4.9	7.7	4.8	7.4	4.5	7.0	4.3
E	7.5	4.4	7.2	4.2	7.0	4.0	6.9	3.9	6.8	3.7	7.0	3.9	6.5	3.5	6.4	3.4	6.3	3.3	6.2	3.2	6.2	3.2	6.3	3.2	6.8	3.6	8.1	4.3	9.1	5.0	9.4	5.4	9.4	5.5	9.1	5.4	9.0	5.4	9.0	5.4	8.9	5.4	8.7	5.3	8.3	5.0	8.0	4.8
SE	7.5	4.4	7.2	4.1	7.0	4.0	6.9	3.8	6.7	3.7	6.9	3.9	6.5	3.5	6.4	3.4	6.3	3.3	6.2	3.2	6.2	3.2	6.3	3.2	6.7	3.5	7.8	4.2	8.9	4.9	9.4	5.4	9.6	5.6	9.6	5.6	9.3	5.6	9.0	5.4	8.8	5.4	8.7	5.3	8.3	5.0	7.9	4.8
S	7.3	4.3	7.0	4.1	6.9	3.9	6.7	3.8	6.6	3.7	6.8	3.9	6.3	3.4	6.3	3.3	6.1	3.2	6.1	3.2	6.0	3.1	6.1	3.1	6.5	3.4	7.1	3.8	7.9	4.4	8.6	5.0	9.1	5.4	9.4	5.6	9.6	5.7	9.4	5.6	9.2	5.5	8.7	5.3	8.2	5.0	7.8	4.7
SW	9.4	5.4	8.3	4.7	8.2	4.6	8.0	4.4	7.9	4.3	8.1	4.5	7.7	4.1	7.6	4.0	7.5	3.9	7.4	3.8	7.3	3.7	7.4	3.8	7.8	4.1	8.4	4.5	9.0	5.0	9.5	5.4	9.8	5.7	10.4	6.0	10.9	6.4	11.0	6.4	11.2	6.6	11.0	6.4	10.7	6.2	10.2	5.9
W	10.9	6.1	8.9	5.0	8.8	4.9	8.6	4.7	8.5	4.6	8.7	4.8	8.3	4.4	8.2	4.3	8.1	4.2	8.0	4.1	7.9	4.0	8.0	4.1	8.4	4.4	9.0	4.8	9.6	5.3	10.1	5.7	10.4	6.0	10.6	6.2	11.0	6.4	11.4	6.6	11.8	6.9	11.9	6.9	11.8	6.8	11.5	6.5
NW	9.6	5.4	7.7	4.4	7.5	4.3	7.4	4.1	7.3	4.0	7.5	4.2	7.0	3.8	7.0	3.7	6.8	3.6	6.8	3.5	6.7	3.4	6.8	3.5	7.2	3.7	7.8	4.2	8.3	4.7	8.8	5.1	9.2	5.4	9.4	5.6	9.5	5.7	9.6	5.7	9.9	5.9	10.0	5.9	10.1	5.9	9.9	5.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	10.2	3.7	9.9	3.6	9.9	3.5	9.8	3.4	9.7	3.4	9.8	3.5	9.6	3.3	9.6	3.2	9.5	3.2	9.5	3.1	9.5	3.1	9.5	3.1	9.8	3.3	10.3	3.6	10.9	4.0	11.3	4.3	11.6	4.5	11.8	4.6	11.8	4.7	11.6	4.6	11.6	4.6	11.3	4.4	11.0	4.2	10.6	4.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :KÜTAHYA (37.52)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	4.8	2.9	4.4	2.5	4.1	2.2	4.7	2.7	3.5	1.6	3.3	1.4	3.0	1.1	2.9	0.9	2.7	0.7	2.9	0.8	4.0	1.6	5.4	2.7	6.8	3.8	8.1	4.9	9.0	5.7	9.5	6.1	9.8	6.4	9.8	6.5	9.5	6.3	9.0	6.0	8.2	5.5	8.0	5.2	7.4	4.6	5.2	3.2
NE	5.2	3.1	4.8	2.7	4.5	2.4	5.1	2.9	3.9	1.8	3.7	1.6	3.4	1.3	3.3	1.1	3.1	0.9	3.4	1.1	4.6	1.9	7.3	3.6	9.1	5.0	9.6	5.7	9.6	6.0	9.9	6.3	10.2	6.6	10.2	6.7	9.9	6.5	9.4	6.2	8.6	5.7	7.6	5.0	6.3	4.0	5.6	3.4
E	6.0	3.5	5.7	3.1	5.4	2.8	5.9	3.3	4.8	2.2	4.5	2.0	4.2	1.7	4.1	1.5	3.9	1.3	4.2	1.5	5.5	2.3	8.7	4.3	11.3	6.1	12.1	6.9	12.0	7.2	11.4	7.1	11.0	7.0	11.0	7.1	10.7	6.9	10.2	6.7	9.4	6.1	8.4	5.4	7.2	4.5	6.4	3.9
SE	6.0	3.4	5.6	3.1	5.3	2.8	5.8	3.3	4.7	2.2	4.5	2.0	4.2	1.7	4.0	1.5	3.8	1.3	4.1	1.4	5.3	2.2	8.0	4.0	10.7	5.8	12.0	6.9	12.6	7.5	12.4	7.6	11.8	7.4	11.0	7.1	10.6	6.9	10.2	6.6	9.3	6.1	8.4	5.4	7.1	4.4	6.4	3.8
S	5.9	3.4	5.5	3.0	5.2	2.7	5.7	3.3	4.6	2.1	4.4	1.9	4.1	1.6	3.9	1.5	3.8	1.3	3.9	1.4	5.0	2.1	6.5	3.2	8.4	4.7	10.3	6.0	11.6	7.0	12.4	7.6	12.7	7.9	12.2	7.7	11.8	7.5	10.7	6.9	9.2	6.0	8.3	5.3	7.0	4.4	6.3	3.8
SW	7.0	4.0	6.6	3.6	6.4	3.3	6.9	3.8	5.7	2.7	5.5	2.5	5.2	2.2	5.1	2.0	4.9	1.8	5.1	1.9	6.1	2.6	7.6	3.8	9.0	5.0	10.3	6.0	11.2	6.8	12.6	7.7	13.8	8.4	14.1	8.6	14.7	9.0	14.2	8.6	13.4	8.1	12.0	7.2	10.1	5.9	7.4	4.3
W	7.5	4.2	7.1	3.8	6.9	3.6	7.4	4.1	6.2	2.9	6.0	2.7	5.7	2.4	5.6	2.3	5.4	2.1	5.6	2.2	6.6	2.9	8.1	4.0	9.5	5.2	10.8	6.3	11.7	7.0	12.2	7.5	13.1	8.1	14.1	8.6	15.2	9.2	15.3	9.2	15.3	9.0	14.3	8.4	12.9	7.3	7.9	4.6
NW	6.5	3.7	6.1	3.3	5.8	3.0	6.3	3.6	5.2	2.4	5.0	2.2	4.7	1.9	4.5	1.8	4.3	1.6	4.5	1.7	5.6	2.4	7.1	3.5	8.5	4.7	9.7	5.7	10.7	6.5	11.1	6.9	11.4	7.3	11.6	7.4	12.4	7.8	12.8	7.9	13.0	7.9	12.5	7.5	11.6	6.7	6.9	4.1
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.3	3.7	6.2	3.7	6.0	3.5	6.0	3.5	5.9	3.5	5.9	3.4	5.9	3.5	5.8	3.4	5.8	3.3	5.8	3.3	5.8	3.3	5.8	3.3	5.8	3.3	5.9	3.4	6.0	3.5	6.1	3.6	6.3	3.7	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.3	3.7
NE	6.7	3.9	6.6	3.8	6.5	3.8	6.5	3.7	6.4	3.7	6.4	3.7	6.4	3.7	6.3	3.6	6.3	3.6	6.3	3.6	6.3	3.6	6.3	3.5	6.3	3.6	6.4	3.6	6.7	3.8	6.8	3.9	6.9	4.0	6.9	4.0	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.0	6.8	4.0
E	7.7	4.5	7.6	4.4	7.6	4.3	7.5	4.3	7.5	4.2	7.4	4.2	7.5	4.3	7.4	4.1	7.4	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.5	4.2	7.8	4.3	8.0	4.5	8.1	4.6	8.1	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	7.9	4.6	7.8	4.5
SE	7.7	4.5	7.6	4.4	7.5	4.3	7.5	4.3	7.5	4.2	7.4	4.2	7.5	4.3	7.4	4.1	7.4	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.3	4.1	7.4	4.1	7.7	4.3	8.0	4.5	8.1	4.6	8.1	4.7	8.1	4.7	8.1	4.6	8.0	4.6	8.0	4.6	7.9	4.6	7.8	4.5
S	7.6	4.4	7.4	4.3	7.4	4.2	7.3	4.2	7.3	4.1	7.3	4.1	7.3	4.2	7.2	4.1	7.2	4.0	7.2	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.2	4.1	7.4	4.2	7.6	4.3	7.8	4.4	7.9	4.5	8.0	4.6	8.0	4.6	7.9	4.6	7.9	4.6	7.8	4.5	7.7	4.4
SW	9.2	5.2	9.1	5.1	8.8	4.9	8.8	4.9	8.7	4.9	8.7	4.8	8.8	4.9	8.6	4.8	8.6	4.8	8.6	4.7	8.6	4.7	8.6	4.7	8.6	4.7	8.7	4.8	8.8	4.9	9.0	5.0	9.1	5.1	9.2	5.2	9.3	5.3	9.4	5.3	9.4	5.3	9.5	5.4	9.5	5.3	9.4	5.3
W	10.1	5.6	9.9	5.5	9.4	5.3	9.4	5.2	9.4	5.2	9.3	5.2	9.4	5.2	9.3	5.1	9.3	5.1	9.2	5.0	9.2	5.0	9.2	5.0	9.2	5.0	9.3	5.1	9.5	5.2	9.6	5.3	9.7	5.4	9.8	5.5	9.9	5.5	9.9	5.6	10.0	5.6	10.1	5.7	10.2	5.7	10.2	5.7
NW	8.7	4.9	8.6	4.8	8.1	4.6	8.1	4.5	8.0	4.5	8.0	4.5	8.1	4.5	8.0	4.4	7.9	4.4	7.9	4.4	7.9	4.4	7.9	4.3	7.9	4.4	8.0	4.4	8.1	4.5	8.3	4.6	8.4	4.7	8.5	4.8	8.5	4.9	8.5	4.9	8.6	4.9	8.6	4.9	8.7	5.0	8.7	4.9
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	6.6	3.9	5.8	3.4	5.6	3.3	5.5	3.2	5.4	3.1	5.6	3.2	5.1	2.8	5.1	2.8	4.9	2.6	4.9	2.6	4.8	2.5	4.9	2.6	5.3	2.8	5.8	3.2	6.3	3.7	6.8	4.1	7.1	4.3	7.3	4.5	7.4	4.6	7.5	4.6	7.3	4.6	7.2	4.5	6.9	4.3	6.8	4.2
NE	6.5	3.9	6.2	3.7	6.1	3.5	5.9	3.4	5.8	3.3	6.0	3.5	5.6	3.1	5.5	3.0	5.4	2.9	5.4	2.8	5.3	2.7	5.4	2.8	5.9	3.1	6.8	3.7	7.5	4.3	7.7	4.5	7.7	4.6	7.8	4.7	7.9	4.8	7.9	4.9	7.8	4.8	7.6	4.7	7.3	4.5	7.0	4.3
E	7.5	4.4	7.2	4.2	7.1	4.0	6.9	3.9	6.8	3.8	7.0	4.0	6.6	3.6	6.5	3.5	6.4	3.4	6.3	3.3	6.3	3.2	6.4	3.3	6.9	3.6	8.1	4.3	9.0	5.0	9.3	5.3	9.3	5.4	9.0	5.4	8.9	5.3	8.9	5.4	8.8	5.3	8.6	5.2	8.3	5.0	7.9	4.7
SE	7.5	4.4	7.2	4.2	7.0	4.0	6.9	3.9	6.8	3.8	7.0	4.0	6.6	3.5	6.5	3.5	6.4	3.4	6.3	3.3	6.3	3.2	6.3	3.3	6.8	3.6	7.8	4.2	8.8	4.9	9.3	5.3	9.5	5.5	9.4	5.6	9.2	5.5	8.9	5.4	8.8	5.3	8.6	5.2	8.3	5.0	7.9	4.7
S	7.3	4.3	7.0	4.1	6.9	3.9	6.8	3.8	6.6	3.7	6.8	3.9	6.4	3.5	6.3	3.4	6.2	3.3	6.2	3.2	6.1	3.2	6.2	3.2	6.6	3.5	7.1	3.9	7.8	4.4	8.5	4.9	9.0	5.3	9.3	5.5	9.4	5.6	9.2	5.5	9.1	5.5	8.7	5.2	8.1	4.9	7.8	4.7
SW	9.4	5.3	8.4	4.8	8.2	4.6	8.1	4.5	8.0	4.4	8.2	4.6	7.8	4.1	7.7	4.1	7.6	4.0	7.5	3.9	7.5	3.8	7.5	3.9	7.9	4.1	8.5	4.5	9.0	5.0	9.4	5.4	9.8	5.7	10.3	6.0	10.7	6.3	10.9	6.3	11.1	6.5	10.9	6.3	10.6	6.1	10.1	5.8
W	10.8	6.1	9.0	5.1	8.8	4.9	8.7	4.8	8.6	4.7	8.8	4.9	8.4	4.4	8.3	4.4	8.2	4.3	8.1	4.2	8.0	4.1	8.1	4.2	8.5	4.4	9.1	4.8	9.6	5.3	10.0	5.7	10.4	6.0	10.6	6.1	10.9	6.3	11.3	6.5	11.7	6.8	11.7	6.8	11.7	6.7	11.4	6.4
NW	9.5	5.4	7.7	4.4	7.6	4.3	7.4	4.2	7.3	4.0	7.5	4.2	7.1	3.8	7.0	3.7	6.9	3.6	6.9	3.6	6.8	3.5	6.9	3.5	7.3	3.8	7.8	4.2	8.3	4.7	8.8	5.0	9.1	5.3	9.3	5.5	9.4	5.6	9.5	5.7	9.8	5.8	9.9	5.9	10.0	5.8	9.8	5.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.2	3.7	6.2	3.6	6.0	3.5	6.0	3.5	5.9	3.5	5.9	3.4	6.0	3.5	5.9	3.4	5.9	3.4	5.8	3.4	5.8	3.3	5.8	3.3	5.8	3.3	5.9	3.4	6.0	3.5	6.1	3.6	6.2	3.7	6.3	3.7	6.3	3.8	6.4	3.8	6.4	3.8	6.3	3.8	6.3	3.8	6.2	3.7
NE	6.7	3.9	6.6	3.8	6.5	3.8	6.5	3.8	6.5	3.7	6.4	3.7	6.5	3.7	6.4	3.7	6.4	3.6	6.3	3.6	6.3	3.6	6.3	3.6	6.3	3.6	6.4	3.7	6.6	3.8	6.8	3.9	6.8	4.0	6.8	4.0	6.8	4.0	6.9	4.0	6.9	4.0	6.8	4.0	6.8	4.0	6.7	4.0
E	7.7	4.4	7.6	4.4	7.6	4.3	7.5	4.3	7.5	4.3	7.5	4.2	7.5	4.3	7.4	4.2	7.4	4.2	7.4	4.1	7.4	4.1	7.4	4.1	7.4	4.1	7.5	4.2	7.7	4.4	8.0	4.5	8.0	4.6	8.0	4.6	8.0	4.6	7.9	4.6	7.9	4.6	7.9	4.6	7.9	4.5	7.8	4.5
SE	7.7	4.4	7.6	4.4	7.6	4.3	7.5	4.3	7.5	4.3	7.5	4.2	7.5	4.3	7.4	4.2	7.4	4.2	7.4	4.1	7.4	4.1	7.4	4.1	7.4	4.1	7.5	4.2	7.7	4.3	7.9	4.5	8.0	4.6	8.1	4.6	8.0	4.6	8.0	4.6	7.9	4.6	7.9	4.6	7.9	4.5	7.8	4.5
S	7.5	4.3	7.5	4.3	7.4	4.2	7.4	4.2	7.3	4.2	7.3	4.1	7.3	4.2	7.3	4.1	7.2	4.1	7.2	4.1	7.2	4.0	7.2	4.0	7.2	4.0	7.3	4.1	7.4	4.2	7.6	4.3	7.7	4.4	7.8	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.8	4.5	7.7	4.5	7.6	4.4
SW	9.2	5.2	9.0	5.1	8.8	4.9	8.8	4.9	8.8	4.9	8.8	4.9	8.8	4.9	8.7	4.8	8.7	4.8	8.7	4.8	8.7	4.8	8.6	4.7	8.7	4.8	8.7	4.8	8.9	4.9	9.0	5.0	9.1	5.1	9.1	5.1	9.2	5.2	9.3	5.3	9.4	5.3	9.4	5.3	9.4	5.3	9.3	5.2
W	10.0	5.6	9.9	5.5	9.5	5.3	9.4	5.2	9.4	5.2	9.4	5.2	9.4	5.2	9.3	5.1	9.3	5.1	9.3	5.1	9.3	5.1	9.3	5.1	9.3	5.1	9.4	5.1	9.5	5.2	9.6	5.3	9.7	5.4	9.8	5.5	9.8	5.5	9.9	5.5	10.0	5.6	10.0	5.6	10.1	5.6	10.1	5.6
NW	8.6	4.9	8.5	4.8	8.1	4.6	8.1	4.6	8.1	4.5	8.1	4.5	8.1	4.6	8.0	4.5	8.0	4.4	8.0	4.4	8.0	4.4	7.9	4.4	8.0	4.4	8.0	4.5	8.2	4.6	8.3	4.6	8.4	4.7	8.4	4.8	8.5	4.8	8.5	4.8	8.5	4.9	8.6	4.9	8.6	4.9	8.6	4.9
	R2 - 12cm Concrete+2 cm plaster																																															
R	2.4	-1.0	3.5	0.1	1.1	-2.3	0.7	-2.7	0.1	-3.4	-0.3	-3.7	-0.6	-4.1	0.0	-3.8	3.3	-1.7	9.2	2.0	15.7	6.3	20.6	9.6	24.0	12.0	26.0	13.4	26.6	14.0	24.7	13.1	24.0	12.8	20.7	11.1	17.0	8.9	12.5	6.2	7.4	3.0	4.7	1.2	3.8	0.3	3.0	-0.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :MALATYA (38.21)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.9	8.7	10.7	8.5	10.5	8.4	10.4	8.3	9.7	7.6	10.0	7.9	9.9	7.8	9.9	7.8	9.8	7.6	9.6	7.5	9.9	7.7	10.7	8.2	11.3	8.6	11.7	8.9	12.1	9.3	12.5	9.6	12.8	9.9	13.0	10.0	13.0	10.1	13.0	10.2	12.7	10.0	12.6	9.9	12.4	9.8	11.6	9.2
NE	11.8	9.2	11.6	9.0	11.4	8.9	11.3	8.8	10.6	8.0	10.9	8.4	10.8	8.2	10.8	8.2	10.6	8.1	10.5	8.0	10.8	8.1	12.0	8.8	13.5	9.7	14.0	10.1	13.9	10.2	13.7	10.2	13.7	10.3	13.9	10.5	13.9	10.6	13.9	10.6	13.6	10.5	13.3	10.3	12.9	10.0	12.2	9.5
E	12.7	9.7	12.5	9.5	12.4	9.3	12.3	9.3	11.6	8.5	11.9	8.8	11.8	8.7	11.8	8.7	11.6	8.6	11.5	8.5	11.8	8.6	13.0	9.4	15.0	10.5	15.7	11.0	15.9	11.2	15.7	11.2	15.1	11.0	14.8	11.0	14.9	11.1	14.9	11.1	14.6	11.0	14.3	10.8	13.8	10.5	13.2	10.0
SE	12.7	9.7	12.5	9.5	12.4	9.4	12.3	9.3	11.6	8.5	11.9	8.9	11.8	8.7	11.8	8.7	11.6	8.6	11.5	8.5	11.8	8.6	12.8	9.2	14.3	10.1	15.3	10.7	15.8	11.1	16.0	11.3	15.8	11.3	15.3	11.2	14.9	11.1	14.9	11.1	14.6	11.0	14.3	10.8	13.9	10.5	13.2	10.0
S	12.1	9.4	11.9	9.2	11.8	9.0	11.7	8.9	10.9	8.2	11.3	8.5	11.1	8.4	11.1	8.4	11.0	8.3	10.9	8.1	11.1	8.3	11.7	8.7	12.4	9.2	13.1	9.7	14.0	10.2	14.7	10.7	15.1	11.0	15.3	11.2	15.3	11.3	15.0	11.2	14.3	10.8	13.6	10.5	13.2	10.2	12.5	9.7
SW	13.5	10.0	13.3	9.8	13.1	9.7	13.0	9.6	12.3	8.9	12.6	9.2	12.5	9.1	12.5	9.1	12.4	8.9	12.3	8.8	12.4	8.9	13.1	9.4	13.7	9.8	14.3	10.2	14.7	10.6	15.1	10.9	15.9	11.4	16.7	11.9	17.4	12.3	17.8	12.6	17.7	12.5	17.1	12.2	15.7	11.4	14.3	10.6
W	13.9	10.3	13.7	10.1	13.6	9.9	13.5	9.9	12.8	9.1	13.1	9.4	13.0	9.3	13.0	9.3	12.8	9.2	12.7	9.1	12.9	9.2	13.6	9.6	14.2	10.1	14.7	10.5	15.2	10.8	15.6	11.2	15.9	11.4	16.5	11.8	17.5	12.4	18.4	12.9	18.8	13.1	18.6	13.0	17.1	12.1	15.2	11.0
NW	12.7	9.6	12.5	9.4	12.3	9.3	12.2	9.2	11.5	8.5	11.8	8.8	11.7	8.7	11.7	8.7	11.5	8.5	11.4	8.4	11.6	8.5	12.3	9.0	12.9	9.4	13.5	9.8	13.9	10.2	14.3	10.5	14.6	10.8	14.8	10.9	15.1	11.2	15.9	11.7	16.4	11.9	16.6	11.9	15.5	11.3	13.9	10.4
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	11.4	9.0	11.2	8.8	11.1	8.7	11.0	8.7	11.0	8.7	10.8	8.4	10.9	8.5	10.8	8.5	10.8	8.5	10.8	8.4	10.8	8.4	10.8	8.5	11.1	8.6	11.3	8.8	11.4	8.9	11.6	9.0	11.7	9.1	11.8	9.2	11.8	9.2	11.8	9.2	11.8	9.3	11.7	9.2	11.7	9.2	11.6	9.1
NE	12.3	9.4	12.1	9.3	12.1	9.2	12.0	9.2	12.0	9.2	11.8	8.9	11.9	9.0	11.8	9.0	11.8	9.0	11.8	8.9	11.7	8.9	11.8	9.0	12.2	9.2	12.7	9.5	12.8	9.6	12.8	9.6	12.8	9.6	12.8	9.6	12.8	9.7	12.8	9.7	12.8	9.8	12.7	9.7	12.6	9.6	12.5	9.5
E	13.4	9.9	13.2	9.8	13.2	9.8	13.1	9.7	13.1	9.7	12.8	9.5	13.0	9.6	12.9	9.5	12.9	9.5	12.9	9.5	12.8	9.4	12.9	9.5	13.3	9.7	14.0	10.1	14.2	10.3	14.2	10.3	14.2	10.3	14.0	10.3	13.9	10.3	13.9	10.3	13.9	10.3	13.8	10.3	13.7	10.2	13.6	10.1
SE	13.4	9.9	13.2	9.8	13.2	9.8	13.1	9.7	13.1	9.7	12.9	9.5	13.0	9.6	12.9	9.5	12.9	9.5	12.9	9.5	12.8	9.4	12.9	9.5	13.2	9.7	13.7	10.0	14.0	10.2	14.2	10.3	14.3	10.4	14.2	10.4	14.1	10.3	13.9	10.3	13.9	10.3	13.8	10.3	13.7	10.2	13.6	10.1
S	12.7	9.6	12.5	9.5	12.4	9.4	12.4	9.4	12.4	9.3	12.1	9.1	12.2	9.2	12.2	9.2	12.2	9.2	12.2	9.1	12.1	9.1	12.2	9.1	12.4	9.3	12.6	9.4	12.8	9.6	13.1	9.7	13.3	9.9	13.5	10.0	13.6	10.1	13.5	10.1	13.4	10.1	13.2	9.9	13.0	9.8	12.9	9.7
SW	14.3	10.4	14.0	10.2	14.0	10.2	13.9	10.1	13.9	10.1	13.7	9.9	13.8	10.0	13.7	9.9	13.7	9.9	13.7	9.9	13.6	9.9	13.7	9.9	13.9	10.0	14.1	10.2	14.3	10.3	14.4	10.4	14.6	10.5	14.8	10.7	15.1	10.8	15.3	11.0	15.4	11.1	15.4	11.0	15.2	10.9	14.8	10.7
W	15.0	10.7	14.6	10.5	14.5	10.4	14.5	10.4	14.4	10.4	14.2	10.1	14.3	10.2	14.3	10.2	14.2	10.2	14.2	10.2	14.2	10.1	14.2	10.2	14.4	10.3	14.6	10.4	14.8	10.6	15.0	10.7	15.1	10.8	15.2	10.9	15.4	11.0	15.7	11.2	16.0	11.3	16.1	11.4	16.1	11.4	15.6	11.1
NW	13.5	10.0	13.1	9.8	13.1	9.7	13.0	9.7	13.0	9.7	12.8	9.4	12.9	9.5	12.8	9.5	12.8	9.5	12.8	9.4	12.7	9.4	12.8	9.4	13.0	9.6	13.2	9.7	13.4	9.8	13.5	10.0	13.7	10.1	13.8	10.2	13.8	10.2	13.9	10.3	14.2	10.4	14.3	10.5	14.4	10.5	14.1	10.3
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	11.4	9.0	11.1	8.8	11.0	8.7	11.0	8.6	10.9	8.6	10.6	8.3	10.7	8.4	10.7	8.4	10.7	8.4	10.6	8.3	10.6	8.3	10.7	8.3	11.0	8.5	11.3	8.7	11.5	8.9	11.7	9.0	11.8	9.2	12.0	9.3	12.0	9.3	12.1	9.4	12.0	9.4	11.9	9.3	11.9	9.3	11.8	9.2
NE	12.3	9.4	12.1	9.3	12.0	9.2	11.9	9.1	11.9	9.1	11.6	8.8	11.7	8.9	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.7	11.7	8.8	12.2	9.1	12.8	9.5	13.0	9.7	13.0	9.7	12.9	9.7	12.9	9.8	13.0	9.8	13.0	9.9	13.0	9.9	12.9	9.8	12.7	9.8	12.6	9.6
E	13.3	10.0	13.1	9.8	13.1	9.7	13.0	9.7	13.0	9.6	12.6	9.3	12.8	9.4	12.7	9.4	12.7	9.4	12.7	9.3	12.6	9.3	12.7	9.4	13.3	9.7	14.1	10.2	14.5	10.4	14.5	10.5	14.4	10.5	14.2	10.4	14.1	10.4	14.1	10.4	14.1	10.4	14.0	10.4	13.8	10.3	13.6	10.2
SE	13.3	10.0	13.1	9.8	13.1	9.7	13.0	9.7	13.0	9.6	12.6	9.3	12.8	9.4	12.7	9.4	12.7	9.4	12.7	9.3	12.6	9.3	12.7	9.3	13.2	9.6	13.8	10.0	14.2	10.3	14.5	10.4	14.6	10.5	14.5	10.5	14.3	10.5	14.1	10.4	14.1	10.4	14.0	10.4	13.8	10.3	13.6	10.2
S	12.6	9.6	12.4	9.5	12.4	9.4	12.3	9.3	12.3	9.3	11.9	8.9	12.1	9.1	12.0	9.0	12.0	9.0	12.0	9.0	11.9	8.9	12.0	9.0	12.3	9.2	12.6	9.4	12.9	9.6	13.3	9.8	13.6	10.0	13.8	10.2	13.9	10.3	13.8	10.3	13.7	10.3	13.4	10.1	13.1	9.9	12.9	9.8
SW	14.3	10.4	13.9	10.2	13.9	10.1	13.8	10.1	13.8	10.0	13.4	9.7	13.6	9.8	13.5	9.8	13.5	9.8	13.5	9.7	13.4	9.7	13.5	9.7	13.8	9.9	14.1	10.1	14.3	10.3	14.5	10.4	14.7	10.6	15.0	10.8	15.4	11.0	15.6	11.2	15.8	11.3	15.8	11.3	15.5	11.1	14.9	10.8
W	15.0	10.8	14.5	10.5	14.4	10.4	14.3	10.3	14.3	10.3	13.9	10.0	14.1	10.1	14.0	10.1	14.0	10.0	14.0	10.0	13.9	9.9	14.0	10.0	14.3	10.2	14.6	10.4	14.8	10.5	15.0	10.7	15.2	10.9	15.3	11.0	15.6	11.1	16.0	11.4	16.4	11.6	16.6	11.7	16.5	11.6	15.8	11.3
NW	13.6	10.1	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.3	12.7	9.4	12.6	9.4	12.6	9.3	12.6	9.3	12.5	9.2	12.6	9.3	12.9	9.5	13.2	9.7	13.4	9.8	13.6	10.0	13.8	10.2	13.9	10.3	14.0	10.3	14.1	10.4	14.5	10.6	14.7	10.7	14.8	10.8	14.3	10.5
	(D4) 2cm dış sıva+8,5 cm Tuğla+3 cm XPS+8,5 cm Tuğla+2 cm iç sıva																																															
N	11.5	9.0	11.1	8.8	11.0	8.7	10.9	8.6	10.8	8.6	10.5	8.2	10.6	8.3	10.6	8.3	10.6	8.3	10.5	8.2	10.4	8.2	10.5	8.2	11.0	8.5	11.3	8.7	11.5	8.9	11.7	9.1	11.9	9.2	12.1	9.4	12.2	9.4	12.2	9.5	12.2	9.5	12.0	9.5	12.0	9.4	11.9	9.3
NE	12.3	9.4	12.0	9.3	11.9	9.2	11.8	9.1	11.8	9.0	11.4	8.6	11.6	8.8	11.5	8.8	11.5	8.8	11.4	8.7	11.4	8.6	11.5	8.7	12.1	9.1	13.0	9.5	13.2	9.7	13.2	9.8	13.0	9.8	13.0	9.8	13.1	9.9	13.2	10.0	13.1	10.0	13.0	9.9	12.8	9.8	12.6	9.7
E	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.6	9.4	12.6	9.3	12.6	9.3	12.5	9.2	12.4	9.2	12.6	9.2	13.2	9.6	14.3	10.2	14.6	10.5	14.7	10.6	14.6	10.6	14.3	10.5	14.2	10.5	14.2	10.5	14.2	10.5	14.0	10.5	13.9	10.4	13.7	10.2
SE	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.7	9.4	12.6	9.3	12.6	9.3	12.5	9.2	12.5	9.2	12.6	9.2	13.1	9.5	13.9	10.0	14.4	10.3	14.7	10.5	14.8	10.7	14.7	10.7	14.4	10.6	14.2	10.5	14.2	10.6	14.1	10.5	13.9	10.4	13.7	10.2
S	12.6	9.6	12.4	9.4	12.3	9.3	12.2	9.3	12.2	9.2	11.8	8.8	12.0	9.0	11.9	8.9	11.9	8.9	11.8	8.9	11.8	8.8	11.9	8.9	12.2	9.1	12.5	9.3	12.9	9.6	13.4	9.9	13.7	10.1	14.0	10.3	14.1	10.4	14.1	10.4	13.9	10.4	13.5	10.2	13.2	10.0	13.0	9.9
SW	14.3	10.5	13.9	10.2	13.8	10.1	13.7	10.0	13.6	10.0	13.3	9.6	13.4	9.7	13.4	9.7	13.4	9.7	13.3	9.6	13.2	9.6	13.3	9.6	13.7	9.8	14.0	10.1	14.3	10.3	14.5	10.5	14.7	10.6	15.1	10.9	15.6	11.1	15.9	11.4	16.1	11.5	16.1	11.5	15.8	11.3	15.0	10.9
W	15.0	10.8	14.4	10.4	14.3	10.3	14.2	10.3	14.2	10.2	13.8	9.8	13.9	10.0	13.9	9.9	13.9	9.9	13.8	9.9	13.7	9.8	13.8	9.9	14.2	10.1	14.5	10.3	14.8	10.5	15.0	10.7	15.3	10.9	15.4	11.0	15.7	11.2	16.3	11.5	16.7	11.8	16.9	11.9	16.8	11.8	16.0	11.4
NW	13.7	10.1	13.0	9.7	12.9	9.6	12.8	9.6	12.8	9.5	12.4	9.1	12.6	9.3	12.5	9.3	12.5	9.2	12.4	9.2	12.4	9.1	12.5	9.2	12.8	9.4	13.1	9.6	13.4	9.8	13.7	10.0	13.9	10.2	14.0	10.3	14.1	10.4	14.3	10.6	14.7	10.8	15.0	10.9	15.0	10.9	14.5	10.6
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.9	7.6	11.3	7.0	10.9	6.6	10.7	6.3	8.4	4.1	9.4	5.1	9.1	4.8	9.1	4.7	8.6	4.3	8.3	4.0	9.2	4.5	12.6	6.5	17.4	9.3	21.5	11.7	25.0	13.8	27.8	15.6	29.3	16.7	30.1	17.3	30.0	17.5	28.9	17.2	26.1	15.7	22.6	13.9	18.0	11.4	14.0	8.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :MALATYA (38.21)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	10.3	8.4	10.0	8.1	9.9	8.0	8.7	6.8	9.2	7.3	9.0	7.1	9.0	7.1	8.8	6.9	8.6	6.7	9.0	6.9	10.3	7.7	11.3	8.5	11.9	9.0	12.7	9.6	13.4	10.1	13.8	10.5	14.1	10.8	14.2	11.0	14.1	11.1	13.6	10.8	13.5	10.7	13.1	10.4	11.9	9.5	10.6	8.7
NE	11.1	8.8	10.8	8.5	10.7	8.4	9.5	7.2	10.0	7.7	9.8	7.5	9.8	7.5	9.6	7.3	9.4	7.1	9.8	7.4	11.7	8.5	14.3	10.0	15.0	10.5	15.0	10.7	14.6	10.7	14.6	10.9	14.9	11.2	15.0	11.4	14.9	11.5	14.4	11.2	13.9	10.9	13.2	10.4	12.1	9.6	11.4	9.1
E	11.9	9.2	11.7	9.0	11.6	8.8	10.3	7.6	10.9	8.2	10.7	8.0	10.7	8.0	10.5	7.7	10.3	7.5	10.7	7.8	12.8	9.0	16.0	10.8	17.2	11.6	17.5	12.0	17.1	12.0	16.2	11.7	15.7	11.6	15.8	11.8	15.8	11.9	15.3	11.6	14.8	11.3	14.1	10.9	13.0	10.1	12.3	9.5
SE	12.0	9.2	11.7	9.0	11.6	8.9	10.4	7.6	10.9	8.2	10.7	8.0	10.7	8.0	10.5	7.7	10.3	7.6	10.7	7.8	12.3	8.8	14.9	10.3	16.4	11.3	17.3	11.9	17.6	12.3	17.3	12.3	16.5	12.0	15.9	11.8	15.8	11.9	15.3	11.7	14.8	11.4	14.1	10.9	13.0	10.1	12.3	9.5
S	11.4	8.9	11.1	8.7	11.0	8.6	9.8	7.3	10.3	7.9	10.1	7.7	10.1	7.7	9.9	7.4	9.7	7.3	10.0	7.4	11.1	8.2	12.2	8.9	13.4	9.7	14.8	10.6	16.0	11.4	16.7	12.0	17.0	12.3	17.0	12.4	16.4	12.2	15.2	11.6	14.2	11.1	13.5	10.6	12.4	9.8	11.7	9.2
SW	12.6	9.5	12.4	9.3	12.2	9.2	11.0	7.9	11.6	8.5	11.4	8.3	11.3	8.3	11.1	8.0	10.9	7.9	11.2	8.1	12.4	8.8	13.4	9.5	14.3	10.2	15.0	10.7	15.7	11.3	16.9	12.1	18.2	12.9	19.3	13.6	20.0	14.0	19.8	13.9	18.9	13.4	16.6	12.1	14.3	10.7	12.9	9.9
W	13.0	9.7	12.8	9.5	12.7	9.4	11.4	8.1	12.0	8.7	11.8	8.5	11.8	8.5	11.5	8.3	11.4	8.1	11.7	8.3	12.8	9.0	13.8	9.7	14.7	10.4	15.4	11.0	16.1	11.5	16.6	11.9	17.6	12.6	19.3	13.5	20.7	14.4	21.3	14.7	21.0	14.5	18.5	13.1	15.5	11.3	13.3	10.1
NW	11.9	9.2	11.6	8.9	11.5	8.8	10.3	7.6	10.8	8.1	10.6	7.9	10.6	7.9	10.4	7.7	10.2	7.5	10.5	7.7	11.6	8.4	12.7	9.2	13.5	9.8	14.3	10.4	15.0	10.9	15.4	11.3	15.7	11.6	16.2	12.0	17.5	12.8	18.4	13.2	18.6	13.2	16.9	12.3	14.3	10.7	12.2	9.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.5	9.0	11.3	8.9	11.2	8.8	11.2	8.8	11.2	8.8	11.2	8.7	11.0	8.6	11.1	8.7	11.1	8.7	11.1	8.7	11.0	8.6	11.0	8.6	11.1	8.6	11.2	8.7	11.3	8.8	11.3	8.8	11.4	8.9	11.5	8.9	11.5	9.0	11.6	9.0	11.6	9.0	11.6	9.0	11.5	9.0	11.5	9.0
NE	12.4	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.2	12.0	9.1	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.1	12.0	9.1	12.1	9.1	12.3	9.3	12.5	9.4	12.6	9.5	12.6	9.5	12.5	9.5	12.5	9.5	12.6	9.5	12.6	9.5	12.6	9.5	12.5	9.5	12.5	9.5
E	13.5	10.0	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.4	9.8	13.7	10.0	13.8	10.1	13.8	10.1	13.8	10.1	13.7	10.1	13.7	10.1	13.7	10.1	13.7	10.1	13.6	10.1	13.6	10.1
SE	13.5	10.0	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.3	9.8	13.6	9.9	13.7	10.0	13.8	10.1	13.9	10.1	13.8	10.1	13.8	10.1	13.7	10.1	13.7	10.1	13.6	10.1	13.6	10.1
S	12.8	9.6	12.7	9.6	12.6	9.5	12.6	9.5	12.6	9.5	12.5	9.4	12.4	9.3	12.5	9.4	12.5	9.4	12.5	9.4	12.4	9.3	12.4	9.3	12.5	9.3	12.6	9.4	12.7	9.5	12.8	9.6	12.9	9.6	13.0	9.7	13.1	9.8	13.1	9.8	13.1	9.8	13.1	9.8	13.0	9.7	12.9	9.7
SW	14.5	10.5	14.3	10.4	14.2	10.3	14.1	10.3	14.1	10.2	14.1	10.2	14.0	10.1	14.0	10.2	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1	14.1	10.2	14.2	10.3	14.3	10.3	14.4	10.4	14.4	10.4	14.6	10.5	14.7	10.6	14.8	10.6	14.9	10.7	14.8	10.7	14.7	10.6
W	15.2	10.8	14.9	10.7	14.7	10.6	14.7	10.5	14.7	10.5	14.6	10.5	14.5	10.4	14.6	10.4	14.6	10.4	14.6	10.4	14.5	10.4	14.5	10.4	14.5	10.4	14.7	10.5	14.8	10.5	14.8	10.6	14.9	10.6	15.0	10.7	15.0	10.7	15.1	10.8	15.3	10.9	15.4	11.0	15.5	11.0	15.4	11.0
NW	13.7	10.1	13.5	9.9	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.8	13.1	9.6	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.6	13.1	9.7	13.2	9.7	13.3	9.8	13.4	9.9	13.5	9.9	13.5	10.0	13.6	10.0	13.6	10.0	13.6	10.1	13.8	10.1	13.8	10.2	13.9	10.2
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																																
N	11.5	9.0	11.1	8.8	11.0	8.7	10.9	8.6	10.9	8.6	10.5	8.2	10.7	8.4	10.6	8.3	10.6	8.3	10.5	8.2	10.5	8.2	10.6	8.3	11.0	8.5	11.3	8.7	11.5	8.9	11.7	9.0	11.9	9.2	12.0	9.3	12.1	9.4	12.1	9.5	12.1	9.5	12.0	9.4	11.9	9.4	11.8	9.3
NE	12.3	9.4	12.0	9.3	11.9	9.2	11.9	9.1	11.8	9.1	11.5	8.7	11.6	8.9	11.6	8.8	11.6	8.8	11.5	8.7	11.5	8.7	11.6	8.8	12.1	9.1	12.9	9.5	13.1	9.7	13.1	9.7	13.0	9.8	13.0	9.8	13.1	9.9	13.1	9.9	13.1	10.0	12.9	9.9	12.8	9.8	12.6	9.7
E	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.7	9.4	12.6	9.3	12.6	9.3	12.6	9.3	12.5	9.2	12.7	9.3	13.3	9.6	14.2	10.2	14.6	10.4	14.7	10.5	14.5	10.5	14.3	10.4	14.1	10.4	14.2	10.5	14.1	10.5	14.0	10.4	13.9	10.3	13.6	10.2
SE	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.7	9.4	12.7	9.3	12.6	9.3	12.6	9.3	12.5	9.2	12.6	9.3	13.1	9.6	13.9	10.0	14.3	10.3	14.6	10.5	14.7	10.6	14.6	10.6	14.4	10.5	14.2	10.5	14.1	10.5	14.0	10.4	13.9	10.3	13.7	10.2
S	12.6	9.6	12.4	9.4	12.3	9.4	12.2	9.3	12.2	9.2	11.8	8.9	12.0	9.0	11.9	9.0	11.9	9.0	11.9	8.9	11.8	8.9	11.9	8.9	12.2	9.1	12.5	9.3	12.9	9.6	13.3	9.9	13.7	10.1	13.9	10.3	14.0	10.3	14.0	10.4	13.8	10.3	13.5	10.2	13.2	10.0	12.9	9.8
SW	14.3	10.4	13.9	10.2	13.8	10.1	13.7	10.0	13.7	10.0	13.3	9.6	13.5	9.8	13.4	9.7	13.4	9.7	13.4	9.7	13.3	9.6	13.4	9.7	13.7	9.9	14.0	10.1	14.3	10.3	14.5	10.5	14.7	10.6	15.1	10.8	15.5	11.1	15.8	11.3	16.0	11.4	15.9	11.4	15.7	11.2	15.0	10.9
W	15.0	10.8	14.4	10.5	14.3	10.4	14.2	10.3	14.2	10.2	13.8	9.9	14.0	10.0	13.9	10.0	13.9	10.0	13.9	9.9	13.8	9.9	13.9	9.9	14.2	10.1	14.5	10.4	14.8	10.5	15.0	10.7	15.2	10.9	15.4	11.0	15.7	11.2	16.2	11.5	16.6	11.7	16.8	11.8	16.7	11.7	15.9	11.3
NW	13.6	10.1	13.0	9.8	12.9	9.7	12.9	9.6	12.8	9.6	12.4	9.2	12.6	9.3	12.6	9.3	12.5	9.3	12.5	9.2	12.4	9.2	12.5	9.2	12.9	9.4	13.2	9.7	13.4	9.8	13.6	10.0	13.8	10.2	14.0	10.3	14.0	10.4	14.2	10.5	14.6	10.7	14.8	10.8	14.9	10.9	14.4	10.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.4	8.9	11.3	8.9	11.2	8.8	11.2	8.8	11.2	8.8	11.2	8.8	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.2	8.7	11.3	8.8	11.3	8.8	11.4	8.9	11.4	8.9	11.5	9.0	11.5	9.0	11.5	9.0	11.5	9.0	11.5	9.0	11.5	9.0
NE	12.4	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.3	9.3	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.4	9.5
E	13.5	10.0	13.4	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.2	9.7	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.4	9.8	13.7	10.0	13.8	10.0	13.8	10.1	13.7	10.1	13.7	10.1	13.6	10.0	13.6	10.1	13.6	10.1	13.6	10.0	13.6	10.0
SE	13.5	10.0	13.4	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.2	9.7	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.4	9.8	13.6	9.9	13.7	10.0	13.8	10.1	13.8	10.1	13.8	10.1	13.7	10.1	13.6	10.1	13.6	10.1	13.6	10.1	13.6	10.0
S	12.8	9.6	12.7	9.6	12.6	9.5	12.6	9.5	12.6	9.5	12.6	9.5	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.6	9.4	12.7	9.5	12.8	9.6	12.9	9.6	13.0	9.7	13.0	9.7	13.0	9.7	13.0	9.8	13.0	9.7	12.9	9.7	12.8	9.7
SW	14.5	10.5	14.3	10.4	14.2	10.3	14.2	10.3	14.2	10.3	14.1	10.2	14.0	10.2	14.1	10.2	14.1	10.2	14.1	10.2	14.1	10.2	14.0	10.1	14.1	10.2	14.2	10.2	14.2	10.3	14.3	10.3	14.4	10.4	14.4	10.4	14.5	10.5	14.6	10.5	14.7	10.6	14.8	10.6	14.7	10.6	14.7	10.6
W	15.1	10.8	14.9	10.7	14.7	10.6	14.7	10.5	14.7	10.5	14.7	10.5	14.6	10.4	14.6	10.5	14.6	10.4	14.6	10.4	14.6	10.4	14.6	10.4	14.6	10.4	14.7	10.5	14.8	10.5	14.8	10.6	14.9	10.6	15.0	10.7	15.0	10.7	15.1	10.8	15.2	10.8	15.3	10.9	15.4	10.9	15.3	10.9
NW	13.6	10.1	13.4	9.9	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.8	13.1	9.7	13.2	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.2	9.7	13.3	9.8	13.4	9.9	13.4	9.9	13.5	9.9	13.5	10.0	13.5	10.0	13.6	10.0	13.7	10.1	13.8	10.1	13.8	10.1
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.8	9.6	3.2	7.0	4.3	8.1	3.9	7.7	3.9	7.7	3.4	7.2	3.0	6.8	3.6	7.8	6.0	11.8	9.2	17.5	12.1	22.3	14.5	26.4	16.6	29.6	17.8	31.4	18.6	32.4	18.9	32.2	18.4	30.9	16.8	27.7	14.6	23.5	11.6	18.2	8.8	13.4	7.2	11.0	6.5	10.3	6.0	9.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :MANİSA (38.36)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	10.9	8.7	10.7	8.5	10.5	8.4	10.4	8.3	9.7	7.6	10.0	7.9	9.9	7.8	9.9	7.8	9.8	7.6	9.6	7.5	9.9	7.7	10.7	8.2
NE	11.8	9.2	11.6	9.0	11.4	8.9	11.3	8.8	10.6	8.0	10.9	8.4	10.8	8.2	10.8	8.2	10.6	8.1	10.5	8.0	10.8	8.1	12.0	8.8
E	12.7	9.7	12.5	9.5	12.4	9.3	12.3	9.3	11.6	8.5	11.9	8.8	11.8	8.7	11.8	8.7	11.6	8.6	11.5	8.5	11.8	8.6	13.0	9.4
SE	12.7	9.7	12.5	9.5	12.4	9.4	12.3	9.3	11.6	8.5	11.9	8.9	11.8	8.7	11.8	8.7	11.6	8.6	11.5	8.5	11.8	8.6	12.8	9.2
S	12.1	9.4	11.9	9.2	11.8	9.0	11.7	8.9	10.9	8.2	11.3	8.5	11.1	8.4	11.1	8.4	11.0	8.3	10.9	8.1	11.1	8.3	11.7	8.7
SW	13.5	10.0	13.3	9.8	13.1	9.7	13.0	9.6	12.3	8.9	12.6	9.2	12.5	9.1	12.5	9.1	12.4	8.9	12.3	8.8	12.4	8.9	13.1	9.4
W	13.9	10.3	13.7	10.1	13.6	9.9	13.5	9.9	12.8	9.1	13.1	9.4	13.0	9.3	13.0	9.3	12.8	9.2	12.7	9.1	12.9	9.2	13.6	9.6
NW	12.7	9.6	12.5	9.4	12.3	9.3	12.2	9.2	11.5	8.5	11.8	8.8	11.7	8.7	11.7	8.7	11.5	8.5	11.4	8.4	11.6	8.5	12.3	9.0
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	11.4	9.0	11.2	8.8	11.1	8.7	11.0	8.7	11.0	8.7	10.8	8.4	10.9	8.5	10.8	8.5	10.8	8.5	10.8	8.4	10.8	8.4	10.8	8.5
NE	12.3	9.4	12.1	9.3	12.1	9.2	12.0	9.2	12.0	9.2	11.8	8.9	11.9	9.0	11.8	9.0	11.8	9.0	11.8	8.9	11.7	8.9	11.8	9.0
E	13.4	9.9	13.2	9.8	13.2	9.8	13.1	9.7	13.1	9.7	12.8	9.5	13.0	9.6	12.9	9.5	12.9	9.5	12.9	9.5	12.8	9.4	12.9	9.5
SE	13.4	9.9	13.2	9.8	13.2	9.8	13.1	9.7	13.1	9.7	12.9	9.5	13.0	9.6	12.9	9.5	12.9	9.5	12.9	9.5	12.8	9.4	12.9	9.5
S	12.7	9.6	12.5	9.5	12.4	9.4	12.4	9.4	12.4	9.3	12.1	9.1	12.2	9.2	12.2	9.2	12.2	9.2	12.2	9.1	12.1	9.1	12.2	9.1
SW	14.3	10.4	14.0	10.2	14.0	10.2	13.9	10.1	13.9	10.1	13.7	9.9	13.8	10.0	13.7	9.9	13.7	9.9	13.7	9.9	13.6	9.9	13.7	9.9
W	15.0	10.7	14.6	10.5	14.5	10.4	14.5	10.4	14.4	10.4	14.2	10.1	14.3	10.2	14.3	10.2	14.2	10.2	14.2	10.2	14.2	10.1	14.2	10.2
NW	13.5	10.0	13.1	9.8	13.1	9.7	13.0	9.7	13.0	9.7	12.8	9.4	12.9	9.5	12.8	9.5	12.8	9.5	12.8	9.4	12.7	9.4	12.8	9.4
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	11.4	9.0	11.1	8.8	11.0	8.7	11.0	8.6	10.9	8.6	10.6	8.3	10.7	8.4	10.7	8.4	10.7	8.4	10.6	8.3	10.6	8.3	10.7	8.3
NE	12.3	9.4	12.1	9.3	12.0	9.2	11.9	9.1	11.9	9.1	11.6	8.8	11.7	8.9	11.7	8.9	11.6	8.9	11.6	8.8	11.5	8.7	11.7	8.8
E	13.3	10.0	13.1	9.8	13.1	9.7	13.0	9.7	13.0	9.6	12.6	9.3	12.8	9.4	12.7	9.4	12.7	9.4	12.7	9.3	12.6	9.3	12.7	9.4
SE	13.3	10.0	13.1	9.8	13.1	9.7	13.0	9.7	13.0	9.6	12.6	9.3	12.8	9.4	12.7	9.4	12.7	9.4	12.7	9.3	12.6	9.3	12.7	9.3
S	12.6	9.6	12.4	9.5	12.4	9.4	12.3	9.3	12.3	9.3	11.9	8.9	12.1	9.1	12.0	9.0	12.0	9.0	12.0	9.0	11.9	8.9	12.0	9.0
SW	14.3	10.4	13.9	10.2	13.9	10.1	13.8	10.1	13.8	10.0	13.4	9.7	13.6	9.8	13.5	9.8	13.5	9.8	13.5	9.7	13.4	9.7	13.5	9.7
W	15.0	10.8	14.5	10.5	14.4	10.4	14.3	10.3	14.3	10.3	13.9	10.0	14.1	10.1	14.0	10.1	14.0	10.0	14.0	10.0	13.9	9.9	14.0	10.0
NW	13.6	10.1	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.3	12.7	9.4	12.6	9.4	12.6	9.3	12.6	9.3	12.5	9.2	12.6	9.3
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	11.5	9.0	11.1	8.8	11.0	8.7	10.9	8.6	10.8	8.6	10.5	8.2	10.6	8.3	10.6	8.3	10.6	8.3	10.5	8.2	10.4	8.2	10.5	8.2
NE	12.3	9.4	12.0	9.3	11.9	9.2	11.8	9.1	11.8	9.0	11.4	8.6	11.6	8.8	11.5	8.8	11.5	8.8	11.4	8.7	11.4	8.6	11.5	8.7
E	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.6	9.4	12.6	9.3	12.6	9.3	12.5	9.2	12.4	9.2	12.6	9.2
SE	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.7	9.4	12.6	9.3	12.6	9.3	12.5	9.2	12.5	9.2	12.6	9.2
S	12.6	9.6	12.4	9.4	12.3	9.3	12.2	9.3	12.2	9.2	11.8	8.8	12.0	9.0	11.9	8.9	11.9	8.9	11.8	8.9	11.8	8.8	11.9	8.9
SW	14.3	10.5	13.9	10.2	13.8	10.1	13.7	10.0	13.6	10.0	13.3	9.6	13.4	9.7	13.4	9.7	13.4	9.7	13.3	9.6	13.2	9.6	13.3	9.6
W	15.0	10.8	14.4	10.4	14.3	10.3	14.2	10.3	14.2	10.2	13.8	9.8	13.9	10.0	13.9	9.9	13.9	9.9	13.8	9.9	13.7	9.8	13.8	9.9
NW	13.7	10.1	13.0	9.7	12.9	9.6	12.8	9.6	12.8	9.5	12.4	9.1	12.6	9.3	12.5	9.3	12.5	9.2	12.4	9.2	12.4	9.1	12.5	9.2
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	16.6	9.6	16.5	9.5	16.5	9.5	16.5	9.4	16.2	9.2	16.3	9.3	16.3	9.3	16.3	9.3	16.3	9.2	16.2	9.2	16.3	9.3	16.6	9.5

Hours 13–24

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	11.3	8.6	11.7	8.9	12.1	9.3	12.5	9.6	12.8	9.9	13.0	10.0	13.0	10.1	13.0	10.2	12.7	10.0	12.6	9.9	12.4	9.8	11.6	9.2
NE	13.5	9.7	14.0	10.1	13.9	10.2	13.7	10.2	13.7	10.3	13.9	10.5	13.9	10.6	13.9	10.6	13.6	10.5	13.3	10.3	12.9	10.0	12.2	9.5
E	15.0	10.5	15.7	11.0	15.9	11.2	15.7	11.2	15.1	11.0	14.8	11.0	14.9	11.1	14.9	11.1	14.6	11.0	14.3	10.8	13.8	10.5	13.2	10.0
SE	14.3	10.1	15.3	10.7	15.8	11.1	16.0	11.3	15.8	11.3	15.3	11.2	14.9	11.1	14.9	11.1	14.6	11.0	14.3	10.8	13.9	10.5	13.2	10.0
S	12.4	9.2	13.1	9.7	14.0	10.2	14.7	10.7	15.1	11.0	15.3	11.2	15.3	11.3	15.0	11.2	14.3	10.8	13.6	10.5	13.2	10.2	12.5	9.7
SW	13.7	9.8	14.3	10.2	14.7	10.6	15.1	10.9	15.9	11.4	16.7	11.9	17.4	12.3	17.8	12.6	17.7	12.5	17.1	12.2	15.7	11.4	14.3	10.6
W	14.2	10.1	14.7	10.5	15.2	10.8	15.6	11.2	15.9	11.4	16.5	11.8	17.5	12.4	18.4	12.9	18.8	13.1	18.6	13.0	17.1	12.1	15.2	11.0
NW	12.9	9.4	13.5	9.8	13.9	10.2	14.3	10.5	14.6	10.8	14.8	10.9	15.1	11.2	15.9	11.7	16.4	11.9	16.6	11.9	15.5	11.3	13.9	10.4
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	11.1	8.6	11.3	8.8	11.4	8.9	11.6	9.0	11.7	9.1	11.8	9.2	11.8	9.2	11.8	9.2	11.8	9.3	11.7	9.2	11.7	9.2	11.6	9.1
NE	12.2	9.2	12.7	9.5	12.8	9.6	12.8	9.6	12.8	9.6	12.8	9.6	12.8	9.7	12.8	9.7	12.8	9.8	12.7	9.7	12.6	9.6	12.5	9.5
E	13.3	9.7	14.0	10.1	14.2	10.3	14.2	10.3	14.2	10.3	14.0	10.3	13.9	10.3	13.9	10.3	13.9	10.3	13.8	10.3	13.7	10.2	13.6	10.1
SE	13.2	9.7	13.7	10.0	14.0	10.2	14.2	10.3	14.3	10.4	14.2	10.4	14.1	10.3	13.9	10.3	13.9	10.3	13.8	10.3	13.7	10.2	13.6	10.1
S	12.4	9.3	12.6	9.4	12.8	9.6	13.1	9.7	13.3	9.9	13.5	10.0	13.6	10.1	13.5	10.1	13.4	10.1	13.2	9.9	13.0	9.8	12.9	9.7
SW	13.9	10.0	14.1	10.2	14.3	10.3	14.4	10.4	14.6	10.5	14.8	10.7	15.1	10.8	15.3	11.0	15.4	11.1	15.4	11.0	15.2	10.9	14.8	10.7
W	14.4	10.3	14.6	10.4	14.8	10.6	15.0	10.7	15.1	10.8	15.2	10.9	15.4	11.0	15.7	11.2	16.0	11.3	16.1	11.4	16.1	11.4	15.6	11.1
NW	13.0	9.6	13.2	9.7	13.4	9.8	13.5	10.0	13.7	10.1	13.8	10.2	13.8	10.2	13.9	10.3	14.2	10.4	14.3	10.5	14.4	10.5	14.1	10.3
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	11.0	8.5	11.3	8.7	11.5	8.9	11.7	9.0	11.8	9.2	12.0	9.3	12.0	9.3	12.1	9.4	12.0	9.4	11.9	9.3	11.9	9.3	11.8	9.2
NE	12.2	9.1	12.8	9.5	13.0	9.7	13.0	9.7	12.9	9.7	12.9	9.8	13.0	9.8	13.0	9.9	13.0	9.9	12.9	9.8	12.7	9.8	12.6	9.6
E	13.3	9.7	14.1	10.2	14.5	10.4	14.5	10.5	14.4	10.5	14.2	10.4	14.1	10.4	14.1	10.4	14.1	10.4	14.0	10.4	13.8	10.3	13.6	10.2
SE	13.2	9.6	13.8	10.0	14.2	10.3	14.5	10.4	14.6	10.5	14.5	10.5	14.3	10.5	14.1	10.4	14.1	10.4	14.0	10.4	13.8	10.3	13.6	10.2
S	12.3	9.2	12.6	9.4	12.9	9.6	13.3	9.8	13.6	10.0	13.8	10.2	13.9	10.3	13.8	10.3	13.7	10.3	13.4	10.1	13.1	9.9	12.9	9.8
SW	13.8	9.9	14.1	10.1	14.3	10.3	14.5	10.4	14.7	10.6	15.0	10.8	15.4	11.0	15.6	11.2	15.8	11.3	15.8	11.3	15.5	11.1	14.9	10.8
W	14.3	10.2	14.6	10.4	14.8	10.5	15.0	10.7	15.2	10.9	15.3	11.0	15.6	11.1	16.0	11.4	16.4	11.6	16.6	11.7	16.5	11.6	15.8	11.3
NW	12.9	9.5	13.2	9.7	13.4	9.8	13.6	10.0	13.8	10.2	13.9	10.3	14.0	10.3	14.1	10.4	14.5	10.6	14.7	10.7	14.8	10.8	14.3	10.5
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	11.0	8.5	11.3	8.7	11.5	8.9	11.7	9.1	11.9	9.2	12.1	9.4	12.2	9.4	12.2	9.5	12.2	9.5	12.0	9.5	12.0	9.4	11.9	9.3
NE	12.1	9.1	13.0	9.5	13.2	9.7	13.2	9.8	13.0	9.8	13.0	9.8	13.1	9.9	13.2	10.0	13.1	10.0	13.0	9.9	12.8	9.8	12.6	9.7
E	13.2	9.6	14.3	10.2	14.6	10.5	14.7	10.6	14.6	10.6	14.3	10.5	14.2	10.5	14.2	10.5	14.2	10.5	14.0	10.5	13.9	10.4	13.7	10.2
SE	13.1	9.5	13.9	10.0	14.4	10.3	14.7	10.5	14.8	10.7	14.7	10.7	14.4	10.6	14.2	10.5	14.2	10.6	14.1	10.5	13.9	10.4	13.7	10.2
S	12.2	9.1	12.5	9.3	12.9	9.6	13.4	9.9	13.7	10.1	14.0	10.3	14.1	10.4	14.1	10.4	13.9	10.4	13.5	10.2	13.2	10.0	13.0	9.9
SW	13.7	9.8	14.0	10.1	14.3	10.3	14.5	10.5	14.7	10.6	15.1	10.9	15.6	11.1	15.9	11.4	16.1	11.5	16.1	11.5	15.8	11.3	15.0	10.9
W	14.2	10.1	14.5	10.3	14.8	10.5	15.0	10.7	15.3	10.9	15.4	11.0	15.7	11.2	16.3	11.5	16.7	11.8	16.9	11.9	16.8	11.8	16.0	11.4
NW	12.8	9.4	13.1	9.6	13.4	9.8	13.7	10.0	13.9	10.2	14.0	10.3	14.1	10.4	14.3	10.6	14.7	10.8	15.0	10.9	15.0	10.9	14.5	10.6
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	17.1	9.7	17.5	10.0	17.9	10.2	18.2	10.4	18.3	10.5	18.4	10.5	18.4	10.6	18.3	10.5	18.0	10.4	17.6	10.2	17.2	9.9	16.8	9.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :MANİSA (38.36)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	10.3	8.4	10.0	8.1	9.9	8.0	8.7	6.8	9.2	7.3	9.0	7.1	9.0	7.1	8.8	6.9	8.6	6.7	9.0	6.9	10.3	7.7	11.3	8.5	11.9	9.0	12.7	9.6	13.4	10.1	13.8	10.5	14.1	10.8	14.2	11.0	14.1	11.1	13.6	10.8	13.5	10.7	13.1	10.4	11.9	9.5	10.6	8.7
NE	11.1	8.8	10.8	8.5	10.7	8.4	9.5	7.2	10.0	7.7	9.8	7.5	9.8	7.5	9.6	7.3	9.4	7.1	9.8	7.4	11.7	8.5	14.3	10.0	15.0	10.5	15.0	10.7	14.6	10.7	14.6	10.9	14.9	11.2	15.0	11.4	14.9	11.5	14.4	11.2	13.9	10.9	13.2	10.4	12.1	9.6	11.4	9.1
E	11.9	9.2	11.7	9.0	11.6	8.8	10.3	7.6	10.9	8.2	10.7	8.0	10.7	8.0	10.5	7.7	10.3	7.5	10.7	7.8	12.8	9.0	16.0	10.8	17.2	11.6	17.5	12.0	17.1	12.0	16.2	11.7	15.7	11.6	15.8	11.8	15.8	11.9	15.3	11.6	14.8	11.3	14.1	10.9	13.0	10.1	12.3	9.5
SE	12.0	9.2	11.7	9.0	11.6	8.9	10.4	7.6	10.9	8.2	10.7	8.0	10.7	8.0	10.5	7.7	10.3	7.6	10.7	7.8	12.3	8.8	14.9	10.3	16.4	11.3	17.3	11.9	17.6	12.3	17.3	12.3	16.5	12.0	15.9	11.8	15.8	11.9	15.3	11.7	14.8	11.4	14.1	10.9	13.0	10.1	12.3	9.5
S	11.4	8.9	11.1	8.7	11.0	8.6	9.8	7.3	10.3	7.9	10.1	7.7	10.1	7.7	9.9	7.4	9.7	7.3	10.0	7.4	11.1	8.2	12.2	8.9	13.4	9.7	14.8	10.6	16.0	11.4	16.7	12.0	17.0	12.3	17.0	12.4	16.4	12.2	15.2	11.6	14.2	11.1	13.5	10.6	12.4	9.8	11.7	9.2
SW	12.6	9.5	12.4	9.3	12.2	9.2	11.0	7.9	11.6	8.5	11.4	8.3	11.3	8.3	11.1	8.0	10.9	7.9	11.2	8.1	12.4	8.8	13.4	9.5	14.3	10.2	15.0	10.7	15.7	11.3	16.9	12.1	18.2	12.9	19.3	13.6	20.0	14.0	19.8	13.9	18.9	13.4	16.6	12.1	14.3	10.7	12.9	9.9
W	13.0	9.7	12.8	9.5	12.7	9.4	11.4	8.1	12.0	8.7	11.8	8.5	11.8	8.5	11.5	8.3	11.4	8.1	11.7	8.3	12.8	9.0	13.8	9.7	14.7	10.4	15.4	11.0	16.1	11.5	16.6	11.9	17.6	12.6	19.3	13.5	20.7	14.4	21.3	14.7	21.0	14.5	18.5	13.1	15.5	11.3	13.3	10.1
NW	11.9	9.2	11.6	8.9	11.5	8.8	10.3	7.6	10.8	8.1	10.6	7.9	10.6	7.9	10.4	7.7	10.2	7.5	10.5	7.7	11.6	8.4	12.7	9.2	13.5	9.8	14.3	10.4	15.0	10.9	15.4	11.3	15.7	11.6	16.2	12.0	17.5	12.8	18.4	13.2	18.6	13.2	16.9	12.3	14.3	10.7	12.2	9.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.5	9.0	11.3	8.9	11.2	8.8	11.2	8.8	11.2	8.8	11.2	8.7	11.0	8.6	11.1	8.7	11.1	8.7	11.1	8.7	11.0	8.6	11.0	8.6	11.1	8.6	11.2	8.7	11.3	8.8	11.3	8.8	11.4	8.9	11.5	8.9	11.5	9.0	11.6	9.0	11.6	9.0	11.6	9.0	11.5	9.0	11.5	9.0
NE	12.4	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.2	12.0	9.1	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.1	12.0	9.1	12.1	9.1	12.3	9.3	12.5	9.4	12.6	9.5	12.6	9.5	12.5	9.5	12.5	9.5	12.6	9.5	12.6	9.5	12.6	9.5	12.5	9.5	12.5	9.5
E	13.5	10.0	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.4	9.8	13.7	10.0	13.8	10.1	13.8	10.1	13.8	10.1	13.7	10.1	13.7	10.1	13.7	10.1	13.7	10.1	13.6	10.1	13.6	10.1
SE	13.5	10.0	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.3	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.3	9.8	13.6	9.9	13.7	10.0	13.8	10.1	13.9	10.1	13.8	10.1	13.8	10.1	13.7	10.1	13.7	10.1	13.6	10.1	13.6	10.1
S	12.8	9.6	12.7	9.6	12.6	9.5	12.6	9.5	12.6	9.5	12.5	9.4	12.4	9.3	12.5	9.4	12.5	9.4	12.5	9.4	12.4	9.3	12.4	9.3	12.5	9.3	12.6	9.4	12.7	9.5	12.8	9.6	12.9	9.6	13.0	9.7	13.1	9.8	13.1	9.8	13.1	9.8	13.1	9.8	13.0	9.7	12.9	9.7
SW	14.5	10.5	14.3	10.4	14.2	10.3	14.1	10.3	14.1	10.2	14.1	10.2	14.0	10.1	14.0	10.2	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1	14.1	10.2	14.2	10.3	14.3	10.3	14.4	10.4	14.4	10.4	14.6	10.5	14.7	10.6	14.8	10.6	14.9	10.7	14.8	10.7	14.7	10.6
W	15.2	10.8	14.9	10.7	14.7	10.6	14.7	10.5	14.7	10.5	14.6	10.5	14.5	10.4	14.6	10.4	14.6	10.4	14.6	10.4	14.5	10.4	14.5	10.4	14.5	10.4	14.7	10.5	14.8	10.5	14.8	10.6	14.9	10.6	15.0	10.7	15.0	10.7	15.1	10.8	15.3	10.9	15.4	11.0	15.5	11.0	15.4	11.0
NW	13.7	10.1	13.5	9.9	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.8	13.1	9.6	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.6	13.1	9.7	13.2	9.7	13.3	9.8	13.4	9.9	13.5	9.9	13.5	10.0	13.6	10.0	13.6	10.0	13.6	10.1	13.8	10.1	13.8	10.2	13.9	10.2
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	11.5	9.0	11.1	8.8	11.0	8.7	10.9	8.6	10.9	8.6	10.5	8.2	10.7	8.4	10.6	8.3	10.6	8.3	10.5	8.2	10.5	8.2	10.6	8.3	11.0	8.5	11.3	8.7	11.5	8.9	11.7	9.0	11.9	9.2	12.0	9.3	12.1	9.4	12.1	9.5	12.1	9.5	12.0	9.4	11.9	9.4	11.8	9.3
NE	12.3	9.4	12.0	9.3	11.9	9.2	11.9	9.1	11.8	9.1	11.5	8.7	11.6	8.9	11.6	8.8	11.6	8.8	11.5	8.7	11.5	8.7	11.6	8.8	12.1	9.1	12.9	9.5	13.1	9.7	13.1	9.7	13.0	9.8	13.0	9.8	13.1	9.9	13.1	9.9	13.1	10.0	12.9	9.9	12.8	9.8	12.6	9.7
E	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.7	9.4	12.6	9.3	12.6	9.3	12.6	9.3	12.5	9.2	12.7	9.3	13.3	9.6	14.2	10.2	14.6	10.4	14.7	10.5	14.5	10.5	14.3	10.4	14.1	10.4	14.2	10.5	14.1	10.5	14.0	10.4	13.9	10.3	13.6	10.2
SE	13.3	10.0	13.1	9.8	13.0	9.7	12.9	9.6	12.9	9.6	12.5	9.2	12.7	9.4	12.7	9.3	12.6	9.3	12.6	9.3	12.5	9.2	12.6	9.3	13.1	9.6	13.9	10.0	14.3	10.3	14.6	10.5	14.7	10.6	14.6	10.6	14.4	10.5	14.2	10.5	14.1	10.5	14.0	10.4	13.9	10.3	13.7	10.2
S	12.6	9.6	12.4	9.4	12.3	9.4	12.2	9.3	12.2	9.2	11.8	8.9	12.0	9.0	11.9	9.0	11.9	9.0	11.9	8.9	11.8	8.9	11.9	8.9	12.2	9.1	12.5	9.3	12.9	9.6	13.3	9.9	13.7	10.1	13.9	10.3	14.0	10.3	14.0	10.4	13.8	10.3	13.5	10.2	13.2	10.0	12.9	9.8
SW	14.3	10.4	13.9	10.2	13.8	10.1	13.7	10.0	13.7	10.0	13.3	9.6	13.5	9.8	13.4	9.7	13.4	9.7	13.4	9.7	13.3	9.6	13.4	9.7	13.7	9.9	14.0	10.1	14.3	10.3	14.5	10.5	14.7	10.6	15.1	10.8	15.5	11.1	15.8	11.3	16.0	11.4	15.9	11.4	15.7	11.2	15.0	10.9
W	15.0	10.8	14.4	10.5	14.3	10.4	14.2	10.3	14.2	10.2	13.8	9.9	14.0	10.0	13.9	10.0	13.9	10.0	13.9	9.9	13.8	9.9	13.9	9.9	14.2	10.1	14.5	10.4	14.8	10.5	15.0	10.7	15.2	10.9	15.4	11.0	15.7	11.2	16.2	11.5	16.6	11.7	16.8	11.8	16.7	11.7	15.9	11.3
NW	13.6	10.1	13.0	9.8	12.9	9.7	12.9	9.6	12.8	9.6	12.4	9.2	12.6	9.3	12.6	9.3	12.5	9.3	12.5	9.2	12.4	9.2	12.5	9.2	12.9	9.4	13.2	9.7	13.4	9.8	13.6	10.0	13.8	10.2	14.0	10.3	14.0	10.4	14.2	10.5	14.6	10.7	14.8	10.8	14.9	10.9	14.4	10.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.4	8.9	11.3	8.9	11.2	8.8	11.2	8.8	11.2	8.8	11.2	8.8	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.1	8.7	11.2	8.7	11.3	8.8	11.3	8.8	11.4	8.9	11.4	8.9	11.5	9.0	11.5	9.0	11.5	9.0	11.5	9.0	11.5	9.0	11.5	9.0
NE	12.4	9.4	12.3	9.4	12.2	9.3	12.2	9.3	12.2	9.3	12.2	9.3	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.1	9.2	12.3	9.3	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.5	9.5	12.4	9.5
E	13.5	10.0	13.4	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.2	9.7	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.4	9.8	13.7	10.0	13.8	10.0	13.8	10.1	13.7	10.1	13.7	10.1	13.6	10.0	13.6	10.1	13.6	10.1	13.6	10.0	13.6	10.0
SE	13.5	10.0	13.4	9.9	13.4	9.9	13.3	9.9	13.3	9.8	13.3	9.8	13.2	9.7	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.7	13.2	9.7	13.2	9.7	13.4	9.8	13.6	9.9	13.7	10.0	13.8	10.1	13.8	10.1	13.8	10.1	13.7	10.1	13.6	10.1	13.6	10.1	13.6	10.1	13.6	10.0
S	12.8	9.6	12.7	9.6	12.6	9.5	12.6	9.5	12.6	9.5	12.6	9.5	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.5	9.4	12.6	9.4	12.7	9.5	12.8	9.6	12.9	9.6	13.0	9.7	13.0	9.7	13.0	9.7	13.0	9.8	13.0	9.7	12.9	9.7	12.8	9.7
SW	14.5	10.5	14.3	10.4	14.2	10.3	14.2	10.3	14.2	10.3	14.1	10.2	14.0	10.2	14.1	10.2	14.1	10.2	14.1	10.2	14.1	10.2	14.0	10.1	14.1	10.2	14.2	10.2	14.2	10.3	14.3	10.3	14.4	10.4	14.4	10.4	14.5	10.5	14.6	10.5	14.7	10.6	14.8	10.6	14.7	10.6	14.7	10.6
W	15.1	10.8	14.9	10.7	14.7	10.6	14.7	10.5	14.7	10.5	14.7	10.5	14.6	10.4	14.6	10.5	14.6	10.4	14.6	10.4	14.6	10.4	14.6	10.4	14.6	10.4	14.7	10.5	14.8	10.5	14.8	10.6	14.9	10.6	15.0	10.7	15.0	10.7	15.1	10.8	15.2	10.8	15.3	10.9	15.4	10.9	15.3	10.9
NW	13.6	10.1	13.4	9.9	13.3	9.8	13.2	9.8	13.2	9.8	13.2	9.8	13.1	9.7	13.2	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.1	9.7	13.2	9.7	13.3	9.8	13.4	9.9	13.4	9.9	13.5	9.9	13.5	10.0	13.5	10.0	13.6	10.0	13.7	10.1	13.8	10.1	13.8	10.1
	R2 - 12cm Concrete+2 cm plaster																																															
R	9.6	5.8	7.0	3.2	8.1	4.3	7.7	3.9	7.7	3.9	7.2	3.4	6.8	3.0	7.8	3.6	11.8	6.0	17.5	9.2	22.3	12.1	26.4	14.5	29.6	16.6	31.4	17.8	32.4	18.6	32.2	18.9	30.9	18.4	27.7	16.8	23.5	14.6	18.2	11.6	13.4	8.8	11.0	7.2	10.3	6.5	9.8	6.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :MERSİN (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.9	6.9	8.9	6.8	8.8	6.8	8.8	6.7	8.2	6.1	8.6	6.5	8.5	6.5	8.5	6.4	8.4	6.4	8.4	6.3	8.6	6.5	9.2	6.8	9.8	7.2	10.1	7.5	10.5	7.7	10.7	7.8	10.8	7.9	10.8	8.0	10.8	8.0	10.6	7.9	10.4	7.8	10.2	7.6	10.0	7.5	9.6	7.2
NE	9.7	7.3	9.7	7.2	9.6	7.2	9.6	7.1	9.0	6.5	9.4	7.0	9.4	6.9	9.3	6.8	9.2	6.8	9.2	6.7	9.5	6.9	10.4	7.4	11.8	8.2	12.3	8.5	12.2	8.5	11.8	8.4	11.6	8.3	11.6	8.4	11.6	8.4	11.4	8.3	11.2	8.2	10.9	7.9	10.4	7.7	10.0	7.4
E	10.7	7.8	10.7	7.7	10.6	7.7	10.6	7.6	10.0	7.0	10.4	7.5	10.4	7.4	10.3	7.3	10.2	7.3	10.2	7.2	10.5	7.4	11.5	8.0	13.2	9.0	14.0	9.4	14.2	9.6	13.9	9.5	13.1	9.1	12.7	8.9	12.6	8.9	12.4	8.8	12.2	8.7	11.9	8.5	11.5	8.2	11.0	7.9
SE	10.7	7.8	10.7	7.7	10.6	7.7	10.6	7.6	10.0	7.0	10.4	7.5	10.4	7.4	10.3	7.3	10.2	7.3	10.2	7.2	10.4	7.4	11.2	7.8	12.7	8.7	13.6	9.2	14.1	9.5	14.2	9.6	13.8	9.5	13.2	9.2	12.6	8.9	12.4	8.8	12.2	8.7	11.9	8.5	11.4	8.2	11.0	7.9
S	10.3	7.6	10.3	7.5	10.2	7.5	10.2	7.4	9.6	6.8	10.0	7.2	9.9	7.2	9.9	7.1	9.8	7.1	9.8	7.0	10.0	7.2	10.5	7.5	11.1	7.9	11.8	8.3	12.5	8.7	13.1	9.0	13.4	9.2	13.6	9.4	13.4	9.3	12.8	9.0	12.1	8.6	11.4	8.2	11.0	8.0	10.6	7.7
SW	11.6	8.2	11.6	8.2	11.5	8.1	11.5	8.1	10.9	7.5	11.3	7.9	11.3	7.9	11.2	7.8	11.1	7.7	11.1	7.7	11.3	7.8	11.8	8.1	12.4	8.5	12.8	8.8	13.2	9.0	13.4	9.2	14.0	9.5	14.9	10.0	15.5	10.3	15.6	10.4	15.3	10.2	14.6	9.8	13.5	9.2	12.4	8.6
W	12.0	8.4	12.0	8.4	11.9	8.3	11.9	8.3	11.3	7.7	11.7	8.1	11.6	8.0	11.6	8.0	11.5	7.9	11.5	7.9	11.7	8.0	12.2	8.3	12.8	8.7	13.2	9.0	13.6	9.2	13.8	9.4	13.9	9.5	14.5	9.8	15.5	10.4	16.2	10.7	16.2	10.7	15.9	10.5	14.7	9.9	13.4	9.1
NW	10.7	7.8	10.6	7.7	10.6	7.7	10.5	7.6	9.9	7.0	10.4	7.4	10.3	7.4	10.2	7.3	10.2	7.2	10.2	7.2	10.3	7.3	10.9	7.7	11.5	8.1	11.9	8.3	12.2	8.6	12.4	8.7	12.5	8.8	12.6	8.9	12.9	9.0	13.6	9.4	13.9	9.5	13.9	9.5	13.1	9.0	12.0	8.5
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.5	7.2	9.3	7.0	9.3	7.0	9.3	7.0	9.3	7.0	9.1	6.8	9.2	6.9	9.2	6.9	9.2	6.9	9.1	6.9	9.1	6.9	9.2	6.9	9.4	7.0	9.6	7.2	9.7	7.2	9.8	7.3	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.9	7.4	9.8	7.3	9.7	7.3	9.7	7.2
NE	10.3	7.5	10.2	7.5	10.2	7.5	10.2	7.5	10.2	7.4	10.0	7.2	10.1	7.4	10.1	7.4	10.1	7.3	10.0	7.3	10.0	7.3	10.1	7.4	10.4	7.5	10.9	7.8	11.0	7.9	11.0	7.9	10.9	7.8	10.8	7.8	10.8	7.9	10.8	7.9	10.8	7.8	10.7	7.8	10.6	7.7	10.4	7.6
E	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.3	8.0	11.1	7.8	11.2	7.9	11.2	7.9	11.2	7.9	11.2	7.9	11.2	7.9	11.3	7.9	11.6	8.1	12.1	8.4	12.4	8.6	12.5	8.6	12.3	8.6	12.1	8.5	12.0	8.4	11.9	8.4	11.9	8.4	11.8	8.3	11.7	8.3	11.6	8.2
SE	11.4	8.1	11.3	8.1	11.3	8.0	11.3	8.0	11.3	8.0	11.1	7.8	11.2	7.9	11.2	7.9	11.2	7.9	11.2	7.9	11.2	7.9	11.2	7.9	11.5	8.1	12.0	8.3	12.2	8.5	12.4	8.6	12.4	8.6	12.3	8.6	12.1	8.5	11.9	8.4	11.9	8.4	11.8	8.3	11.7	8.3	11.6	8.2
S	10.9	7.9	10.9	7.8	10.9	7.8	10.8	7.8	10.8	7.8	10.6	7.6	10.8	7.7	10.8	7.7	10.7	7.7	10.7	7.7	10.7	7.6	10.8	7.7	10.9	7.8	11.1	7.9	11.3	8.0	11.6	8.2	11.8	8.3	11.9	8.4	11.9	8.4	11.8	8.4	11.7	8.3	11.4	8.2	11.2	8.0	11.1	8.0
SW	12.6	8.7	12.3	8.5	12.3	8.5	12.3	8.5	12.3	8.5	12.1	8.3	12.2	8.4	12.2	8.4	12.2	8.4	12.2	8.4	12.1	8.4	12.2	8.4	12.4	8.5	12.6	8.6	12.7	8.7	12.8	8.8	12.9	8.9	13.1	9.0	13.4	9.1	13.6	9.2	13.6	9.2	13.5	9.2	13.3	9.1	12.9	8.9
W	13.2	9.0	12.8	8.8	12.7	8.7	12.7	8.7	12.7	8.7	12.5	8.5	12.7	8.7	12.6	8.6	12.6	8.6	12.6	8.6	12.6	8.6	12.6	8.6	12.8	8.7	13.0	8.9	13.1	9.0	13.2	9.0	13.3	9.1	13.4	9.1	13.6	9.2	13.9	9.4	14.1	9.5	14.1	9.5	14.0	9.4	13.6	9.2
NW	11.7	8.2	11.3	8.0	11.3	8.0	11.2	8.0	11.2	8.0	11.0	7.8	11.2	7.9	11.2	7.9	11.1	7.9	11.1	7.9	11.1	7.9	11.2	7.9	11.3	8.0	11.5	8.1	11.7	8.2	11.8	8.3	11.8	8.3	11.9	8.4	11.9	8.4	12.0	8.4	12.2	8.5	12.3	8.6	12.3	8.6	12.1	8.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.5	7.2	9.2	7.0	9.2	7.0	9.2	7.0	9.2	6.9	8.9	6.7	9.1	6.9	9.1	6.8	9.0	6.8	9.0	6.8	9.0	6.8	9.1	6.8	9.4	7.0	9.6	7.2	9.8	7.3	9.9	7.4	10.0	7.4	10.1	7.5	10.1	7.5	10.1	7.5	10.0	7.5	9.9	7.4	9.8	7.3	9.7	7.3
NE	10.2	7.5	10.1	7.5	10.1	7.4	10.1	7.4	10.1	7.4	9.8	7.1	10.0	7.3	10.0	7.3	9.9	7.3	9.9	7.2	9.9	7.2	10.0	7.3	10.4	7.5	11.0	7.9	11.2	8.0	11.2	8.0	11.0	7.9	10.9	7.9	11.0	8.0	10.9	7.9	10.9	7.9	10.8	7.8	10.6	7.7	10.4	7.6
E	11.3	8.1	11.2	8.0	11.2	8.0	11.2	8.0	11.2	7.9	10.9	7.7	11.1	7.9	11.1	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.1	7.8	11.6	8.1	12.3	8.5	12.7	8.7	12.8	8.8	12.6	8.7	12.3	8.6	12.1	8.5	12.0	8.5	12.0	8.5	11.9	8.4	11.7	8.3	11.5	8.2
SE	11.3	8.1	11.2	8.0	11.2	8.0	11.2	8.0	11.2	7.9	10.9	7.7	11.1	7.9	11.1	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.1	7.8	11.5	8.0	12.1	8.4	12.5	8.6	12.7	8.8	12.7	8.8	12.6	8.7	12.3	8.6	12.0	8.5	12.0	8.5	11.9	8.4	11.7	8.3	11.5	8.2
S	10.9	7.8	10.8	7.8	10.8	7.8	10.7	7.7	10.7	7.7	10.4	7.4	10.6	7.6	10.6	7.6	10.6	7.6	10.6	7.6	10.5	7.5	10.6	7.6	10.9	7.7	11.1	7.9	11.4	8.1	11.7	8.3	12.0	8.4	12.1	8.5	12.2	8.6	12.1	8.5	11.9	8.4	11.6	8.2	11.3	8.1	11.1	8.0
SW	12.5	8.7	12.2	8.5	12.2	8.5	12.2	8.4	12.1	8.4	11.9	8.2	12.1	8.3	12.0	8.3	12.0	8.3	12.0	8.3	12.0	8.3	12.0	8.3	12.3	8.5	12.6	8.6	12.7	8.7	12.9	8.8	13.0	8.9	13.2	9.1	13.6	9.3	13.9	9.4	13.9	9.4	13.8	9.3	13.5	9.2	13.0	8.9
W	13.2	9.0	12.6	8.7	12.6	8.7	12.6	8.7	12.6	8.6	12.3	8.4	12.5	8.6	12.5	8.5	12.4	8.5	12.4	8.5	12.4	8.5	12.5	8.5	12.7	8.7	13.0	8.8	13.2	9.0	13.3	9.1	13.4	9.1	13.4	9.2	13.7	9.3	14.2	9.6	14.4	9.7	14.5	9.7	14.3	9.6	13.8	9.3
NW	11.8	8.3	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	10.8	7.6	11.0	7.8	11.0	7.8	11.0	7.8	11.0	7.8	10.9	7.7	11.0	7.8	11.3	7.9	11.5	8.1	11.7	8.2	11.8	8.3	11.9	8.4	12.0	8.4	12.0	8.5	12.1	8.5	12.4	8.7	12.6	8.7	12.6	8.7	12.2	8.5
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.5	7.2	9.2	7.0	9.2	7.0	9.1	6.9	9.1	6.9	8.8	6.6	9.0	6.8	9.0	6.8	9.0	6.8	8.9	6.7	8.9	6.7	9.0	6.8	9.3	7.0	9.7	7.2	9.8	7.3	10.0	7.4	10.1	7.5	10.2	7.5	10.2	7.6	10.2	7.6	10.1	7.5	10.0	7.5	9.9	7.4	9.8	7.3
NE	10.2	7.5	10.1	7.4	10.0	7.4	10.0	7.4	10.0	7.3	9.7	7.0	9.9	7.3	9.9	7.2	9.8	7.2	9.8	7.2	9.8	7.1	9.9	7.2	10.4	7.5	11.1	7.9	11.4	8.1	11.4	8.1	11.1	8.0	11.0	8.0	11.1	8.0	11.0	8.0	11.0	8.0	10.8	7.9	10.7	7.8	10.4	7.6
E	11.3	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.1	7.9	10.8	7.6	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	10.9	7.7	11.0	7.8	11.5	8.1	12.5	8.6	12.9	8.8	13.0	8.9	12.8	8.8	12.4	8.7	12.2	8.6	12.1	8.6	12.0	8.5	11.9	8.4	11.7	8.3	11.5	8.2
SE	11.3	8.0	11.2	8.0	11.1	7.9	11.1	7.9	11.1	7.9	10.8	7.6	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	10.9	7.7	11.0	7.8	11.4	8.0	12.2	8.4	12.6	8.7	12.9	8.9	13.0	8.9	12.8	8.8	12.4	8.7	12.1	8.6	12.0	8.5	11.9	8.4	11.7	8.3	11.5	8.2
S	10.8	7.8	10.7	7.7	10.7	7.7	10.7	7.7	10.6	7.7	10.3	7.4	10.5	7.6	10.5	7.6	10.5	7.5	10.4	7.5	10.4	7.5	10.5	7.5	10.8	7.7	11.1	7.9	11.5	8.1	11.8	8.3	12.1	8.5	12.3	8.6	12.4	8.7	12.3	8.6	12.0	8.5	11.6	8.3	11.3	8.1	11.1	8.0
SW	12.5	8.7	12.1	8.4	12.1	8.4	12.1	8.4	12.0	8.4	11.7	8.1	11.9	8.3	11.9	8.3	11.9	8.2	11.8	8.2	11.8	8.2	11.9	8.2	12.2	8.4	12.5	8.6	12.8	8.8	12.9	8.9	13.0	9.0	13.4	9.1	13.8	9.4	14.1	9.6	14.2	9.6	14.0	9.5	13.7	9.3	13.1	9.0
W	13.3	9.0	12.5	8.7	12.5	8.6	12.5	8.6	12.5	8.6	12.1	8.3	12.4	8.5	12.3	8.5	12.3	8.4	12.3	8.4	12.3	8.4	12.3	8.4	12.6	8.6	13.0	8.8	13.2	9.0	13.3	9.1	13.5	9.2	13.5	9.2	13.8	9.4	14.4	9.7	14.7	9.8	14.7	9.8	14.6	9.7	14.0	9.4
NW	11.8	8.3	11.1	7.9	11.1	7.9	11.1	7.9	11.0	7.9	10.7	7.5	10.9	7.8	10.9	7.8	10.9	7.7	10.8	7.7	10.8	7.7	10.9	7.7	11.2	7.9	11.5	8.1	11.7	8.3	11.9	8.4	12.0	8.5	12.1	8.5	12.1	8.5	12.2	8.6	12.6	8.8	12.8	8.9	12.8	8.8	12.4	8.6
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	14.9	7.9	14.9	7.9	14.9	7.8	14.8	7.8	14.7	7.7	14.8	7.8	14.8	7.8	14.8	7.7	14.7	7.7	14.7	7.7	14.8	7.8	15.1	7.9	15.5	8.2	15.9	8.4	16.3	8.6	16.5	8.7	16.7	8.8	16.8	8.9	16.7	8.8	16.5	8.7	16.1	8.5	15.8	8.3	15.4	8.1	15.0	7.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY :MERSİN (37.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	8.5	6.6	8.4	6.6	8.3	6.5	7.3	5.5	8.0	6.2	7.9	6.1	7.8	6.0	7.7	5.9	7.7	5.8	8.0	6.1	9.0	6.6	10.0	7.3	10.5	7.7	11.1	8.0	11.4	8.3	11.6	8.4	11.7	8.6	11.6	8.6	11.3	8.4	11.0	8.2	10.6	7.9	10.4	7.7	9.6	7.3	8.5	6.7
NE	9.2	7.0	9.1	6.9	9.0	6.8	8.0	5.8	8.7	6.5	8.7	6.5	8.5	6.3	8.4	6.2	8.4	6.2	8.8	6.5	10.3	7.3	12.7	8.6	13.4	9.1	13.3	9.2	12.6	8.9	12.3	8.8	12.4	8.9	12.3	8.9	12.1	8.8	11.7	8.5	11.1	8.2	10.4	7.8	9.6	7.3	9.3	7.1
E	10.1	7.4	10.0	7.4	9.9	7.3	8.9	6.3	9.6	7.0	9.6	6.9	9.4	6.8	9.3	6.7	9.3	6.6	9.7	6.9	11.4	7.8	14.3	9.5	15.6	10.2	15.9	10.5	15.4	10.3	14.1	9.7	13.3	9.4	13.2	9.4	13.0	9.2	12.6	9.0	12.0	8.6	11.3	8.2	10.6	7.8	10.2	7.5
SE	10.1	7.4	10.0	7.4	9.9	7.3	8.9	6.3	9.6	7.0	9.5	6.9	9.4	6.8	9.3	6.7	9.3	6.6	9.6	6.9	11.0	7.6	13.4	9.0	14.9	9.8	15.7	10.3	15.8	10.5	15.3	10.3	14.2	9.8	13.2	9.4	13.0	9.2	12.6	9.0	12.0	8.6	11.3	8.2	10.5	7.7	10.2	7.5
S	9.7	7.3	9.6	7.2	9.5	7.1	8.5	6.1	9.3	6.8	9.2	6.7	9.1	6.6	9.0	6.5	8.9	6.5	9.2	6.7	10.1	7.2	11.1	7.9	12.2	8.5	13.4	9.2	14.3	9.8	14.9	10.1	15.1	10.3	14.8	10.2	13.9	9.7	12.7	9.1	11.6	8.4	11.0	8.0	10.2	7.6	9.8	7.3
SW	10.9	7.8	10.8	7.8	10.7	7.7	9.7	6.7	10.4	7.4	10.4	7.3	10.2	7.2	10.1	7.1	10.1	7.0	10.4	7.2	11.3	7.8	12.3	8.5	13.0	8.9	13.5	9.2	13.9	9.5	14.9	10.1	16.3	10.9	17.3	11.4	17.5	11.5	16.9	11.2	15.9	10.6	14.0	9.6	12.2	8.6	11.0	7.9
W	11.2	8.0	11.2	7.9	11.1	7.8	10.1	6.9	10.8	7.6	10.7	7.5	10.6	7.4	10.5	7.3	10.4	7.2	10.7	7.4	11.6	7.9	12.6	8.6	13.3	9.1	13.8	9.4	14.2	9.7	14.4	9.8	15.4	10.4	17.1	11.3	18.1	11.8	18.3	11.8	17.7	11.5	15.8	10.5	13.6	9.3	11.3	8.1
NW	10.0	7.4	10.0	7.3	9.9	7.2	8.9	6.3	9.6	7.0	9.5	6.9	9.4	6.8	9.3	6.7	9.2	6.6	9.5	6.8	10.4	7.3	11.4	8.0	12.1	8.5	12.6	8.8	13.0	9.1	13.2	9.2	13.3	9.4	13.7	9.6	14.9	10.2	15.4	10.4	15.4	10.3	14.1	9.6	12.3	8.6	10.1	7.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.6	7.2	9.5	7.1	9.4	7.1	9.4	7.1	9.4	7.1	9.4	7.1	9.3	7.0	9.4	7.0	9.3	7.0	9.3	7.0	9.3	7.0	9.3	7.0	9.4	7.0	9.5	7.1	9.5	7.1	9.6	7.2	9.6	7.2	9.7	7.2	9.7	7.2	9.7	7.3	9.7	7.3	9.7	7.2	9.6	7.2	9.6	7.2
NE	10.4	7.6	10.4	7.6	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.2	7.4	10.3	7.5	10.3	7.5	10.3	7.5	10.2	7.5	10.2	7.5	10.3	7.5	10.4	7.6	10.7	7.7	10.7	7.7	10.7	7.7	10.7	7.7	10.6	7.7	10.6	7.7	10.6	7.7	10.6	7.7	10.6	7.7	10.5	7.6
E	11.6	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.4	8.0	11.4	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.4	8.0	11.4	8.1	11.6	8.1	11.9	8.3	12.0	8.4	12.0	8.4	12.0	8.4	11.9	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2
SE	11.6	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.4	8.0	11.4	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.4	8.0	11.4	8.1	11.6	8.1	11.8	8.3	11.9	8.3	12.0	8.4	12.0	8.4	12.0	8.4	11.9	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2
S	11.1	7.9	11.0	7.9	11.0	7.9	11.0	7.9	11.0	7.9	11.0	7.9	10.9	7.8	11.0	7.8	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.8	10.9	7.8	11.0	7.9	11.1	7.9	11.2	8.0	11.3	8.1	11.4	8.1	11.5	8.1	11.5	8.2	11.5	8.1	11.4	8.1	11.3	8.0	11.2	8.0
SW	12.8	8.8	12.6	8.7	12.5	8.6	12.5	8.6	12.5	8.6	12.5	8.6	12.4	8.5	12.4	8.6	12.4	8.6	12.4	8.6	12.4	8.5	12.4	8.5	12.4	8.6	12.5	8.6	12.6	8.7	12.7	8.7	12.7	8.7	12.8	8.8	12.9	8.8	13.0	8.9	13.1	9.0	13.1	9.0	13.1	8.9	13.0	8.9
W	13.4	9.1	13.2	9.0	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.8	8.7	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	13.0	8.8	13.1	8.9	13.1	8.9	13.2	9.0	13.2	9.0	13.2	9.0	13.3	9.1	13.5	9.2	13.6	9.2	13.6	9.2	13.5	9.2
NW	11.8	8.3	11.6	8.2	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.3	8.0	11.4	8.0	11.4	8.0	11.4	8.0	11.3	8.0	11.3	8.0	11.4	8.0	11.5	8.1	11.5	8.1	11.6	8.2	11.7	8.2	11.7	8.2	11.7	8.3	11.7	8.3	11.8	8.3	11.9	8.3	11.9	8.4	11.9	8.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.5	7.2	9.2	7.0	9.2	7.0	9.2	7.0	9.1	6.9	8.8	6.6	9.1	6.8	9.0	6.8	9.0	6.8	9.0	6.8	9.0	6.7	9.1	6.8	9.4	7.0	9.6	7.2	9.8	7.3	10.0	7.4	10.1	7.5	10.1	7.5	10.2	7.6	10.1	7.5	10.0	7.5	9.9	7.4	9.8	7.4	9.8	7.3
NE	10.2	7.5	10.1	7.4	10.1	7.4	10.0	7.4	10.0	7.4	9.7	7.1	9.9	7.3	9.9	7.3	9.9	7.2	9.8	7.2	9.8	7.2	10.0	7.3	10.4	7.5	11.1	7.9	11.3	8.0	11.3	8.1	11.1	8.0	11.0	7.9	11.0	8.0	11.0	8.0	10.9	7.9	10.8	7.9	10.6	7.8	10.4	7.6
E	11.3	8.1	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	10.8	7.6	11.0	7.8	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	11.1	7.8	11.6	8.1	12.4	8.6	12.8	8.8	12.9	8.9	12.7	8.8	12.3	8.6	12.1	8.5	12.1	8.5	12.0	8.5	11.9	8.4	11.7	8.3	11.5	8.2
SE	11.3	8.1	11.2	8.0	11.2	8.0	11.1	7.9	11.1	7.9	10.8	7.6	11.0	7.8	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	11.0	7.8	11.4	8.0	12.1	8.4	12.6	8.7	12.8	8.8	12.9	8.9	12.7	8.8	12.4	8.7	12.1	8.5	12.0	8.5	11.9	8.4	11.7	8.3	11.5	8.2
S	10.9	7.8	10.7	7.8	10.7	7.7	10.7	7.7	10.7	7.7	10.4	7.4	10.6	7.6	10.6	7.6	10.5	7.5	10.5	7.5	10.5	7.5	10.6	7.6	10.8	7.7	11.1	7.9	11.4	8.1	11.8	8.3	12.1	8.5	12.2	8.6	12.3	8.6	12.2	8.6	12.0	8.5	11.6	8.3	11.3	8.1	11.1	8.0
SW	12.5	8.7	12.2	8.5	12.1	8.4	12.1	8.4	12.1	8.4	11.8	8.1	12.0	8.3	12.0	8.3	11.9	8.3	11.9	8.2	11.9	8.2	12.0	8.3	12.2	8.4	12.5	8.6	12.7	8.8	12.9	8.9	13.0	8.9	13.3	9.1	13.7	9.3	14.0	9.5	14.1	9.5	13.9	9.4	13.6	9.2	13.1	9.0
W	13.3	9.0	12.6	8.7	12.6	8.7	12.5	8.6	12.5	8.6	12.2	8.3	12.4	8.5	12.4	8.5	12.4	8.5	12.3	8.4	12.3	8.4	12.4	8.5	12.7	8.6	13.0	8.8	13.2	9.0	13.3	9.1	13.4	9.2	13.5	9.2	13.8	9.4	14.3	9.6	14.6	9.8	14.6	9.8	14.5	9.7	13.9	9.4
NW	11.8	8.3	11.1	8.0	11.1	7.9	11.1	7.9	11.1	7.9	10.8	7.6	11.0	7.8	11.0	7.8	10.9	7.7	10.9	7.7	10.9	7.7	11.0	7.8	11.2	7.9	11.5	8.1	11.7	8.2	11.9	8.3	12.0	8.4	12.0	8.5	12.1	8.5	12.2	8.6	12.5	8.7	12.7	8.8	12.7	8.8	12.3	8.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.6	7.2	9.5	7.1	9.4	7.1	9.4	7.1	9.4	7.1	9.4	7.1	9.3	7.0	9.4	7.0	9.4	7.0	9.4	7.0	9.4	7.0	9.4	7.0	9.4	7.0	9.5	7.1	9.5	7.1	9.6	7.2	9.6	7.2	9.6	7.2	9.7	7.2	9.7	7.2	9.7	7.2	9.6	7.2	9.6	7.2	9.6	7.2
NE	10.4	7.6	10.4	7.6	10.4	7.6	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.3	7.5	10.4	7.6	10.6	7.7	10.7	7.7	10.7	7.7	10.6	7.7	10.6	7.7	10.6	7.7	10.6	7.7	10.6	7.7	10.5	7.7	10.5	7.6
E	11.6	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.4	8.0	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.2	11.8	8.3	11.9	8.3	12.0	8.4	11.9	8.3	11.8	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.6	8.2
SE	11.6	8.2	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.5	8.1	11.4	8.0	11.5	8.1	11.5	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.5	8.1	11.6	8.1	11.8	8.2	11.9	8.3	11.9	8.3	11.9	8.4	11.9	8.3	11.8	8.3	11.7	8.3	11.7	8.3	11.7	8.2	11.6	8.2
S	11.1	7.9	11.1	7.9	11.0	7.9	11.0	7.9	11.0	7.9	11.0	7.9	10.9	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.0	7.8	11.1	7.9	11.1	7.9	11.2	8.0	11.3	8.0	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.3	8.1	11.3	8.0	11.2	8.0
SW	12.8	8.8	12.6	8.7	12.5	8.6	12.5	8.6	12.5	8.6	12.5	8.6	12.4	8.5	12.5	8.6	12.5	8.6	12.5	8.6	12.5	8.6	12.4	8.6	12.5	8.6	12.5	8.6	12.6	8.7	12.7	8.7	12.7	8.7	12.7	8.8	12.8	8.8	12.9	8.9	13.0	8.9	13.0	8.9	13.0	8.9	12.9	8.8
W	13.3	9.0	13.1	9.0	13.0	8.9	13.0	8.9	13.0	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	12.9	8.8	13.0	8.8	13.1	8.9	13.1	8.9	13.2	9.0	13.2	9.0	13.2	9.0	13.3	9.0	13.4	9.1	13.5	9.2	13.5	9.2	13.5	9.1
NW	11.8	8.3	11.6	8.2	11.4	8.1	11.4	8.1	11.4	8.1	11.4	8.1	11.3	8.0	11.4	8.1	11.4	8.1	11.4	8.0	11.4	8.0	11.4	8.0	11.4	8.0	11.5	8.1	11.5	8.1	11.6	8.2	11.6	8.2	11.7	8.2	11.7	8.2	11.7	8.2	11.7	8.3	11.8	8.3	11.9	8.3	11.9	8.3
	R2 - 12cm Concrete+2 cm plaster																																															
R	8.2	4.4	6.1	2.3	7.6	3.8	7.4	3.6	7.2	3.4	7.0	3.2	6.9	3.1	7.8	3.6	11.2	5.5	16.4	8.5	21.0	11.0	25.0	13.2	28.2	15.0	30.1	16.1	30.9	16.6	30.0	16.2	27.3	14.9	23.3	12.8	19.0	10.5	14.3	7.9	10.3	5.8	8.8	4.9	8.5	4.7	8.4	4.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:MUĞLA (37.12)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.0	7.9	9.8	7.7	9.6	7.6	9.4	7.4	9.1	7.1	9.3	7.3	9.2	7.2	9.2	7.1	9.1	7.0	9.0	7.0	9.2	7.0	9.9	7.5	10.6	8.0	11.1	8.5	11.7	8.9	12.3	9.4	12.6	9.7	12.7	9.8	12.7	9.8	12.5	9.7	12.2	9.5	11.9	9.3	11.4	8.9	10.4	8.2
NE	11.0	8.5	10.8	8.2	10.6	8.1	10.5	7.9	10.1	7.6	10.3	7.8	10.3	7.7	10.2	7.6	10.1	7.5	10.0	7.5	10.2	7.6	11.2	8.2	13.1	9.3	13.6	9.7	13.7	9.9	13.5	10.0	13.7	10.2	13.8	10.3	13.7	10.4	13.5	10.2	13.2	10.0	12.8	9.7	12.1	9.3	11.4	8.7
E	12.0	8.9	11.8	8.7	11.6	8.6	11.5	8.4	11.1	8.1	11.3	8.3	11.3	8.2	11.2	8.1	11.1	8.0	11.0	8.0	11.2	8.1	12.3	8.7	14.7	10.0	15.4	10.6	15.7	10.9	15.5	11.0	15.0	10.9	14.8	10.8	14.7	10.9	14.5	10.7	14.2	10.5	13.8	10.2	13.1	9.8	12.3	9.2
SE	12.0	9.0	11.8	8.7	11.6	8.6	11.5	8.4	11.2	8.1	11.3	8.3	11.3	8.2	11.2	8.1	11.1	8.0	11.0	8.0	11.2	8.0	12.1	8.6	14.0	9.7	15.0	10.4	15.6	10.9	15.8	11.1	15.6	11.2	15.2	11.0	14.7	10.9	14.6	10.7	14.2	10.5	13.8	10.2	13.2	9.8	12.4	9.2
S	11.3	8.6	11.0	8.3	10.9	8.2	10.7	8.0	10.4	7.7	10.6	7.9	10.5	7.8	10.4	7.7	10.3	7.6	10.3	7.6	10.4	7.6	11.1	8.1	11.7	8.6	12.6	9.2	13.6	9.9	14.4	10.5	14.9	10.8	15.0	10.9	14.9	10.9	14.4	10.7	13.7	10.3	13.0	9.8	12.4	9.4	11.6	8.9
SW	12.1	9.0	11.9	8.8	11.8	8.6	11.6	8.5	11.3	8.1	11.5	8.3	11.4	8.3	11.3	8.2	11.2	8.1	11.2	8.0	11.3	8.1	12.0	8.5	12.6	9.0	13.3	9.5	13.9	10.0	14.4	10.5	15.2	11.0	15.9	11.4	16.4	11.7	16.4	11.7	16.1	11.5	15.6	11.1	14.1	10.3	12.5	9.3
W	12.3	9.1	12.1	8.9	12.0	8.7	11.8	8.6	11.5	8.2	11.7	8.4	11.6	8.4	11.5	8.3	11.4	8.2	11.4	8.1	11.5	8.2	12.2	8.6	12.8	9.1	13.5	9.6	14.1	10.1	14.6	10.6	15.0	10.9	15.5	11.2	16.3	11.6	16.7	11.8	16.8	11.8	16.6	11.6	14.9	10.7	12.7	9.4
NW	11.3	8.6	11.1	8.4	10.9	8.2	10.7	8.0	10.4	7.7	10.6	7.9	10.5	7.8	10.5	7.8	10.4	7.7	10.3	7.6	10.4	7.7	11.1	8.1	11.8	8.6	12.4	9.1	13.0	9.6	13.6	10.0	13.9	10.3	14.0	10.5	14.2	10.6	14.7	10.8	14.9	10.9	14.9	10.8	13.7	10.0	11.7	8.9
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	10.5	8.2	10.4	8.1	10.4	8.1	10.3	8.0	10.2	8.0	10.1	7.9	10.2	7.9	10.2	7.9	10.2	7.9	10.1	7.8	10.1	7.8	10.2	7.8	10.4	8.0	10.6	8.2	10.8	8.3	11.0	8.5	11.2	8.6	11.3	8.7	11.3	8.7	11.3	8.8	11.2	8.7	11.1	8.6	11.0	8.6	10.9	8.5
NE	11.7	8.8	11.6	8.7	11.5	8.6	11.4	8.6	11.4	8.5	11.3	8.4	11.3	8.5	11.3	8.5	11.3	8.4	11.3	8.4	11.2	8.4	11.3	8.4	11.6	8.6	12.2	9.0	12.4	9.1	12.4	9.2	12.4	9.2	12.4	9.3	12.4	9.3	12.4	9.3	12.4	9.3	12.3	9.2	12.1	9.1	11.9	9.0
E	12.8	9.3	12.7	9.3	12.6	9.2	12.5	9.1	12.5	9.1	12.4	9.0	12.4	9.0	12.4	9.0	12.4	9.0	12.4	9.0	12.3	8.9	12.4	9.0	12.8	9.2	13.5	9.6	13.8	9.8	13.8	9.9	13.8	9.9	13.6	9.9	13.5	9.9	13.5	9.9	13.5	9.8	13.4	9.8	13.2	9.7	13.0	9.5
SE	12.8	9.4	12.7	9.3	12.6	9.2	12.5	9.1	12.5	9.1	12.4	9.0	12.4	9.0	12.4	9.0	12.4	9.0	12.4	9.0	12.4	8.9	12.4	9.0	12.7	9.2	13.3	9.5	13.6	9.7	13.8	9.9	13.9	10.0	13.8	10.0	13.7	9.9	13.5	9.9	13.5	9.8	13.4	9.8	13.2	9.7	13.0	9.5
S	11.9	8.9	11.8	8.8	11.7	8.8	11.7	8.7	11.6	8.7	11.5	8.6	11.6	8.6	11.6	8.6	11.6	8.6	11.5	8.5	11.5	8.5	11.5	8.5	11.8	8.7	12.0	8.8	12.3	9.0	12.6	9.3	12.8	9.4	13.0	9.6	13.0	9.6	13.0	9.6	12.8	9.5	12.6	9.4	12.4	9.2	12.2	9.1
SW	12.9	9.4	12.8	9.3	12.7	9.3	12.7	9.2	12.6	9.1	12.5	9.0	12.6	9.1	12.6	9.1	12.5	9.1	12.5	9.0	12.5	9.0	12.5	9.0	12.7	9.2	12.9	9.3	13.2	9.5	13.4	9.6	13.5	9.8	13.8	10.0	14.0	10.1	14.2	10.2	14.2	10.2	14.1	10.1	13.9	10.0	13.4	9.7
W	13.2	9.5	13.0	9.4	13.0	9.4	12.9	9.3	12.8	9.3	12.7	9.2	12.8	9.2	12.8	9.2	12.8	9.2	12.7	9.1	12.7	9.1	12.7	9.1	13.0	9.3	13.2	9.4	13.4	9.6	13.6	9.8	13.8	9.9	13.9	10.0	14.0	10.1	14.3	10.3	14.4	10.3	14.5	10.3	14.4	10.3	13.9	9.9
NW	12.0	9.0	11.9	8.9	11.8	8.8	11.7	8.7	11.7	8.7	11.6	8.6	11.6	8.6	11.6	8.6	11.6	8.6	11.6	8.6	11.5	8.5	11.6	8.6	11.8	8.7	12.0	8.9	12.2	9.0	12.4	9.2	12.6	9.3	12.7	9.4	12.7	9.5	12.8	9.5	13.0	9.6	13.0	9.6	13.0	9.6	12.6	9.3
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	10.5	8.2	10.4	8.1	10.3	8.0	10.2	7.9	10.1	7.9	10.0	7.7	10.1	7.8	10.0	7.8	10.0	7.7	9.9	7.7	9.9	7.7	10.0	7.7	10.3	7.9	10.6	8.1	10.9	8.3	11.1	8.5	11.3	8.7	11.5	8.9	11.6	8.9	11.5	8.9	11.5	8.9	11.3	8.8	11.2	8.7	11.0	8.5
NE	11.6	8.8	11.5	8.7	11.4	8.6	11.3	8.5	11.2	8.4	11.1	8.3	11.2	8.4	11.1	8.3	11.1	8.3	11.1	8.3	11.0	8.2	11.1	8.3	11.6	8.5	12.4	9.0	12.6	9.2	12.6	9.3	12.6	9.3	12.6	9.4	12.7	9.5	12.7	9.5	12.6	9.4	12.4	9.4	12.2	9.2	12.0	9.0
E	12.7	9.3	12.6	9.2	12.5	9.1	12.4	9.0	12.3	9.0	12.2	8.8	12.3	8.9	12.2	8.9	12.2	8.8	12.1	8.8	12.1	8.8	12.2	8.8	12.7	9.1	13.7	9.7	14.0	9.9	14.1	10.1	14.1	10.1	13.9	10.1	13.7	10.0	13.7	10.0	13.7	10.0	13.5	9.9	13.3	9.8	13.0	9.6
SE	12.7	9.3	12.6	9.2	12.5	9.1	12.4	9.0	12.3	9.0	12.2	8.8	12.3	8.9	12.2	8.9	12.2	8.8	12.2	8.8	12.1	8.8	12.2	8.8	12.6	9.1	13.4	9.5	13.8	9.8	14.1	10.0	14.2	10.2	14.1	10.2	13.9	10.1	13.7	10.0	13.7	10.0	13.5	9.9	13.3	9.8	13.0	9.6
S	11.9	8.9	11.7	8.8	11.6	8.7	11.6	8.6	11.5	8.5	11.3	8.4	11.4	8.5	11.4	8.5	11.4	8.4	11.3	8.4	11.3	8.4	11.3	8.4	11.6	8.6	11.9	8.8	12.3	9.1	12.8	9.4	13.1	9.6	13.3	9.8	13.4	9.8	13.3	9.8	13.1	9.7	12.8	9.5	12.5	9.3	12.2	9.2
SW	12.8	9.4	12.7	9.3	12.6	9.2	12.5	9.1	12.4	9.0	12.3	8.9	12.4	9.0	12.4	8.9	12.3	8.9	12.3	8.9	12.3	8.8	12.3	8.9	12.6	9.1	12.9	9.3	13.2	9.5	13.4	9.7	13.7	9.9	14.0	10.1	14.3	10.3	14.5	10.4	14.6	10.4	14.4	10.4	14.2	10.2	13.5	9.8
W	13.1	9.5	12.9	9.4	12.8	9.3	12.7	9.2	12.7	9.1	12.5	9.0	12.6	9.1	12.6	9.1	12.5	9.0	12.5	9.0	12.5	9.0	12.5	9.0	12.8	9.2	13.1	9.4	13.4	9.6	13.7	9.8	13.9	10.0	14.1	10.2	14.3	10.3	14.6	10.5	14.8	10.6	14.9	10.6	14.8	10.5	14.0	10.1
NW	11.9	8.9	11.8	8.8	11.7	8.7	11.6	8.6	11.5	8.6	11.4	8.4	11.5	8.5	11.4	8.5	11.4	8.4	11.4	8.4	11.3	8.4	11.4	8.4	11.7	8.6	12.0	8.8	12.3	9.0	12.5	9.2	12.8	9.4	12.9	9.6	13.0	9.6	13.0	9.7	13.3	9.8	13.3	9.8	13.3	9.8	12.8	9.4
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	10.5	8.2	10.3	8.1	10.2	8.0	10.1	7.9	10.0	7.8	9.8	7.6	9.9	7.7	9.9	7.7	9.9	7.6	9.8	7.6	9.8	7.6	9.9	7.6	10.3	7.9	10.6	8.1	10.9	8.3	11.2	8.6	11.5	8.8	11.7	9.0	11.7	9.1	11.7	9.1	11.6	9.0	11.5	8.9	11.3	8.8	11.0	8.6
NE	11.6	8.8	11.4	8.6	11.3	8.5	11.2	8.4	11.1	8.3	10.9	8.2	11.0	8.3	11.0	8.2	11.0	8.2	10.9	8.1	10.9	8.1	11.0	8.2	11.5	8.5	12.5	9.0	12.7	9.3	12.8	9.4	12.7	9.4	12.8	9.5	12.8	9.6	12.8	9.6	12.7	9.6	12.5	9.5	12.3	9.3	12.0	9.1
E	12.6	9.3	12.5	9.2	12.4	9.1	12.3	9.0	12.2	8.9	12.0	8.7	12.1	8.8	12.1	8.8	12.0	8.7	12.0	8.7	12.0	8.7	12.1	8.7	12.6	9.0	13.9	9.7	14.2	10.0	14.4	10.2	14.3	10.2	14.1	10.2	13.9	10.1	13.9	10.2	13.8	10.1	13.6	10.0	13.4	9.8	13.1	9.6
SE	12.7	9.3	12.5	9.2	12.4	9.1	12.3	9.0	12.2	8.9	12.0	8.7	12.1	8.8	12.1	8.8	12.0	8.7	12.0	8.7	12.0	8.7	12.0	8.7	12.5	9.0	13.5	9.5	14.0	9.9	14.3	10.2	14.4	10.3	14.4	10.3	14.1	10.3	13.9	10.2	13.8	10.1	13.6	10.0	13.4	9.8	13.1	9.6
S	11.8	8.9	11.7	8.8	11.5	8.6	11.5	8.6	11.4	8.5	11.2	8.3	11.3	8.4	11.3	8.4	11.2	8.3	11.2	8.3	11.1	8.2	11.2	8.3	11.6	8.5	11.9	8.8	12.4	9.1	12.9	9.4	13.3	9.7	13.5	9.9	13.6	10.0	13.5	10.0	13.3	9.9	12.9	9.6	12.6	9.4	12.2	9.2
SW	12.8	9.4	12.6	9.2	12.5	9.1	12.4	9.0	12.3	8.9	12.1	8.8	12.2	8.9	12.2	8.8	12.2	8.8	12.1	8.7	12.1	8.7	12.1	8.8	12.5	9.0	12.8	9.2	13.2	9.5	13.5	9.8	13.8	10.0	14.2	10.3	14.6	10.5	14.8	10.6	14.8	10.6	14.7	10.5	14.4	10.3	13.6	9.9
W	13.0	9.5	12.8	9.3	12.7	9.2	12.6	9.1	12.5	9.1	12.4	8.9	12.5	9.0	12.4	9.0	12.4	8.9	12.3	8.9	12.3	8.8	12.4	8.9	12.7	9.1	13.1	9.3	13.4	9.6	13.7	9.9	14.0	10.1	14.2	10.3	14.5	10.4	14.9	10.7	15.1	10.8	15.1	10.8	15.0	10.7	14.2	10.2
NW	11.9	8.9	11.7	8.8	11.6	8.7	11.5	8.6	11.4	8.5	11.2	8.3	11.3	8.4	11.3	8.4	11.3	8.3	11.2	8.3	11.2	8.3	11.2	8.3	11.6	8.5	11.9	8.8	12.3	9.0	12.6	9.3	12.9	9.5	13.1	9.7	13.1	9.8	13.2	9.8	13.5	9.9	13.6	10.0	13.6	9.9	12.9	9.5
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	15.2	8.6	15.1	8.5	15.0	8.4	15.0	8.4	14.9	8.3	15.0	8.4	14.9	8.3	14.9	8.3	14.9	8.3	14.9	8.3	14.9	8.3	15.3	8.5	15.8	8.8	16.2	9.1	16.6	9.3	16.9	9.5	17.0	9.6	17.1	9.7	17.0	9.6	16.8	9.5	16.5	9.4	16.2	9.2	15.7	8.9	15.3	8.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:MUĞLA (37.12)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	9.2	7.4	9.0	7.1	8.7	6.8	8.2	6.3	8.5	6.6	8.4	6.5	8.2	6.4	8.1	6.2	8.0	6.1	8.2	6.3	9.5	7.1	10.5	7.8	11.5	8.6	12.4	9.4	13.3	10.1	13.9	10.6	14.1	10.8	14.1	10.9	13.8	10.7	13.2	10.4	12.7	10.0	11.9	9.4	10.2	8.2	9.6	7.8
NE	10.2	7.8	9.9	7.6	9.6	7.3	9.1	6.8	9.4	7.1	9.3	7.0	9.1	6.8	9.0	6.7	8.9	6.6	9.2	6.8	10.9	7.8	13.9	9.5	14.7	10.2	14.8	10.6	14.6	10.8	14.8	11.1	15.0	11.3	15.0	11.3	14.7	11.2	14.1	10.8	13.4	10.3	12.4	9.6	11.1	8.7	10.5	8.2
E	11.0	8.3	10.8	8.0	10.5	7.7	10.0	7.2	10.3	7.5	10.2	7.4	10.0	7.3	9.9	7.1	9.8	7.0	10.1	7.2	11.9	8.3	15.8	10.4	17.0	11.4	17.4	11.9	17.1	12.0	16.4	11.9	15.9	11.7	15.9	11.8	15.6	11.6	15.0	11.3	14.3	10.8	13.2	10.0	12.0	9.1	11.4	8.7
SE	11.1	8.3	10.8	8.0	10.5	7.7	10.0	7.2	10.3	7.5	10.2	7.4	10.1	7.3	9.9	7.1	9.8	7.1	10.0	7.2	11.6	8.1	14.6	9.9	16.2	11.0	17.2	11.8	17.6	12.3	17.4	12.4	16.6	12.1	15.9	11.8	15.6	11.6	15.0	11.3	14.3	10.8	13.3	10.0	12.0	9.1	11.4	8.7
S	10.4	8.0	10.1	7.7	9.8	7.4	9.3	6.9	9.6	7.2	9.5	7.1	9.4	7.0	9.2	6.8	9.1	6.7	9.3	6.8	10.4	7.6	11.5	8.3	13.0	9.4	14.6	10.5	15.9	11.4	16.7	12.0	16.9	12.2	16.7	12.2	15.9	11.8	14.8	11.1	13.6	10.4	12.6	9.7	11.3	8.8	10.7	8.3
SW	11.2	8.3	10.9	8.1	10.6	7.8	10.1	7.3	10.4	7.6	10.3	7.5	10.1	7.3	10.0	7.2	9.9	7.1	10.1	7.2	11.2	7.9	12.3	8.7	13.4	9.6	14.4	10.4	15.2	11.1	16.5	11.9	17.6	12.6	18.5	13.1	18.6	13.1	18.0	12.8	17.1	12.2	14.7	10.8	12.1	9.2	11.5	8.7
W	11.3	8.4	11.1	8.2	10.8	7.9	10.3	7.4	10.6	7.7	10.5	7.6	10.3	7.4	10.2	7.3	10.1	7.2	10.3	7.3	11.4	8.0	12.5	8.8	13.6	9.6	14.5	10.4	15.4	11.2	16.0	11.7	16.9	12.2	18.2	12.9	18.9	13.3	19.0	13.3	18.7	13.0	16.0	11.4	12.4	9.3	11.7	8.8
NW	10.4	8.0	10.1	7.7	9.8	7.4	9.3	6.9	9.6	7.2	9.5	7.1	9.4	7.0	9.2	6.8	9.1	6.7	9.3	6.8	10.5	7.6	11.5	8.3	12.6	9.2	13.6	10.0	14.5	10.7	15.1	11.2	15.3	11.4	15.6	11.7	16.4	12.0	16.7	12.1	16.7	12.0	14.7	10.7	11.4	8.9	10.8	8.3
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.8	8.3	10.6	8.2	10.5	8.2	10.5	8.2	10.5	8.1	10.4	8.1	10.4	8.1	10.4	8.1	10.4	8.1	10.4	8.1	10.4	8.0	10.4	8.0	10.4	8.0	10.5	8.1	10.6	8.2	10.7	8.3	10.8	8.3	10.9	8.4	10.9	8.5	11.0	8.5	11.0	8.5	10.9	8.5	10.9	8.4	10.8	8.4
NE	11.9	8.9	11.7	8.8	11.7	8.8	11.7	8.7	11.6	8.7	11.6	8.7	11.6	8.6	11.6	8.7	11.6	8.6	11.6	8.6	11.5	8.6	11.5	8.6	11.6	8.6	11.7	8.7	12.0	8.9	12.1	9.0	12.1	9.0	12.1	9.0	12.1	9.0	12.1	9.1	12.1	9.1	12.1	9.0	12.0	9.0	12.0	9.0
E	13.0	9.5	12.9	9.4	12.8	9.3	12.8	9.3	12.8	9.3	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.9	9.3	13.2	9.5	13.4	9.6	13.4	9.6	13.4	9.7	13.3	9.6	13.2	9.6	13.2	9.6	13.2	9.6	13.2	9.6	13.1	9.5
SE	13.0	9.5	12.9	9.4	12.8	9.3	12.8	9.3	12.8	9.3	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.7	9.2	12.8	9.3	13.1	9.4	13.3	9.6	13.4	9.6	13.4	9.7	13.4	9.7	13.3	9.7	13.2	9.6	13.2	9.6	13.2	9.6	13.1	9.5
S	12.1	9.0	12.0	8.9	12.0	8.9	11.9	8.9	11.9	8.8	11.9	8.8	11.8	8.8	11.8	8.8	11.8	8.8	11.8	8.8	11.8	8.8	11.8	8.7	11.8	8.8	11.9	8.8	12.0	8.9	12.2	9.0	12.3	9.1	12.5	9.2	12.5	9.3	12.5	9.3	12.5	9.3	12.4	9.2	12.3	9.2	12.2	9.1
SW	13.3	9.6	13.0	9.4	13.0	9.4	12.9	9.4	12.9	9.3	12.9	9.3	12.8	9.3	12.9	9.3	12.8	9.3	12.8	9.3	12.8	9.3	12.8	9.2	12.8	9.3	12.9	9.3	13.0	9.4	13.1	9.5	13.2	9.6	13.3	9.6	13.4	9.7	13.5	9.8	13.6	9.8	13.6	9.8	13.6	9.8	13.5	9.7
W	13.6	9.8	13.3	9.6	13.2	9.5	13.2	9.5	13.1	9.5	13.1	9.4	13.1	9.4	13.1	9.4	13.1	9.4	13.1	9.4	13.0	9.4	13.0	9.4	13.1	9.4	13.2	9.4	13.3	9.5	13.4	9.6	13.5	9.7	13.5	9.7	13.6	9.8	13.7	9.8	13.8	9.9	13.9	9.9	13.9	9.9	13.9	9.9
NW	12.4	9.1	12.1	9.0	12.0	8.9	12.0	8.9	11.9	8.9	11.9	8.8	11.9	8.8	11.9	8.8	11.9	8.8	11.9	8.8	11.8	8.8	11.8	8.8	11.9	8.8	12.0	8.8	12.1	8.9	12.2	9.0	12.3	9.1	12.4	9.1	12.4	9.2	12.4	9.2	12.5	9.2	12.5	9.3	12.6	9.3	12.6	9.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	10.5	8.2	10.3	8.1	10.2	8.0	10.1	7.9	10.1	7.8	9.9	7.7	10.0	7.8	10.0	7.7	9.9	7.7	9.9	7.6	9.8	7.6	9.9	7.6	10.3	7.9	10.6	8.1	10.9	8.3	11.2	8.6	11.4	8.8	11.6	8.9	11.7	9.0	11.6	9.0	11.6	9.0	11.4	8.9	11.2	8.7	11.0	8.6
NE	11.6	8.8	11.4	8.6	11.3	8.5	11.2	8.5	11.2	8.4	11.0	8.2	11.1	8.3	11.1	8.3	11.0	8.2	11.0	8.2	11.0	8.2	11.0	8.2	11.5	8.5	12.4	9.0	12.7	9.2	12.7	9.3	12.6	9.4	12.7	9.5	12.8	9.6	12.8	9.6	12.7	9.5	12.5	9.4	12.3	9.3	12.0	9.0
E	12.7	9.3	12.5	9.2	12.4	9.1	12.3	9.0	12.2	8.9	12.1	8.8	12.2	8.9	12.1	8.8	12.1	8.8	12.1	8.7	12.0	8.7	12.1	8.8	12.6	9.1	13.8	9.7	14.2	10.0	14.3	10.1	14.2	10.2	14.0	10.1	13.8	10.1	13.8	10.1	13.7	10.1	13.6	10.0	13.4	9.8	13.1	9.6
SE	12.7	9.3	12.5	9.2	12.4	9.1	12.3	9.0	12.2	8.9	12.1	8.8	12.2	8.9	12.1	8.8	12.1	8.8	12.1	8.7	12.0	8.7	12.1	8.7	12.5	9.0	13.4	9.5	13.9	9.9	14.2	10.1	14.3	10.3	14.3	10.3	14.0	10.2	13.8	10.1	13.7	10.1	13.6	10.0	13.4	9.8	13.1	9.6
S	11.8	8.9	11.7	8.8	11.6	8.7	11.5	8.6	11.4	8.5	11.3	8.3	11.4	8.4	11.3	8.4	11.3	8.4	11.2	8.3	11.2	8.3	11.3	8.3	11.6	8.5	11.9	8.8	12.4	9.1	12.8	9.4	13.2	9.7	13.4	9.9	13.5	9.9	13.4	9.9	13.2	9.8	12.9	9.6	12.5	9.4	12.2	9.2
SW	12.8	9.4	12.6	9.2	12.5	9.1	12.5	9.1	12.4	9.0	12.2	8.8	12.3	8.9	12.3	8.9	12.2	8.8	12.2	8.8	12.2	8.8	12.2	8.8	12.6	9.0	12.9	9.2	13.2	9.5	13.5	9.7	13.7	10.0	14.1	10.2	14.5	10.4	14.7	10.5	14.7	10.6	14.6	10.5	14.3	10.3	13.6	9.9
W	13.1	9.5	12.9	9.4	12.8	9.3	12.7	9.2	12.6	9.1	12.4	8.9	12.5	9.0	12.5	9.0	12.5	9.0	12.4	8.9	12.4	8.9	12.4	8.9	12.8	9.1	13.1	9.4	13.4	9.6	13.7	9.8	14.0	10.1	14.1	10.2	14.4	10.4	14.8	10.6	15.0	10.7	15.0	10.7	14.9	10.6	14.1	10.1
NW	11.9	8.9	11.7	8.8	11.6	8.7	11.5	8.6	11.4	8.5	11.3	8.4	11.4	8.5	11.4	8.4	11.3	8.4	11.3	8.3	11.2	8.3	11.3	8.3	11.6	8.6	11.9	8.8	12.3	9.0	12.6	9.3	12.8	9.5	13.0	9.6	13.1	9.7	13.2	9.8	13.4	9.9	13.5	9.9	13.5	9.9	12.9	9.5
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.5	8.2	10.2	8.0	10.1	7.9	10.0	7.8	9.9	7.7	9.7	7.5	9.8	7.6	9.7	7.6	9.7	7.5	9.6	7.4	9.6	7.4	9.7	7.5	10.2	7.8	10.6	8.1	11.0	8.4	11.3	8.7	11.7	9.0	11.9	9.2	12.0	9.3	12.0	9.3	11.9	9.2	11.7	9.1	11.4	8.9	11.1	8.7
NE	11.5	8.8	11.3	8.6	11.2	8.4	11.0	8.3	10.9	8.2	10.7	8.0	10.9	8.1	10.8	8.1	10.8	8.0	10.7	8.0	10.7	7.9	10.8	8.0	11.4	8.4	12.7	9.1	13.0	9.4	13.0	9.5	12.9	9.6	13.0	9.7	13.1	9.8	13.1	9.8	12.9	9.7	12.7	9.6	12.4	9.4	12.0	9.1
E	12.6	9.3	12.3	9.1	12.2	9.0	12.1	8.9	12.0	8.7	11.8	8.5	11.9	8.7	11.9	8.6	11.8	8.6	11.7	8.5	11.7	8.5	11.8	8.5	12.5	9.0	14.1	9.8	14.6	10.2	14.7	10.4	14.6	10.4	14.3	10.4	14.1	10.3	14.1	10.3	14.0	10.3	13.8	10.1	13.5	9.9	13.1	9.6
SE	12.6	9.3	12.4	9.1	12.2	9.0	12.1	8.9	12.0	8.7	11.8	8.5	11.9	8.7	11.9	8.6	11.8	8.6	11.8	8.5	11.7	8.5	11.8	8.5	12.4	8.9	13.6	9.6	14.3	10.0	14.7	10.3	14.8	10.5	14.7	10.6	14.4	10.5	14.1	10.4	14.0	10.3	13.8	10.1	13.5	9.9	13.1	9.6
S	11.8	8.9	11.5	8.7	11.4	8.6	11.3	8.5	11.2	8.3	11.0	8.1	11.1	8.3	11.1	8.2	11.0	8.2	10.9	8.1	10.9	8.1	11.0	8.1	11.4	8.4	11.8	8.7	12.5	9.1	13.1	9.6	13.6	9.9	13.9	10.2	14.0	10.3	13.9	10.2	13.6	10.1	13.1	9.8	12.7	9.5	12.3	9.2
SW	12.7	9.4	12.5	9.2	12.3	9.0	12.2	8.9	12.1	8.8	11.9	8.6	12.0	8.7	12.0	8.7	11.9	8.6	11.9	8.6	11.8	8.5	11.9	8.6	12.4	8.9	12.8	9.2	13.2	9.5	13.6	9.8	14.0	10.1	14.5	10.5	14.9	10.7	15.2	10.9	15.3	10.9	15.1	10.8	14.7	10.6	13.8	10.0
W	13.0	9.5	12.7	9.3	12.6	9.1	12.4	9.0	12.3	8.9	12.1	8.7	12.3	8.8	12.2	8.8	12.2	8.7	12.1	8.7	12.1	8.6	12.1	8.7	12.6	9.0	13.0	9.3	13.4	9.6	13.8	9.9	14.2	10.2	14.4	10.4	14.7	10.6	15.3	10.9	15.6	11.1	15.6	11.0	15.4	10.9	14.4	10.3
NW	11.8	8.9	11.6	8.7	11.4	8.6	11.3	8.5	11.2	8.4	11.0	8.2	11.1	8.3	11.1	8.2	11.0	8.2	11.0	8.1	10.9	8.1	11.0	8.1	11.5	8.4	11.9	8.7	12.3	9.1	12.7	9.4	13.1	9.7	13.3	9.9	13.4	9.9	13.5	10.0	13.8	10.2	13.9	10.2	13.9	10.2	13.1	9.7
	R2 - 12cm Concrete+2 cm plaster																																															
R	7.3	3.8	6.3	2.7	6.9	3.3	6.7	3.1	6.4	2.8	6.1	2.5	5.9	2.3	6.5	2.6	10.3	4.9	16.5	8.5	21.7	11.7	26.1	14.5	29.3	16.8	31.1	18.1	31.5	18.5	31.0	18.4	28.7	17.2	25.3	15.3	21.3	13.1	15.8	9.9	10.6	6.8	9.3	5.7	8.5	4.9	7.9	4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:MUŞ (38.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.7	6.6	8.4	6.2	8.2	6.0	8.0	5.8	7.8	5.7	7.8	5.7	7.7	5.6	7.5	5.4	7.5	5.3	7.3	5.2	7.3	5.2	7.8	5.4	8.6	6.0	9.4	6.7	10.1	7.1	10.5	7.5	10.8	7.8	11.0	8.0	11.2	8.2	11.1	8.2	10.9	8.1	10.6	7.9	10.3	7.7	9.4	7.0
NE	9.1	6.8	8.7	6.4	8.6	6.2	8.4	6.0	8.2	5.9	8.2	5.9	8.1	5.8	7.9	5.6	7.9	5.5	7.7	5.4	7.7	5.4	8.2	5.7	9.5	6.4	10.6	7.2	11.0	7.6	11.1	7.8	11.2	8.0	11.4	8.2	11.5	8.4	11.5	8.4	11.2	8.3	10.9	8.0	10.3	7.7	9.5	7.1
E	9.8	7.1	9.4	6.7	9.2	6.6	9.0	6.4	8.8	6.2	8.8	6.2	8.7	6.1	8.5	5.9	8.5	5.9	8.3	5.7	8.3	5.7	8.9	6.0	10.3	6.8	11.7	7.8	12.3	8.3	12.5	8.5	12.2	8.5	12.0	8.5	12.2	8.7	12.1	8.7	11.9	8.6	11.5	8.4	11.0	8.0	10.2	7.4
SE	9.8	7.1	9.3	6.7	9.2	6.5	9.0	6.3	8.8	6.2	8.8	6.2	8.7	6.1	8.5	5.9	8.5	5.8	8.3	5.7	8.3	5.7	8.8	6.0	10.1	6.7	11.4	7.6	12.2	8.2	12.7	8.6	12.7	8.7	12.4	8.7	12.1	8.7	12.1	8.7	11.9	8.6	11.5	8.3	10.9	8.0	10.2	7.4
S	9.8	7.1	9.4	6.7	9.2	6.6	9.0	6.4	8.8	6.2	8.8	6.2	8.7	6.1	8.5	5.9	8.5	5.9	8.3	5.7	8.3	5.7	8.8	5.9	9.6	6.5	10.6	7.2	11.5	7.9	12.3	8.4	12.7	8.7	13.0	9.0	13.0	9.1	12.7	9.0	12.1	8.7	11.5	8.4	11.0	8.0	10.2	7.4
SW	10.6	7.5	10.3	7.2	10.1	7.0	9.9	6.8	9.7	6.6	9.7	6.6	9.6	6.5	9.4	6.3	9.4	6.3	9.2	6.1	9.2	6.1	9.7	6.4	10.5	6.9	11.4	7.6	12.0	8.1	12.4	8.5	13.1	8.9	13.9	9.5	14.5	9.9	14.7	10.0	14.3	9.8	13.5	9.4	12.7	8.9	11.3	8.0
W	10.9	7.6	10.5	7.3	10.3	7.1	10.1	6.9	9.9	6.8	9.9	6.7	9.8	6.6	9.6	6.4	9.6	6.4	9.4	6.2	9.4	6.2	9.9	6.5	10.7	7.1	11.6	7.7	12.2	8.2	12.7	8.6	13.0	8.9	13.6	9.3	14.5	9.9	15.0	10.2	15.0	10.1	14.3	9.8	13.5	9.3	11.9	8.3
NW	9.9	7.2	9.6	6.8	9.4	6.6	9.2	6.4	9.0	6.3	9.0	6.3	8.9	6.2	8.7	6.0	8.7	5.9	8.5	5.8	8.5	5.8	9.0	6.0	9.8	6.6	10.7	7.3	11.3	7.7	11.7	8.1	12.0	8.4	12.2	8.6	12.6	8.9	13.1	9.2	13.3	9.3	12.9	9.1	12.4	8.7	11.0	7.8
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.2	6.7	9.0	6.6	8.8	6.5	8.8	6.4	8.7	6.4	8.7	6.3	8.7	6.3	8.6	6.3	8.6	6.2	8.6	6.2	8.5	6.1	8.5	6.1	8.7	6.2	8.9	6.4	9.2	6.6	9.4	6.8	9.5	6.9	9.6	7.0	9.7	7.1	9.7	7.1	9.7	7.1	9.6	7.1	9.6	7.0	9.5	6.9
NE	9.5	6.9	9.4	6.8	9.3	6.7	9.2	6.6	9.1	6.6	9.1	6.5	9.1	6.5	9.1	6.5	9.0	6.4	9.0	6.4	8.9	6.3	8.9	6.3	9.1	6.4	9.5	6.7	9.9	6.9	10.0	7.1	10.0	7.1	10.1	7.2	10.1	7.3	10.2	7.3	10.1	7.3	10.1	7.3	9.9	7.2	9.8	7.1
E	10.2	7.3	10.1	7.2	10.0	7.0	9.9	7.0	9.8	6.9	9.8	6.9	9.8	6.9	9.8	6.8	9.7	6.8	9.7	6.8	9.6	6.7	9.6	6.7	9.8	6.8	10.3	7.1	10.7	7.4	10.9	7.5	11.0	7.6	10.9	7.6	10.8	7.6	10.9	7.7	10.8	7.7	10.8	7.6	10.6	7.6	10.5	7.5
SE	10.2	7.3	10.1	7.2	10.0	7.0	9.9	7.0	9.8	6.9	9.8	6.9	9.8	6.9	9.7	6.8	9.7	6.8	9.7	6.8	9.6	6.7	9.6	6.7	9.8	6.8	10.2	7.0	10.6	7.3	10.9	7.5	11.0	7.7	11.0	7.7	11.0	7.7	10.9	7.7	10.8	7.7	10.8	7.6	10.6	7.6	10.5	7.4
S	10.3	7.3	10.1	7.2	10.0	7.1	9.9	7.0	9.9	6.9	9.8	6.9	9.8	6.9	9.8	6.8	9.7	6.8	9.7	6.8	9.6	6.7	9.7	6.7	9.8	6.8	10.1	7.0	10.4	7.2	10.7	7.4	10.9	7.6	11.1	7.7	11.2	7.8	11.2	7.8	11.1	7.8	10.9	7.7	10.7	7.6	10.5	7.5
SW	11.3	7.8	11.1	7.6	11.0	7.5	10.9	7.5	10.8	7.4	10.8	7.4	10.8	7.4	10.7	7.3	10.7	7.3	10.7	7.3	10.6	7.2	10.6	7.2	10.8	7.3	11.0	7.5	11.3	7.7	11.5	7.8	11.7	8.0	11.9	8.1	12.1	8.3	12.3	8.4	12.4	8.4	12.3	8.4	12.0	8.2	11.7	8.1
W	11.7	8.0	11.3	7.8	11.2	7.7	11.2	7.6	11.1	7.5	11.0	7.5	11.0	7.5	11.0	7.5	10.9	7.4	10.9	7.4	10.9	7.3	10.9	7.3	11.0	7.4	11.3	7.6	11.6	7.8	11.8	8.0	11.9	8.1	12.0	8.2	12.2	8.3	12.5	8.5	12.7	8.6	12.7	8.6	12.4	8.5	12.2	8.3
NW	10.6	7.5	10.3	7.3	10.2	7.1	10.1	7.1	10.1	7.0	10.0	7.0	10.0	7.0	10.0	6.9	9.9	6.9	9.9	6.9	9.8	6.8	9.8	6.8	10.0	6.9	10.3	7.1	10.5	7.3	10.7	7.4	10.9	7.6	11.0	7.6	11.0	7.7	11.2	7.8	11.3	7.9	11.4	7.9	11.3	7.9	11.1	7.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.2	6.8	8.9	6.6	8.8	6.4	8.7	6.4	8.6	6.3	8.5	6.2	8.5	6.2	8.5	6.1	8.4	6.1	8.4	6.1	8.3	6.0	8.3	6.0	8.5	6.1	8.9	6.3	9.2	6.6	9.5	6.8	9.7	7.0	9.8	7.1	9.9	7.2	10.0	7.3	9.9	7.3	9.9	7.3	9.7	7.2	9.6	7.1
NE	9.5	6.9	9.3	6.8	9.2	6.6	9.1	6.6	9.0	6.5	8.9	6.4	8.9	6.4	8.9	6.4	8.8	6.3	8.8	6.3	8.7	6.2	8.7	6.2	9.0	6.3	9.5	6.7	10.0	7.0	10.2	7.2	10.2	7.3	10.3	7.3	10.3	7.4	10.4	7.5	10.4	7.5	10.3	7.5	10.1	7.4	9.9	7.2
E	10.2	7.3	10.0	7.1	9.9	7.0	9.8	6.9	9.7	6.8	9.6	6.8	9.6	6.7	9.6	6.7	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.5	9.6	6.7	10.3	7.0	10.9	7.4	11.2	7.7	11.2	7.8	11.1	7.7	11.0	7.8	11.1	7.8	11.1	7.8	11.0	7.8	10.8	7.7	10.6	7.5
SE	10.2	7.3	10.0	7.1	9.9	7.0	9.8	6.9	9.7	6.8	9.6	6.7	9.6	6.7	9.6	6.7	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.5	9.6	6.6	10.2	7.0	10.7	7.4	11.1	7.6	11.3	7.8	11.3	7.9	11.2	7.9	11.1	7.8	11.0	7.8	11.0	7.8	10.8	7.7	10.6	7.5
S	10.2	7.3	10.1	7.2	9.9	7.0	9.8	6.9	9.7	6.8	9.7	6.8	9.6	6.8	9.6	6.7	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.5	9.6	6.7	10.0	6.9	10.4	7.2	10.8	7.5	11.2	7.7	11.3	7.9	11.5	8.0	11.5	8.0	11.3	8.0	11.1	7.9	10.8	7.7	10.6	7.6
SW	11.3	7.8	11.0	7.6	10.8	7.5	10.8	7.4	10.7	7.3	10.6	7.2	10.6	7.2	10.6	7.2	10.5	7.1	10.5	7.1	10.4	7.0	10.4	7.0	10.6	7.1	11.0	7.4	11.3	7.7	11.6	7.9	11.8	8.1	12.1	8.2	12.4	8.5	12.7	8.6	12.8	8.7	12.6	8.6	12.2	8.4	11.9	8.2
W	11.7	8.0	11.2	7.7	11.1	7.6	11.0	7.5	10.9	7.4	10.9	7.4	10.8	7.4	10.8	7.3	10.7	7.2	10.7	7.2	10.6	7.1	10.6	7.1	10.8	7.3	11.2	7.5	11.6	7.8	11.8	8.0	12.0	8.2	12.2	8.3	12.4	8.5	12.8	8.7	13.1	8.8	13.0	8.8	12.7	8.7	12.4	8.5
NW	10.7	7.5	10.2	7.2	10.1	7.1	10.0	7.0	9.9	6.9	9.8	6.9	9.8	6.8	9.8	6.8	9.7	6.7	9.7	6.7	9.6	6.6	9.6	6.6	9.8	6.7	10.2	7.0	10.6	7.3	10.8	7.5	11.0	7.7	11.1	7.8	11.2	7.9	11.4	8.0	11.6	8.1	11.7	8.2	11.5	8.1	11.3	7.9
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.2	6.8	8.9	6.6	8.7	6.4	8.6	6.3	8.5	6.2	8.4	6.1	8.4	6.1	8.4	6.1	8.3	6.0	8.2	5.9	8.1	5.8	8.2	5.9	8.4	6.0	8.9	6.3	9.3	6.6	9.6	6.9	9.8	7.1	10.0	7.2	10.1	7.3	10.2	7.4	10.1	7.4	10.0	7.4	9.9	7.3	9.7	7.2
NE	9.5	7.0	9.3	6.8	9.1	6.6	9.0	6.5	8.9	6.4	8.8	6.3	8.8	6.3	8.8	6.3	8.7	6.2	8.6	6.1	8.6	6.1	8.6	6.1	8.8	6.2	9.5	6.6	10.1	7.0	10.3	7.2	10.3	7.3	10.4	7.4	10.5	7.5	10.6	7.6	10.5	7.6	10.4	7.6	10.2	7.5	9.9	7.3
E	10.2	7.3	10.0	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.5	6.7	9.4	6.6	9.3	6.5	9.3	6.5	9.2	6.4	9.2	6.4	9.5	6.6	10.3	7.0	11.0	7.5	11.3	7.7	11.4	7.9	11.3	7.9	11.2	7.9	11.2	8.0	11.2	8.0	11.1	7.9	10.9	7.8	10.6	7.6
SE	10.2	7.3	10.0	7.1	9.8	6.9	9.7	6.8	9.6	6.7	9.5	6.7	9.5	6.6	9.4	6.6	9.3	6.5	9.3	6.5	9.2	6.4	9.2	6.4	9.5	6.5	10.2	6.9	10.8	7.4	11.3	7.7	11.5	7.9	11.5	8.0	11.4	8.0	11.2	8.0	11.2	8.0	11.1	7.9	10.9	7.8	10.6	7.6
S	10.2	7.3	10.0	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.5	6.7	9.5	6.6	9.4	6.5	9.4	6.5	9.3	6.4	9.3	6.4	9.5	6.5	9.9	6.8	10.5	7.2	10.9	7.5	11.3	7.8	11.6	8.0	11.7	8.1	11.7	8.2	11.5	8.1	11.2	8.0	10.9	7.8	10.6	7.6
SW	11.3	7.9	10.9	7.6	10.8	7.4	10.7	7.3	10.6	7.2	10.5	7.1	10.5	7.1	10.4	7.1	10.3	7.0	10.3	7.0	10.2	6.9	10.2	6.9	10.4	7.0	10.9	7.3	11.3	7.7	11.6	7.9	11.9	8.1	12.2	8.3	12.6	8.6	13.0	8.8	13.0	8.9	12.9	8.8	12.4	8.6	12.0	8.3
W	11.7	8.1	11.2	7.7	11.0	7.6	10.9	7.5	10.8	7.4	10.7	7.3	10.7	7.3	10.7	7.2	10.6	7.1	10.5	7.1	10.4	7.0	10.5	7.0	10.7	7.1	11.1	7.4	11.6	7.8	11.9	8.0	12.1	8.2	12.3	8.4	12.6	8.6	13.1	8.9	13.3	9.0	13.3	9.0	13.0	8.8	12.6	8.6
NW	10.7	7.6	10.2	7.2	10.0	7.1	9.9	7.0	9.8	6.9	9.7	6.8	9.7	6.8	9.6	6.7	9.5	6.6	9.5	6.6	9.4	6.5	9.4	6.5	9.7	6.6	10.1	6.9	10.6	7.3	10.9	7.5	11.1	7.7	11.3	7.9	11.4	8.0	11.6	8.1	11.9	8.3	12.0	8.4	11.8	8.2	11.5	8.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.7	6.5	12.6	6.4	12.5	6.4	12.5	6.3	12.4	6.2	12.4	6.2	12.4	6.2	12.4	6.2	12.3	6.1	12.3	6.1	12.3	6.1	12.5	6.2	13.0	6.5	13.4	6.8	13.8	7.0	14.2	7.3	14.3	7.4	14.5	7.5	14.5	7.5	14.3	7.4	14.0	7.3	13.7	7.1	13.3	6.9	12.9	6.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:MUŞ (38.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.9	6.0	7.6	5.7	7.3	5.4	7.0	5.1	7.0	5.1	6.8	4.9	6.5	4.6	6.4	4.5	6.1	4.2	6.2	4.2	6.9	4.7	8.4	5.6	9.7	6.7	10.7	7.5	11.5	8.2	11.9	8.6	12.3	8.9	12.5	9.2	12.4	9.2	12.0	9.1	11.6	8.7	11.0	8.3	9.6	7.3	8.5	6.5
NE	8.2	6.2	7.9	5.9	7.6	5.5	7.3	5.3	7.3	5.2	7.2	5.1	6.8	4.8	6.8	4.7	6.5	4.4	6.5	4.4	7.4	4.9	9.5	6.2	11.3	7.5	12.0	8.1	12.1	8.5	12.3	8.7	12.6	9.1	12.8	9.4	12.7	9.4	12.4	9.2	11.7	8.8	10.9	8.3	9.6	7.3	8.9	6.7
E	8.8	6.5	8.5	6.1	8.2	5.8	7.9	5.6	7.9	5.5	7.7	5.4	7.4	5.0	7.3	5.0	7.1	4.7	7.1	4.7	8.0	5.2	10.4	6.6	12.6	8.1	13.6	9.0	14.0	9.4	13.4	9.3	13.2	9.4	13.4	9.7	13.3	9.7	12.9	9.5	12.3	9.1	11.4	8.5	10.1	7.6	9.5	7.0
SE	8.8	6.4	8.5	6.1	8.1	5.8	7.9	5.5	7.8	5.5	7.7	5.3	7.4	5.0	7.3	5.0	7.0	4.7	7.0	4.7	7.9	5.2	9.9	6.4	12.1	7.9	13.5	8.9	14.3	9.6	14.2	9.7	13.8	9.7	13.4	9.7	13.2	9.7	12.9	9.5	12.3	9.1	11.4	8.5	10.1	7.5	9.5	7.0
S	8.8	6.5	8.5	6.2	8.2	5.8	7.9	5.6	7.9	5.5	7.7	5.4	7.4	5.0	7.4	5.0	7.1	4.7	7.1	4.7	7.8	5.1	9.2	6.1	10.8	7.3	12.3	8.3	13.6	9.2	14.3	9.7	14.8	10.2	14.8	10.4	14.2	10.2	13.3	9.7	12.3	9.1	11.4	8.6	10.1	7.6	9.5	7.0
SW	9.6	6.8	9.3	6.5	9.0	6.2	8.7	6.0	8.7	5.9	8.5	5.8	8.2	5.4	8.1	5.4	7.8	5.1	7.9	5.1	8.6	5.5	10.0	6.4	11.4	7.5	12.4	8.3	13.2	9.0	14.3	9.7	15.6	10.6	16.6	11.3	16.8	11.5	16.2	11.2	14.9	10.4	13.5	9.6	11.4	8.2	10.2	7.4
W	9.8	7.0	9.5	6.6	9.2	6.3	8.9	6.1	8.9	6.0	8.7	5.9	8.4	5.5	8.4	5.5	8.1	5.2	8.1	5.2	8.8	5.6	10.2	6.6	11.6	7.6	12.6	8.4	13.4	9.1	13.9	9.5	14.8	10.2	16.3	11.1	17.2	11.7	17.2	11.6	16.0	11.0	14.8	10.2	12.1	8.6	10.4	7.5
NW	9.0	6.5	8.7	6.2	8.3	5.9	8.1	5.6	8.0	5.6	7.9	5.4	7.6	5.1	7.5	5.1	7.2	4.8	7.3	4.8	8.0	5.2	9.4	6.1	10.8	7.2	11.8	8.0	12.6	8.7	13.0	9.1	13.4	9.5	13.9	9.9	14.8	10.5	15.1	10.6	14.5	10.2	13.6	9.7	11.3	8.1	9.6	7.1
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.3	6.8	9.1	6.7	9.0	6.6	9.0	6.5	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.4	8.8	6.4	8.8	6.4	8.8	6.4	8.8	6.4	8.9	6.4	9.0	6.5	9.1	6.6	9.2	6.7	9.3	6.7	9.3	6.8	9.4	6.8	9.4	6.8	9.4	6.8	9.4	6.8	9.3	6.8
NE	9.6	7.0	9.5	6.9	9.4	6.8	9.4	6.8	9.4	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.6	9.3	6.6	9.2	6.6	9.2	6.6	9.3	6.6	9.5	6.8	9.7	6.9	9.7	6.9	9.8	7.0	9.8	7.0	9.8	7.0	9.8	7.1	9.8	7.1	9.8	7.0	9.7	7.0
E	10.4	7.3	10.2	7.2	10.2	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	9.9	6.9	9.9	6.9	10.0	7.0	10.3	7.1	10.5	7.3	10.6	7.4	10.6	7.4	10.6	7.4	10.5	7.4	10.6	7.4	10.5	7.4	10.5	7.4	10.4	7.4
SE	10.4	7.3	10.2	7.2	10.2	7.2	10.1	7.1	10.1	7.1	10.0	7.1	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	9.9	6.9	9.9	6.9	10.0	7.0	10.2	7.1	10.4	7.3	10.6	7.3	10.6	7.4	10.6	7.4	10.6	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.4	7.4
S	10.4	7.3	10.3	7.2	10.2	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.2	7.1	10.3	7.2	10.5	7.3	10.6	7.4	10.7	7.4	10.7	7.5	10.7	7.5	10.7	7.5	10.6	7.4	10.5	7.4
SW	11.5	7.9	11.3	7.7	11.2	7.7	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.5	11.0	7.5	11.0	7.5	11.0	7.5	11.0	7.5	11.0	7.5	11.0	7.5	11.0	7.5	11.2	7.6	11.3	7.7	11.4	7.8	11.5	7.8	11.6	7.9	11.7	8.0	11.8	8.0	11.8	8.1	11.8	8.0	11.6	8.0
W	11.9	8.1	11.6	7.9	11.4	7.8	11.4	7.8	11.4	7.7	11.3	7.7	11.3	7.7	11.3	7.7	11.3	7.6	11.3	7.6	11.2	7.6	11.2	7.6	11.2	7.6	11.3	7.6	11.4	7.7	11.6	7.8	11.7	7.9	11.7	8.0	11.8	8.0	11.9	8.1	12.0	8.2	12.1	8.2	12.1	8.2	12.0	8.1
NW	10.8	7.5	10.5	7.4	10.4	7.3	10.3	7.2	10.3	7.2	10.3	7.2	10.2	7.1	10.2	7.1	10.2	7.1	10.2	7.1	10.2	7.1	10.2	7.1	10.2	7.1	10.2	7.1	10.4	7.2	10.5	7.3	10.6	7.4	10.7	7.4	10.7	7.5	10.8	7.5	10.8	7.5	10.9	7.6	10.9	7.6	10.9	7.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.2	6.8	8.9	6.6	8.7	6.4	8.6	6.3	8.5	6.2	8.5	6.2	8.4	6.1	8.4	6.1	8.3	6.0	8.3	6.0	8.2	5.9	8.2	5.9	8.4	6.0	8.9	6.3	9.3	6.6	9.5	6.9	9.8	7.1	9.9	7.2	10.0	7.3	10.1	7.4	10.0	7.4	9.9	7.3	9.8	7.2	9.6	7.1
NE	9.5	7.0	9.3	6.8	9.1	6.6	9.0	6.5	8.9	6.4	8.9	6.4	8.9	6.3	8.8	6.3	8.7	6.2	8.7	6.2	8.6	6.1	8.6	6.1	8.9	6.3	9.5	6.6	10.0	7.0	10.3	7.2	10.3	7.3	10.3	7.4	10.4	7.5	10.5	7.6	10.5	7.6	10.4	7.5	10.2	7.4	9.9	7.2
E	10.2	7.3	10.0	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.6	6.7	9.5	6.7	9.5	6.6	9.4	6.6	9.4	6.5	9.3	6.4	9.3	6.4	9.6	6.6	10.3	7.0	10.9	7.5	11.3	7.7	11.4	7.8	11.2	7.8	11.1	7.8	11.2	7.9	11.1	7.9	11.0	7.9	10.9	7.8	10.6	7.6
SE	10.2	7.3	10.0	7.1	9.8	7.0	9.7	6.9	9.6	6.8	9.5	6.7	9.5	6.7	9.5	6.6	9.4	6.5	9.4	6.5	9.3	6.4	9.3	6.4	9.5	6.6	10.2	7.0	10.8	7.4	11.2	7.7	11.4	7.9	11.4	7.9	11.3	7.9	11.2	7.9	11.1	7.9	11.0	7.9	10.8	7.7	10.6	7.6
S	10.2	7.3	10.0	7.1	9.8	7.0	9.8	6.9	9.7	6.8	9.6	6.7	9.6	6.7	9.5	6.7	9.4	6.6	9.4	6.5	9.3	6.5	9.3	6.5	9.5	6.6	10.0	6.9	10.4	7.2	10.9	7.5	11.3	7.8	11.5	8.0	11.6	8.1	11.6	8.1	11.5	8.1	11.2	7.9	10.9	7.8	10.6	7.6
SW	11.3	7.8	11.0	7.6	10.8	7.5	10.7	7.4	10.6	7.3	10.5	7.2	10.5	7.2	10.5	7.1	10.4	7.0	10.4	7.0	10.3	6.9	10.3	6.9	10.5	7.1	10.9	7.3	11.3	7.7	11.6	7.9	11.8	8.1	12.2	8.3	12.6	8.6	12.8	8.8	12.9	8.8	12.8	8.7	12.4	8.5	12.0	8.3
W	11.7	8.1	11.2	7.7	11.0	7.6	10.9	7.5	10.9	7.4	10.8	7.3	10.8	7.3	10.7	7.3	10.6	7.2	10.6	7.1	10.5	7.1	10.5	7.1	10.7	7.2	11.2	7.5	11.6	7.8	11.9	8.0	12.1	8.2	12.2	8.3	12.5	8.5	13.0	8.8	13.2	9.0	13.2	9.0	12.9	8.8	12.5	8.5
NW	10.7	7.5	10.2	7.2	10.0	7.1	9.9	7.0	9.8	6.9	9.8	6.8	9.8	6.8	9.7	6.7	9.6	6.7	9.6	6.6	9.5	6.6	9.5	6.6	9.7	6.7	10.2	7.0	10.6	7.3	10.9	7.5	11.1	7.7	11.2	7.8	11.3	7.9	11.5	8.1	11.8	8.2	11.9	8.3	11.7	8.2	11.4	8.0
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.2	6.7	9.1	6.7	9.0	6.6	9.0	6.6	9.0	6.5	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.5	8.9	6.4	8.9	6.4	8.8	6.4	8.8	6.4	8.9	6.4	9.0	6.5	9.1	6.6	9.2	6.7	9.3	6.7	9.3	6.8	9.3	6.8	9.3	6.8	9.3	6.8	9.3	6.8	9.3	6.8
NE	9.6	6.9	9.5	6.9	9.5	6.8	9.4	6.8	9.4	6.7	9.4	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.7	9.3	6.6	9.3	6.6	9.3	6.7	9.5	6.8	9.7	6.9	9.7	6.9	9.7	6.9	9.7	7.0	9.8	7.0	9.8	7.0	9.8	7.0	9.7	7.0	9.7	7.0
E	10.3	7.3	10.2	7.2	10.2	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.1	7.0	10.3	7.1	10.4	7.3	10.5	7.3	10.5	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.4	7.3
SE	10.3	7.3	10.2	7.2	10.2	7.2	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.0	7.0	10.1	7.0	10.2	7.1	10.4	7.2	10.5	7.3	10.6	7.4	10.6	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.4	7.3
S	10.4	7.3	10.3	7.2	10.2	7.2	10.2	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.1	10.1	7.0	10.1	7.0	10.0	7.0	10.0	7.0	10.1	7.0	10.2	7.1	10.3	7.2	10.4	7.3	10.5	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.6	7.4	10.5	7.4	10.4	7.3
SW	11.5	7.9	11.3	7.7	11.2	7.7	11.2	7.6	11.1	7.6	11.1	7.6	11.1	7.6	11.1	7.6	11.1	7.6	11.0	7.5	11.0	7.5	11.0	7.5	11.0	7.5	11.1	7.5	11.2	7.6	11.3	7.7	11.4	7.8	11.4	7.8	11.5	7.9	11.6	7.9	11.7	8.0	11.7	8.0	11.7	8.0	11.6	7.9
W	11.8	8.0	11.6	7.9	11.5	7.8	11.4	7.8	11.4	7.7	11.4	7.7	11.3	7.7	11.3	7.7	11.3	7.7	11.3	7.7	11.3	7.7	11.3	7.6	11.3	7.6	11.3	7.7	11.4	7.7	11.6	7.8	11.6	7.9	11.7	7.9	11.7	8.0	11.8	8.0	11.9	8.1	12.0	8.1	12.0	8.1	11.9	8.1
NW	10.7	7.5	10.5	7.4	10.4	7.3	10.4	7.2	10.3	7.2	10.3	7.2	10.3	7.2	10.3	7.2	10.3	7.2	10.2	7.1	10.2	7.1	10.2	7.1	10.2	7.1	10.3	7.1	10.4	7.2	10.5	7.3	10.6	7.4	10.6	7.4	10.7	7.4	10.7	7.5	10.7	7.5	10.8	7.5	10.8	7.6	10.8	7.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	5.6	2.2	5.0	1.6	4.9	1.6	4.6	1.2	3.9	0.6	3.8	0.5	3.2	-0.2	3.4	-0.1	5.8	1.3	11.1	4.4	16.7	8.0	21.3	10.9	25.2	13.5	27.2	14.8	28.6	16.0	28.6	16.4	26.8	15.6	23.4	13.9	19.2	11.6	15.2	9.3	10.4	6.2	8.2	4.7	6.9	3.5	6.2	2.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:NEVŞEHİR (38.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																													
N	5.1	2.9	4.8	2.5	4.6	2.3	4.4	2.2	4.3	2.1	3.7	1.5	3.6	1.3	3.5	1.3	3.3	1.1	3.2	1.0	3.7	1.3	4.9	2.3	5.8	3.0	6.5	3.7	7.2	4.2	7.7	4.7	8.0	4.9	8.2	5.1	8.1	5.1	8.0	5.0	7.7	4.9	7.4	4.7	7.2	4.5	6.6	3.9
NE	6.1	3.4	5.7	3.0	5.5	2.8	5.3	2.6	5.3	2.6	4.7	1.9	4.5	1.8	4.5	1.8	4.3	1.6	4.2	1.5	4.9	1.9	6.7	3.2	8.1	4.2	8.9	4.9	9.1	5.2	8.9	5.3	9.0	5.4	9.1	5.6	9.1	5.6	8.9	5.5	8.7	5.4	8.3	5.1	7.8	4.7	6.9	4.1
E	7.2	3.9	6.8	3.6	6.6	3.4	6.4	3.2	6.4	3.1	5.7	2.5	5.6	2.4	5.5	2.3	5.4	2.1	5.3	2.0	6.0	2.5	8.0	3.8	9.7	5.0	10.9	5.8	11.2	6.3	11.1	6.4	10.5	6.2	10.2	6.1	10.2	6.1	10.0	6.0	9.8	5.9	9.4	5.6	8.8	5.3	8.0	4.6
SE	7.2	3.9	6.8	3.6	6.6	3.4	6.5	3.2	6.4	3.1	5.8	2.5	5.6	2.4	5.6	2.3	5.4	2.1	5.3	2.0	5.8	2.4	7.5	3.5	9.1	4.7	10.4	5.6	11.2	6.2	11.4	6.5	11.2	6.5	10.7	6.3	10.2	6.1	10.0	6.0	9.8	5.9	9.4	5.7	8.9	5.3	8.0	4.6
S	6.2	3.4	5.8	3.1	5.6	2.9	5.5	2.7	5.4	2.6	4.8	2.0	4.7	1.9	4.6	1.8	4.4	1.6	4.3	1.5	4.6	1.8	5.8	2.7	6.8	3.5	7.9	4.3	9.0	5.1	9.8	5.7	10.3	6.1	10.3	6.2	10.0	6.0	9.7	5.9	9.1	5.5	8.4	5.2	7.9	4.8	7.0	4.1
SW	7.2	3.9	6.8	3.6	6.6	3.4	6.5	3.2	6.4	3.1	5.8	2.5	5.7	2.4	5.6	2.3	5.4	2.1	5.3	2.0	5.6	2.3	6.8	3.2	7.8	4.0	8.6	4.7	9.3	5.3	9.8	5.7	10.6	6.2	11.3	6.6	11.6	6.8	11.8	6.9	11.5	6.7	10.9	6.4	10.1	5.9	8.8	5.0
W	7.7	4.2	7.3	3.8	7.1	3.6	6.9	3.4	6.9	3.4	6.2	2.7	6.1	2.6	6.0	2.5	5.9	2.4	5.8	2.3	6.1	2.5	7.2	3.4	8.2	4.2	9.1	4.9	9.7	5.5	10.2	5.9	10.5	6.2	11.1	6.6	11.8	6.9	12.4	7.2	12.4	7.2	12.0	7.0	11.5	6.6	10.3	5.8
NW	6.6	3.6	6.3	3.3	6.1	3.1	5.9	2.9	5.8	2.8	5.2	2.2	5.1	2.1	5.0	2.0	4.8	1.8	4.7	1.7	5.1	2.0	6.2	2.9	7.2	3.7	8.0	4.4	8.7	5.0	9.2	5.4	9.5	5.7	9.7	5.8	9.8	5.9	10.3	6.2	10.5	6.3	10.4	6.2	10.1	5.9	9.2	5.2
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																													
N	6.0	3.4	5.5	3.1	5.4	2.9	5.4	2.9	5.3	2.8	5.3	2.8	5.1	2.6	5.0	2.6	5.0	2.5	5.0	2.5	4.9	2.5	5.1	2.6	5.5	2.9	5.7	3.1	6.0	3.3	6.2	3.5	6.4	3.6	6.5	3.7	6.5	3.8	6.5	3.8	6.5	3.7	6.4	3.7	6.3	3.6	6.2	3.6
NE	6.9	3.8	6.6	3.6	6.5	3.5	6.4	3.4	6.4	3.4	6.4	3.3	6.2	3.1	6.1	3.1	6.1	3.1	6.0	3.0	6.0	3.0	6.2	3.1	6.8	3.5	7.3	3.9	7.5	4.1	7.6	4.2	7.5	4.2	7.5	4.3	7.6	4.3	7.6	4.3	7.5	4.3	7.5	4.2	7.3	4.2	7.1	4.0
E	8.1	4.4	7.8	4.2	7.7	4.1	7.6	4.0	7.6	4.0	7.6	3.9	7.4	3.7	7.3	3.7	7.3	3.7	7.2	3.6	7.2	3.6	7.4	3.7	8.1	4.2	8.6	4.5	9.0	4.8	9.1	5.0	9.1	5.0	8.9	4.9	8.8	4.9	8.8	4.9	8.7	4.9	8.7	4.8	8.5	4.8	8.3	4.6
SE	8.1	4.4	7.8	4.2	7.7	4.1	7.6	4.0	7.6	4.0	7.6	3.9	7.4	3.7	7.3	3.7	7.3	3.7	7.2	3.6	7.2	3.6	7.4	3.7	7.9	4.1	8.4	4.4	8.9	4.7	9.1	4.9	9.2	5.0	9.1	5.0	8.9	5.0	8.8	4.9	8.7	4.9	8.7	4.8	8.5	4.8	8.4	4.6
S	7.0	3.9	6.7	3.7	6.6	3.5	6.6	3.5	6.5	3.4	6.5	3.4	6.3	3.2	6.2	3.2	6.2	3.1	6.2	3.1	6.1	3.1	6.2	3.1	6.6	3.4	6.9	3.7	7.3	4.0	7.6	4.2	7.9	4.4	8.0	4.5	8.1	4.5	8.0	4.5	7.9	4.4	7.7	4.3	7.4	4.2	7.3	4.1
SW	8.4	4.6	7.8	4.2	7.7	4.1	7.7	4.0	7.6	4.0	7.6	4.0	7.4	3.8	7.3	3.7	7.3	3.7	7.3	3.6	7.2	3.6	7.3	3.7	7.7	4.0	8.0	4.2	8.3	4.5	8.5	4.6	8.7	4.8	8.9	4.9	9.2	5.1	9.2	5.1	9.3	5.2	9.2	5.1	9.0	5.0	8.8	4.9
W	9.2	5.0	8.4	4.5	8.2	4.4	8.2	4.3	8.1	4.2	8.1	4.2	7.9	4.0	7.9	4.0	7.8	3.9	7.8	3.9	7.7	3.9	7.9	3.9	8.2	4.2	8.5	4.5	8.8	4.7	9.0	4.9	9.2	5.0	9.3	5.1	9.5	5.2	9.7	5.3	9.9	5.4	9.9	5.4	9.8	5.4	9.6	5.3
NW	8.0	4.4	7.2	3.9	7.1	3.8	7.0	3.7	7.0	3.7	6.9	3.6	6.7	3.4	6.7	3.4	6.7	3.4	6.6	3.3	6.6	3.3	6.7	3.4	7.1	3.7	7.4	3.9	7.7	4.1	7.9	4.3	8.0	4.5	8.1	4.5	8.2	4.6	8.2	4.6	8.4	4.7	8.5	4.7	8.4	4.7	8.3	4.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																													
N	6.1	3.5	5.5	3.0	5.3	2.9	5.2	2.8	5.1	2.7	5.1	2.7	4.8	2.4	4.8	2.4	4.8	2.3	4.7	2.2	4.6	2.2	4.9	2.3	5.4	2.8	5.8	3.1	6.1	3.4	6.4	3.6	6.6	3.8	6.7	3.9	6.8	4.0	6.8	4.0	6.7	4.0	6.6	3.9	6.5	3.8	6.4	3.7
NE	6.9	3.9	6.5	3.6	6.4	3.4	6.3	3.3	6.2	3.2	6.2	3.2	5.9	2.9	5.8	2.9	5.8	2.9	5.7	2.8	5.7	2.7	6.0	2.9	6.8	3.5	7.4	3.9	7.8	4.2	7.8	4.3	7.7	4.4	7.8	4.4	7.8	4.5	7.8	4.5	7.8	4.5	7.7	4.4	7.5	4.3	7.3	4.2
E	8.1	4.5	7.7	4.2	7.5	4.0	7.5	3.9	7.4	3.8	7.4	3.8	7.1	3.5	7.0	3.5	7.0	3.4	6.9	3.4	6.9	3.3	7.2	3.5	8.1	4.1	8.8	4.6	9.3	5.0	9.5	5.2	9.4	5.2	9.2	5.1	9.0	5.1	9.0	5.1	8.9	5.1	8.8	5.0	8.7	4.9	8.4	4.7
SE	8.1	4.5	7.7	4.2	7.6	4.0	7.5	3.9	7.4	3.8	7.4	3.8	7.1	3.5	7.0	3.5	7.0	3.5	6.9	3.4	6.9	3.3	7.1	3.5	7.8	4.0	8.5	4.5	9.1	4.9	9.4	5.2	9.6	5.3	9.5	5.3	9.2	5.2	9.0	5.1	9.0	5.1	8.9	5.0	8.7	4.9	8.4	4.8
S	7.0	3.9	6.7	3.6	6.5	3.5	6.4	3.4	6.3	3.3	6.3	3.3	6.0	3.0	6.0	3.0	5.9	2.9	5.9	2.8	5.8	2.8	6.0	2.9	6.5	3.3	6.9	3.7	7.4	4.0	7.8	4.4	8.2	4.6	8.4	4.8	8.4	4.8	8.3	4.7	8.2	4.7	7.9	4.5	7.6	4.4	7.4	4.2
SW	8.5	4.7	7.7	4.2	7.6	4.0	7.5	3.9	7.4	3.8	7.4	3.8	7.1	3.5	7.1	3.5	7.0	3.5	6.9	3.4	6.9	3.3	7.1	3.4	7.5	3.8	8.0	4.2	8.3	4.5	8.6	4.8	8.9	4.9	9.2	5.2	9.5	5.4	9.6	5.4	9.7	5.5	9.6	5.4	9.3	5.2	9.0	5.0
W	9.4	5.1	8.2	4.4	8.1	4.3	8.0	4.2	7.9	4.1	7.9	4.1	7.6	3.8	7.6	3.7	7.5	3.7	7.5	3.6	7.4	3.6	7.6	3.7	8.0	4.1	8.5	4.5	8.8	4.8	9.1	5.0	9.4	5.2	9.5	5.3	9.7	5.5	10.0	5.6	10.3	5.7	10.3	5.7	10.1	5.6	9.9	5.5
NW	8.2	4.6	7.1	3.9	7.0	3.7	6.9	3.6	6.8	3.5	6.8	3.5	6.5	3.2	6.4	3.2	6.4	3.1	6.3	3.1	6.3	3.0	6.4	3.1	6.9	3.5	7.4	3.9	7.7	4.2	8.0	4.4	8.2	4.6	8.4	4.7	8.4	4.8	8.5	4.8	8.7	5.0	8.8	5.0	8.8	5.0	8.6	4.9
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																												
N	6.2	3.6	5.4	3.0	5.2	2.8	5.1	2.7	5.0	2.6	5.0	2.6	4.7	2.3	4.6	2.2	4.6	2.2	4.5	2.1	4.4	2.0	4.7	2.2	5.3	2.7	5.8	3.1	6.1	3.4	6.5	3.7	6.8	3.9	6.9	4.1	7.0	4.2	7.0	4.1	6.9	4.1	6.8	4.0	6.6	3.9	6.5	3.8
NE	6.9	3.9	6.5	3.5	6.3	3.3	6.2	3.2	6.1	3.1	6.0	3.1	5.7	2.8	5.7	2.7	5.6	2.7	5.5	2.6	5.5	2.5	5.9	2.8	6.8	3.4	7.5	4.0	7.9	4.3	8.0	4.5	7.9	4.5	7.9	4.6	8.0	4.7	8.0	4.7	7.9	4.6	7.8	4.6	7.6	4.4	7.3	4.2
E	8.0	4.5	7.6	4.1	7.4	3.9	7.3	3.8	7.2	3.7	7.2	3.7	6.9	3.4	6.8	3.3	6.8	3.3	6.7	3.2	6.6	3.1	7.0	3.4	8.1	4.1	8.9	4.7	9.6	5.1	9.7	5.3	9.7	5.4	9.4	5.3	9.2	5.3	9.2	5.3	9.1	5.2	9.0	5.2	8.8	5.0	8.5	4.8
SE	8.1	4.5	7.6	4.1	7.4	3.9	7.3	3.8	7.2	3.7	7.2	3.7	6.9	3.4	6.8	3.3	6.8	3.3	6.7	3.2	6.6	3.1	6.9	3.3	7.8	3.9	8.6	4.5	9.3	5.0	9.7	5.3	9.8	5.5	9.7	5.5	9.5	5.4	9.2	5.3	9.1	5.2	9.0	5.2	8.8	5.0	8.5	4.8
S	7.0	4.0	6.6	3.6	6.4	3.4	6.3	3.3	6.2	3.2	6.2	3.2	5.8	2.8	5.8	2.8	5.7	2.7	5.6	2.7	5.6	2.6	5.8	2.7	6.4	3.2	6.9	3.6	7.4	4.1	8.0	4.5	8.4	4.8	8.7	5.0	8.7	5.0	8.6	4.9	8.4	4.9	8.1	4.7	7.7	4.5	7.5	4.3
SW	8.5	4.7	7.7	4.1	7.5	3.9	7.4	3.8	7.3	3.7	7.2	3.7	6.9	3.4	6.8	3.3	6.8	3.3	6.7	3.2	6.7	3.1	6.8	3.3	7.4	3.7	7.9	4.2	8.4	4.5	8.7	4.8	9.0	5.1	9.4	5.3	9.8	5.5	9.9	5.6	10.1	5.7	9.9	5.6	9.6	5.4	9.2	5.2
W	9.5	5.2	8.2	4.4	8.0	4.2	7.9	4.1	7.8	4.0	7.7	4.0	7.4	3.6	7.3	3.6	7.3	3.5	7.2	3.4	7.2	3.4	7.3	3.5	7.9	4.0	8.4	4.4	8.9	4.8	9.2	5.1	9.5	5.3	9.6	5.4	10.0	5.6	10.3	5.8	10.6	6.0	10.6	6.0	10.4	5.8	10.2	5.7
NW	8.4	4.7	7.0	3.8	6.8	3.6	6.7	3.5	6.6	3.4	6.6	3.4	6.3	3.1	6.2	3.0	6.2	3.0	6.1	2.9	6.0	2.8	6.2	3.0	6.8	3.4	7.3	3.9	7.8	4.2	8.1	4.5	8.4	4.7	8.5	4.9	8.6	5.0	8.7	5.0	9.0	5.1	9.1	5.2	9.0	5.1	8.9	5.0
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																												
R	10.3	3.5	10.2	3.4	10.1	3.3	10.1	3.3	10.0	3.2	9.8	3.1	9.8	3.0	9.8	3.0	9.7	2.9	9.7	2.9	9.9	3.0	10.4	3.4	10.9	3.7	11.4	4.1	11.8	4.3	12.1	4.6	12.3	4.7	12.3	4.7	12.1	4.6	12.0	4.6	11.7	4.4	11.4	4.2	11.1	4.0	10.6	3.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:NEVŞEHİR (38.44)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																													
N	4.2	2.2	3.8	1.8	3.5	1.5	3.4	1.4	2.4	0.4	2.2	0.2	2.1	0.1	1.8	-0.2	1.6	-0.4	2.4	0.1	4.4	1.7	5.8	2.9	7.0	4.0	8.1	4.9	8.9	5.6	9.4	6.1	9.7	6.3	9.7	6.3	9.4	6.2	9.0	6.0	8.5	5.7	8.2	5.4	7.2	4.4	4.8	2.7
NE	5.0	2.6	4.7	2.2	4.4	2.0	4.3	1.8	3.2	0.8	3.1	0.6	2.9	0.5	2.6	0.2	2.5	0.0	3.7	0.8	6.7	2.8	8.9	4.5	10.2	5.6	10.5	6.1	10.2	6.3	10.3	6.5	10.6	6.8	10.6	6.7	10.3	6.6	9.9	6.4	9.2	6.0	8.3	5.4	6.9	4.3	5.6	3.2
E	6.0	3.1	5.6	2.7	5.3	2.4	5.2	2.3	4.2	1.3	4.0	1.1	3.9	1.0	3.6	0.7	3.4	0.5	4.7	1.3	8.0	3.5	10.7	5.4	12.6	6.8	13.2	7.5	13.0	7.7	12.0	7.4	11.6	7.2	11.5	7.2	11.2	7.1	10.9	6.9	10.2	6.5	9.3	5.9	7.9	4.8	6.6	3.7
SE	6.0	3.1	5.7	2.7	5.4	2.5	5.3	2.3	4.2	1.3	4.1	1.1	3.9	1.0	3.6	0.7	3.5	0.5	4.3	1.1	7.1	3.0	9.7	4.9	11.9	6.4	13.1	7.4	13.5	7.9	13.2	8.0	12.4	7.6	11.6	7.2	11.3	7.1	10.9	6.9	10.2	6.5	9.3	5.9	7.9	4.8	6.6	3.7
S	5.1	2.6	4.8	2.3	4.5	2.0	4.4	1.9	3.3	0.9	3.2	0.7	3.0	0.6	2.7	0.3	2.6	0.1	3.1	0.5	5.0	2.0	6.6	3.4	8.4	4.7	10.2	6.0	11.6	7.0	12.4	7.5	12.5	7.7	12.0	7.5	11.4	7.2	10.4	6.7	9.3	6.1	8.4	5.5	7.0	4.4	5.7	3.2
SW	6.0	3.1	5.7	2.7	5.4	2.4	5.3	2.3	4.2	1.3	4.1	1.1	3.9	1.0	3.6	0.7	3.5	0.5	4.0	0.9	5.9	2.4	7.5	3.8	8.9	4.9	10.0	5.9	10.8	6.6	12.1	7.4	13.3	8.1	13.7	8.3	14.2	8.6	13.6	8.3	12.6	7.7	11.3	6.9	9.3	5.5	6.6	3.7
W	6.4	3.3	6.1	2.9	5.8	2.7	5.7	2.5	4.7	1.5	4.5	1.3	4.3	1.2	4.0	0.9	3.9	0.8	4.4	1.1	6.3	2.6	7.9	4.0	9.3	5.1	10.4	6.1	11.2	6.8	11.7	7.2	12.7	7.8	13.7	8.3	14.7	8.9	14.7	8.8	14.2	8.5	13.3	7.9	11.4	6.6	7.0	3.9
NW	5.5	2.8	5.1	2.5	4.9	2.2	4.7	2.1	3.7	1.1	3.5	0.9	3.4	0.7	3.1	0.4	3.0	0.3	3.5	0.7	5.4	2.2	7.0	3.5	8.4	4.7	9.5	5.6	10.3	6.3	10.8	6.7	11.1	7.0	11.3	7.1	12.2	7.6	12.5	7.7	12.3	7.6	11.9	7.2	10.4	6.0	6.1	3.4
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																												
N	6.0	3.4	5.9	3.3	5.6	3.1	5.6	3.0	5.5	3.0	5.5	3.0	5.5	3.0	5.4	2.9	5.4	2.9	5.4	2.8	5.4	2.8	5.3	2.8	5.4	2.9	5.6	3.0	5.7	3.1	5.9	3.2	6.0	3.3	6.0	3.4	6.1	3.4	6.1	3.4	6.1	3.4	6.1	3.4	6.0	3.4	6.0	3.4
NE	7.0	3.9	6.9	3.8	6.7	3.7	6.7	3.6	6.6	3.6	6.6	3.5	6.6	3.5	6.5	3.4	6.5	3.4	6.5	3.4	6.5	3.4	6.4	3.4	6.6	3.4	6.8	3.6	7.1	3.8	7.2	3.9	7.2	3.9	7.2	3.9	7.2	4.0	7.2	4.0	7.2	4.0	7.2	4.0	7.1	4.0	7.1	3.9
E	8.2	4.5	8.1	4.4	8.0	4.3	7.9	4.2	7.9	4.2	7.8	4.2	7.8	4.1	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.8	4.0	8.1	4.3	8.4	4.4	8.5	4.6	8.6	4.6	8.6	4.7	8.5	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.3	4.5
SE	8.2	4.5	8.1	4.4	8.0	4.3	7.9	4.2	7.9	4.2	7.9	4.2	7.8	4.1	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.8	4.0	8.0	4.2	8.3	4.4	8.5	4.5	8.6	4.6	8.6	4.7	8.6	4.7	8.5	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.3	4.5
S	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.7	6.8	3.6	6.7	3.6	6.7	3.6	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.4	6.6	3.4	6.6	3.5	6.8	3.6	7.0	3.7	7.1	3.9	7.3	4.0	7.4	4.1	7.5	4.1	7.5	4.1	7.5	4.1	7.4	4.1	7.3	4.0	7.2	4.0
SW	8.5	4.6	8.3	4.5	8.0	4.3	7.9	4.2	7.9	4.2	7.9	4.2	7.9	4.2	7.8	4.1	7.8	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.8	4.0	7.9	4.2	8.1	4.3	8.2	4.4	8.3	4.5	8.4	4.6	8.5	4.6	8.6	4.7	8.7	4.7	8.7	4.8	8.7	4.7	8.6	4.7
W	9.1	4.9	8.9	4.8	8.5	4.5	8.5	4.5	8.4	4.5	8.4	4.4	8.4	4.4	8.3	4.3	8.3	4.3	8.3	4.3	8.2	4.3	8.2	4.2	8.3	4.3	8.5	4.4	8.6	4.6	8.7	4.7	8.8	4.8	8.9	4.8	9.0	4.9	9.1	4.9	9.2	5.0	9.3	5.0	9.3	5.0	9.2	5.0
NW	7.9	4.3	7.8	4.2	7.3	4.0	7.3	3.9	7.3	3.9	7.2	3.8	7.2	3.8	7.1	3.7	7.1	3.7	7.1	3.7	7.1	3.7	7.0	3.7	7.1	3.7	7.3	3.8	7.4	4.0	7.6	4.1	7.7	4.2	7.7	4.2	7.8	4.3	7.8	4.3	7.8	4.3	7.9	4.4	8.0	4.4	7.9	4.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																												
N	6.0	3.4	5.9	3.3	5.6	3.1	5.6	3.0	5.5	3.0	5.5	3.0	5.5	3.0	5.4	2.9	5.4	2.9	5.4	2.8	5.4	2.8	5.3	2.8	5.4	2.9	5.6	3.0	5.7	3.1	5.9	3.2	6.0	3.3	6.0	3.4	6.1	3.4	6.1	3.4	6.1	3.4	6.1	3.4	6.0	3.4	6.0	3.4
NE	7.0	3.9	6.9	3.8	6.7	3.7	6.7	3.6	6.6	3.6	6.6	3.5	6.6	3.5	6.5	3.4	6.5	3.4	6.5	3.4	6.5	3.4	6.4	3.4	6.6	3.4	6.8	3.6	7.1	3.8	7.2	3.9	7.2	3.9	7.2	3.9	7.2	4.0	7.2	4.0	7.2	4.0	7.2	4.0	7.1	4.0	7.1	3.9
E	8.2	4.5	8.1	4.4	8.0	4.3	7.9	4.2	7.9	4.2	7.8	4.2	7.8	4.1	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.8	4.0	8.1	4.3	8.4	4.4	8.5	4.6	8.6	4.6	8.6	4.7	8.5	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.3	4.5
SE	8.2	4.5	8.1	4.4	8.0	4.3	7.9	4.2	7.9	4.2	7.9	4.2	7.8	4.1	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.8	4.0	8.0	4.2	8.3	4.4	8.5	4.5	8.6	4.6	8.6	4.7	8.6	4.7	8.5	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.3	4.5
S	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.7	6.8	3.6	6.7	3.6	6.7	3.6	6.6	3.5	6.6	3.5	6.6	3.5	6.6	3.4	6.6	3.4	6.6	3.5	6.8	3.6	7.0	3.7	7.1	3.9	7.3	4.0	7.4	4.1	7.5	4.1	7.5	4.1	7.5	4.1	7.4	4.1	7.3	4.0	7.2	4.0
SW	8.5	4.6	8.3	4.5	8.0	4.3	7.9	4.2	7.9	4.2	7.9	4.2	7.9	4.2	7.8	4.1	7.8	4.0	7.7	4.0	7.7	4.0	7.7	4.0	7.8	4.0	7.9	4.2	8.1	4.3	8.2	4.4	8.3	4.5	8.4	4.6	8.5	4.6	8.6	4.7	8.7	4.7	8.7	4.8	8.7	4.7	8.6	4.7
W	9.1	4.9	8.9	4.8	8.5	4.5	8.5	4.5	8.4	4.5	8.4	4.4	8.4	4.4	8.3	4.3	8.3	4.3	8.3	4.3	8.2	4.3	8.2	4.2	8.3	4.3	8.5	4.4	8.6	4.6	8.7	4.7	8.8	4.8	8.9	4.8	9.0	4.9	9.1	4.9	9.2	5.0	9.3	5.0	9.3	5.0	9.2	5.0
NW	7.9	4.3	7.8	4.2	7.3	4.0	7.3	3.9	7.3	3.9	7.2	3.8	7.2	3.8	7.1	3.7	7.1	3.7	7.1	3.7	7.1	3.7	7.0	3.7	7.1	3.7	7.3	3.8	7.4	4.0	7.6	4.1	7.7	4.2	7.7	4.2	7.8	4.3	7.8	4.3	7.8	4.3	7.9	4.4	8.0	4.4	7.9	4.4
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																												
N	5.9	3.3	5.8	3.2	5.7	3.1	5.6	3.1	5.6	3.0	5.6	3.0	5.6	3.0	5.5	2.9	5.5	2.9	5.4	2.9	5.4	2.9	5.4	2.9	5.5	2.9	5.6	3.0	5.7	3.1	5.8	3.2	5.9	3.3	6.0	3.3	6.0	3.4	6.0	3.4	6.0	3.4	6.0	3.4	6.0	3.4	6.0	3.3
NE	7.0	3.8	6.9	3.8	6.8	3.7	6.7	3.6	6.7	3.6	6.7	3.6	6.7	3.6	6.6	3.5	6.6	3.5	6.6	3.5	6.5	3.4	6.5	3.4	6.6	3.5	6.8	3.6	7.0	3.8	7.1	3.9	7.1	3.9	7.1	3.9	7.1	3.9	7.1	3.9	7.1	3.9	7.1	3.9	7.1	3.9	7.0	3.9
E	8.2	4.5	8.1	4.4	8.0	4.3	7.9	4.2	7.9	4.2	7.9	4.2	7.9	4.2	7.8	4.1	7.8	4.1	7.8	4.1	7.8	4.0	7.7	4.0	7.8	4.1	8.1	4.3	8.3	4.4	8.5	4.5	8.5	4.6	8.5	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.3	4.5	8.3	4.5
SE	8.2	4.5	8.1	4.4	8.0	4.3	8.0	4.2	7.9	4.2	7.9	4.2	7.9	4.2	7.8	4.1	7.8	4.1	7.8	4.1	7.8	4.0	7.8	4.0	7.8	4.1	8.0	4.2	8.2	4.4	8.4	4.5	8.5	4.6	8.5	4.6	8.5	4.6	8.4	4.6	8.4	4.6	8.4	4.6	8.3	4.5	8.3	4.5
S	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.7	6.8	3.7	6.8	3.6	6.8	3.6	6.7	3.5	6.7	3.5	6.7	3.5	6.7	3.5	6.6	3.5	6.7	3.5	6.8	3.6	7.0	3.7	7.1	3.8	7.2	3.9	7.3	4.0	7.4	4.1	7.4	4.1	7.4	4.1	7.3	4.0	7.3	4.0	7.2	3.9
SW	8.4	4.6	8.2	4.4	8.0	4.3	8.0	4.3	8.0	4.2	7.9	4.2	7.9	4.2	7.8	4.1	7.8	4.1	7.8	4.1	7.8	4.1	7.8	4.1	7.8	4.1	8.0	4.2	8.1	4.3	8.2	4.4	8.3	4.5	8.4	4.5	8.5	4.6	8.6	4.6	8.6	4.7	8.6	4.7	8.6	4.7	8.5	4.6
W	9.0	4.9	8.9	4.8	8.6	4.6	8.5	4.5	8.5	4.5	8.5	4.5	8.4	4.5	8.4	4.4	8.4	4.4	8.3	4.4	8.3	4.3	8.3	4.3	8.4	4.3	8.5	4.5	8.6	4.6	8.7	4.7	8.8	4.7	8.9	4.8	8.9	4.8	9.0	4.9	9.1	4.9	9.2	4.9	9.2	4.9	9.1	4.9
NW	7.8	4.3	7.7	4.2	7.4	4.0	7.3	3.9	7.3	3.9	7.3	3.9	7.3	3.9	7.2	3.8	7.2	3.8	7.2	3.8	7.1	3.7	7.1	3.7	7.2	3.8	7.3	3.9	7.4	4.0	7.5	4.1	7.6	4.1	7.7	4.2	7.7	4.2	7.8	4.2	7.8	4.3	7.8	4.3	7.9	4.3	7.9	4.3
	R2 - 12cm Concrete+2 cm plaster																																												
R	1.9	-1.8	1.6	-2.0	-0.5	-4.2	-0.9	-4.6	-1.2	-4.8	-1.8	-5.5	-2.1	-5.8	-0.3	-4.7	5.5	-0.5	11.7	3.7	17.8	7.7	22.7	10.9	26.3	13.3	28.2	14.7	28.0	14.8	26.2	13.9	24.9	13.3	21.5	11.6	17.7	9.5	13.6	7.1	8.4	3.7	4.5	0.8	3.2	-0.5	2.5	-1.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:NİĞDE (37.59)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.3	5.2	7.0	4.9	6.8	4.8	6.6	4.6	6.5	4.5	6.0	4.0	5.9	3.9	5.8	3.8	5.7	3.7	5.6	3.6	6.1	3.9	7.4	4.6	8.0	5.2	8.1	5.5	8.6	5.9	8.9	6.2	9.1	6.4	9.2	6.5	9.2	6.5	9.1	6.5	8.9	6.4	8.6	6.2	8.8	6.2	8.4	5.9
NE	9.6	6.3	9.3	6.1	9.1	5.9	8.9	5.7	8.8	5.6	8.3	5.1	8.2	5.0	8.1	4.9	8.0	4.9	7.9	4.7	8.8	5.2	11.2	6.5	12.9	7.6	13.2	8.1	12.9	8.1	12.2	7.8	11.4	7.5	11.5	7.6	11.5	7.7	11.4	7.7	11.2	7.6	10.9	7.4	10.5	7.1	10.0	6.7
E	11.2	7.1	10.9	6.9	10.7	6.7	10.5	6.5	10.4	6.4	9.9	5.9	9.8	5.8	9.7	5.7	9.7	5.7	9.5	5.6	10.4	6.0	13.0	7.4	15.2	8.8	16.0	9.5	15.9	9.6	15.3	9.4	14.3	9.0	13.1	8.4	13.1	8.5	13.0	8.5	12.8	8.4	12.5	8.2	12.1	7.9	11.6	7.5
SE	11.3	7.2	11.0	6.9	10.9	6.8	10.7	6.6	10.5	6.5	10.1	6.0	9.9	5.9	9.8	5.8	9.8	5.7	9.7	5.6	10.1	5.9	11.9	6.9	13.8	8.1	15.0	8.9	15.5	9.4	15.5	9.5	15.1	9.4	14.3	9.1	13.3	8.6	13.2	8.5	13.0	8.5	12.6	8.2	12.2	7.9	11.7	7.5
S	8.5	5.8	8.2	5.5	8.1	5.4	7.8	5.2	7.7	5.1	7.3	4.6	7.1	4.5	7.0	4.4	7.0	4.3	6.9	4.2	7.1	4.3	7.8	4.8	8.6	5.5	9.3	6.1	10.4	6.8	11.2	7.4	11.8	7.7	12.0	7.9	11.9	7.9	11.5	7.7	10.8	7.4	9.8	6.8	9.4	6.5	8.9	6.1
SW	10.3	6.7	10.0	6.4	9.9	6.3	9.7	6.1	9.6	6.0	9.1	5.5	9.0	5.4	8.9	5.3	8.8	5.2	8.7	5.1	8.9	5.2	9.6	5.7	10.4	6.4	11.1	7.0	11.6	7.4	12.0	7.7	12.2	7.9	13.4	8.6	14.3	9.1	14.8	9.4	14.9	9.4	14.4	9.1	13.6	8.7	11.8	7.6
W	11.1	7.1	10.7	6.8	10.6	6.7	10.4	6.4	10.3	6.3	9.8	5.9	9.7	5.7	9.6	5.6	9.5	5.6	9.4	5.5	9.6	5.6	10.3	6.1	11.1	6.8	11.8	7.4	12.3	7.8	12.7	8.1	12.9	8.3	12.9	8.4	14.3	9.1	15.5	9.7	16.2	10.1	16.3	10.0	16.0	9.8	13.7	8.5
NW	9.4	6.3	9.1	6.0	8.9	5.8	8.7	5.6	8.6	5.5	8.1	5.0	8.0	4.9	7.9	4.8	7.9	4.8	7.7	4.7	8.0	4.8	8.7	5.3	9.5	5.9	10.2	6.6	10.7	6.9	11.0	7.2	11.2	7.4	11.3	7.5	11.3	7.6	12.3	8.1	13.1	8.5	13.5	8.7	13.6	8.6	11.8	7.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	10.1	7.4	6.7	5.2	5.6	4.3	5.1	3.8	4.5	3.2	4.1	2.8	2.6	1.3	2.2	0.9	1.9	0.6	1.7	0.4	1.4	0.1	3.0	0.9	6.9	3.3	8.9	5.2	9.3	6.2	10.8	7.4	11.9	8.4	12.5	9.0	12.8	9.3	12.8	9.5	12.5	9.5	11.9	9.2	10.9	8.5	11.6	8.6
NE	9.4	7.0	8.0	5.9	7.1	5.0	6.6	4.6	6.0	3.9	5.6	3.6	4.1	2.0	3.7	1.7	3.4	1.3	3.2	1.1	2.8	0.8	5.5	2.2	13.4	6.6	18.7	10.1	19.9	11.5	18.8	11.4	16.6	10.7	14.0	9.7	14.3	10.1	14.3	10.3	14.0	10.2	13.4	9.9	12.3	9.2	11.0	8.3
E	10.4	7.5	9.1	6.4	8.1	5.5	7.6	5.1	7.0	4.4	6.6	4.1	5.1	2.5	4.7	2.2	4.4	1.9	4.2	1.7	3.9	1.3	6.4	2.6	15.1	7.4	22.0	11.7	24.6	13.8	24.4	14.3	22.4	13.7	19.3	12.4	15.3	10.6	15.3	10.8	15.0	10.7	14.4	10.4	13.4	9.7	12.0	8.8
SE	10.8	7.7	9.5	6.6	8.5	5.8	8.1	5.3	7.4	4.6	7.1	4.3	5.5	2.8	5.2	2.4	4.8	2.1	4.6	1.9	4.3	1.5	5.7	2.3	11.3	5.5	17.4	9.4	21.2	12.1	22.9	13.5	23.0	13.9	21.7	13.6	19.3	12.6	16.0	11.1	15.5	10.9	14.9	10.6	13.8	9.9	12.5	9.0
S	8.7	6.6	7.3	5.6	6.4	4.7	5.9	4.2	5.3	3.6	4.9	3.2	3.4	1.7	3.0	1.3	2.7	1.0	2.5	0.8	2.2	0.4	2.8	0.8	5.1	2.4	7.8	4.6	10.0	6.5	13.5	8.8	16.2	10.5	17.9	11.7	18.6	12.3	18.4	12.3	17.0	11.7	14.6	10.5	11.7	8.8	10.3	7.9
SW	13.3	9.0	8.6	6.2	7.6	5.3	7.1	4.8	6.4	4.2	6.1	3.8	4.6	2.3	4.2	1.9	3.9	1.6	3.7	1.4	3.3	1.0	4.0	1.4	6.3	3.0	8.9	5.2	11.2	7.1	12.7	8.4	13.8	9.4	14.7	10.1	18.3	12.1	21.3	13.8	23.1	14.7	23.1	14.8	21.7	13.8	19.2	12.4
W	17.5	11.0	9.2	6.5	8.0	5.5	7.5	5.0	6.9	4.4	6.5	4.0	5.0	2.5	4.6	2.1	4.3	1.8	4.1	1.6	3.8	1.3	4.4	1.6	6.7	3.2	9.4	5.4	11.6	7.3	13.2	8.6	14.3	9.6	14.9	10.2	15.2	10.6	19.6	12.9	23.4	14.9	25.5	16.0	25.9	15.9	24.9	15.2
NW	15.9	10.2	8.2	6.0	6.9	5.0	6.5	4.5	5.8	3.9	5.5	3.5	3.9	2.0	3.6	1.6	3.3	1.3	3.1	1.1	2.7	0.7	3.4	1.1	5.7	2.7	8.3	4.9	10.6	6.8	12.1	8.1	13.2	9.1	13.9	9.7	14.1	10.0	14.1	10.2	17.2	11.8	19.8	13.1	21.2	13.6	21.5	13.5
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.9	5.5	7.5	5.2	7.3	5.1	7.2	5.0	7.2	4.9	7.1	4.9	6.9	4.7	6.8	4.6	6.8	4.6	6.8	4.6	6.7	4.5	6.9	4.6	7.5	4.9	7.8	5.2	7.8	5.3	8.0	5.5	8.2	5.6	8.2	5.7	8.3	5.8	8.3	5.8	8.2	5.8	8.2	5.7	8.0	5.6	8.1	5.7
NE	10.1	6.6	9.9	6.5	9.8	6.3	9.7	6.3	9.7	6.2	9.6	6.1	9.4	5.9	9.4	5.9	9.3	5.8	9.3	5.8	9.2	5.8	9.6	5.9	10.7	6.5	11.4	7.0	11.6	7.2	11.4	7.2	11.1	7.1	10.8	7.0	10.8	7.0	10.8	7.0	10.8	7.0	10.7	7.0	10.5	6.9	10.3	6.8
E	11.9	7.5	11.7	7.3	11.6	7.2	11.5	7.2	11.4	7.1	11.4	7.0	11.2	6.8	11.1	6.8	11.1	6.7	11.0	6.7	11.0	6.6	11.3	6.8	12.5	7.5	13.5	8.1	13.8	8.3	13.8	8.4	13.5	8.3	13.1	8.1	12.5	7.9	12.5	7.9	12.5	7.9	12.4	7.9	12.3	7.8	12.1	7.7
SE	11.9	7.5	11.8	7.4	11.6	7.2	11.6	7.2	11.5	7.1	11.4	7.0	11.2	6.8	11.2	6.8	11.1	6.7	11.1	6.7	11.1	6.7	11.2	6.8	12.0	7.2	12.8	7.7	13.4	8.1	13.6	8.3	13.6	8.4	13.4	8.3	13.1	8.2	12.6	8.0	12.6	7.9	12.5	7.9	12.3	7.8	12.2	7.7
S	9.0	6.0	8.8	5.9	8.7	5.8	8.6	5.7	8.5	5.6	8.5	5.6	8.2	5.3	8.2	5.3	8.2	5.3	8.1	5.2	8.1	5.2	8.2	5.2	8.5	5.4	8.8	5.7	9.1	6.0	9.6	6.3	10.0	6.5	10.2	6.7	10.3	6.8	10.3	6.8	10.1	6.7	9.8	6.5	9.4	6.3	9.2	6.2
SW	11.4	7.2	10.8	6.9	10.6	6.7	10.6	6.7	10.5	6.6	10.4	6.5	10.2	6.3	10.2	6.3	10.1	6.2	10.1	6.2	10.1	6.2	10.2	6.2	10.5	6.4	10.8	6.7	11.1	7.0	11.3	7.2	11.5	7.3	11.6	7.4	12.1	7.7	12.5	7.9	12.7	8.0	12.8	8.0	12.6	7.9	12.2	7.7
W	12.7	7.9	11.6	7.3	11.4	7.1	11.3	7.1	11.2	7.0	11.2	6.9	11.0	6.7	10.9	6.7	10.9	6.6	10.9	6.6	10.8	6.6	10.9	6.6	11.2	6.8	11.6	7.1	11.9	7.4	12.1	7.5	12.3	7.7	12.3	7.8	12.4	7.8	13.0	8.1	13.5	8.4	13.8	8.5	13.8	8.5	13.7	8.4
NW	10.8	6.9	9.8	6.4	9.6	6.2	9.5	6.2	9.5	6.1	9.4	6.0	9.2	5.8	9.1	5.8	9.1	5.7	9.1	5.7	9.0	5.7	9.1	5.7	9.4	5.9	9.8	6.2	10.1	6.5	10.3	6.7	10.5	6.8	10.5	6.9	10.6	6.9	10.6	6.9	11.0	7.2	11.3	7.3	11.5	7.4	11.6	7.4
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.0	5.6	7.4	5.2	7.3	5.1	7.2	5.0	7.1	4.9	7.0	4.8	6.8	4.6	6.7	4.5	6.7	4.5	6.6	4.4	6.6	4.4	6.8	4.5	7.5	4.9	7.8	5.2	7.9	5.4	8.1	5.6	8.3	5.7	8.4	5.8	8.4	5.9	8.4	5.9	8.4	5.9	8.3	5.8	8.1	5.7	8.2	5.7
NE	10.1	6.6	9.9	6.4	9.7	6.3	9.7	6.2	9.5	6.1	9.5	6.1	9.2	5.8	9.2	5.7	9.1	5.7	9.1	5.7	9.0	5.6	9.5	5.8	10.8	6.5	11.6	7.1	11.8	7.3	11.6	7.3	11.3	7.2	10.9	7.1	10.9	7.1	10.9	7.1	10.9	7.1	10.8	7.1	10.6	7.0	10.4	6.8
E	11.8	7.5	11.6	7.3	11.5	7.2	11.4	7.1	11.3	7.0	11.2	6.9	11.0	6.7	10.9	6.6	10.9	6.6	10.8	6.5	10.8	6.5	11.2	6.7	12.6	7.5	13.7	8.2	14.1	8.5	14.1	8.6	13.8	8.5	13.3	8.3	12.6	8.0	12.6	8.0	12.6	8.0	12.5	8.0	12.3	7.8	12.1	7.7
SE	11.9	7.5	11.7	7.3	11.5	7.2	11.5	7.1	11.4	7.0	11.3	7.0	11.0	6.7	11.0	6.6	10.9	6.6	10.9	6.6	10.8	6.5	11.1	6.6	12.0	7.2	13.0	7.8	13.6	8.2	13.9	8.5	13.9	8.5	13.7	8.5	13.3	8.3	12.7	8.1	12.7	8.0	12.6	8.0	12.4	7.9	12.2	7.7
S	9.0	6.0	8.7	5.9	8.6	5.7	8.5	5.6	8.4	5.5	8.3	5.5	8.1	5.2	8.0	5.2	8.0	5.1	8.0	5.1	7.9	5.0	8.0	5.1	8.4	5.4	8.8	5.7	9.2	6.0	9.7	6.4	10.2	6.7	10.5	6.9	10.6	6.9	10.5	7.0	10.3	6.9	9.9	6.7	9.4	6.4	9.2	6.2
SW	11.5	7.3	10.7	6.9	10.5	6.7	10.5	6.6	10.4	6.5	10.3	6.5	10.1	6.2	10.0	6.2	9.9	6.1	9.9	6.1	9.9	6.0	10.0	6.1	10.3	6.3	10.8	6.7	11.1	7.0	11.4	7.2	11.6	7.4	11.7	7.5	12.3	7.8	12.8	8.1	13.1	8.2	13.1	8.2	12.8	8.1	12.4	7.9
W	12.8	8.0	11.5	7.2	11.3	7.1	11.2	7.0	11.1	6.9	11.1	6.8	10.8	6.6	10.7	6.5	10.7	6.5	10.7	6.4	10.6	6.4	10.7	6.5	11.1	6.7	11.5	7.1	11.9	7.4	12.1	7.6	12.3	7.7	12.4	7.8	12.5	7.9	13.2	8.3	13.8	8.6	14.1	8.8	14.2	8.8	14.0	8.6
NW	11.0	7.0	9.7	6.4	9.5	6.2	9.4	6.1	9.3	6.0	9.3	6.0	9.0	5.7	9.0	5.6	8.9	5.6	8.9	5.6	8.8	5.5	8.9	5.6	9.3	5.8	9.7	6.2	10.1	6.5	10.4	6.7	10.5	6.9	10.6	7.0	10.7	7.0	10.7	7.0	11.2	7.3	11.6	7.5	11.8	7.6	11.9	7.6
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	15.6	7.3	15.5	7.2	15.4	7.2	15.4	7.1	15.3	7.1	15.2	6.9	15.2	6.9	15.1	6.9	15.1	6.9	15.1	6.8	15.2	6.9	15.6	7.1	16.2	7.5	16.7	7.8	17.1	8.1	17.4	8.3	17.6	8.4	17.7	8.5	17.7	8.5	17.5	8.4	17.2	8.2	16.8	8.0	16.4	7.8	15.8	7.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:NİĞDE (37.59)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	6.6	4.7	6.3	4.5	6.0	4.2	5.8	4.0	5.0	3.2	4.8	3.0	4.7	2.9	4.6	2.8	4.4	2.6	5.2	3.0	7.2	4.2	8.3	5.2	8.5	5.7	9.2	6.3	9.8	6.8	10.1	7.1	10.2	7.3	10.2	7.4	10.1	7.4	9.8	7.2	9.3	6.9	9.6	6.9	8.9	6.3	7.1	5.2
NE	8.6	5.8	8.4	5.5	8.1	5.2	7.9	5.0	7.1	4.2	6.9	4.0	6.7	3.9	6.6	3.8	6.5	3.6	7.8	4.3	11.9	6.6	14.6	8.3	15.2	9.1	14.6	9.0	13.5	8.7	12.2	8.2	12.3	8.4	12.3	8.4	12.2	8.4	11.9	8.3	11.3	7.9	10.6	7.4	9.8	6.8	9.1	6.2
E	10.1	6.5	9.8	6.3	9.5	5.9	9.3	5.7	8.5	5.0	8.3	4.8	8.2	4.6	8.1	4.5	7.9	4.3	9.2	5.0	13.6	7.4	17.2	9.6	18.5	10.7	18.4	10.9	17.4	10.6	15.8	10.0	13.7	9.1	13.7	9.2	13.6	9.1	13.3	9.0	12.8	8.6	12.1	8.1	11.2	7.5	10.6	6.9
SE	10.3	6.6	10.1	6.4	9.7	6.0	9.5	5.8	8.7	5.1	8.6	4.9	8.4	4.7	8.3	4.6	8.1	4.4	8.8	4.8	11.7	6.5	14.8	8.5	16.8	9.9	17.6	10.6	17.7	10.8	17.0	10.6	15.8	10.1	14.1	9.3	13.8	9.2	13.5	9.1	13.0	8.7	12.3	8.3	11.5	7.6	10.8	7.0
S	7.7	5.3	7.4	5.1	7.1	4.7	6.9	4.5	6.1	3.8	5.9	3.6	5.8	3.4	5.7	3.3	5.5	3.1	5.8	3.3	7.0	4.1	8.4	5.2	9.5	6.2	11.3	7.4	12.7	8.3	13.6	8.9	13.9	9.2	13.8	9.2	13.1	8.9	11.9	8.3	10.4	7.4	9.7	6.9	8.8	6.3	8.2	5.7
SW	9.3	6.1	9.1	5.9	8.7	5.5	8.5	5.4	7.8	4.6	7.6	4.4	7.4	4.2	7.3	4.1	7.1	3.9	7.5	4.1	8.7	4.9	10.0	6.1	11.2	7.1	11.9	7.7	12.5	8.2	13.0	8.6	14.8	9.6	16.3	10.4	17.2	10.9	17.3	11.0	16.5	10.5	15.3	9.7	12.3	8.0	9.8	6.6
W	9.9	6.4	9.7	6.2	9.4	5.9	9.2	5.7	8.4	4.9	8.2	4.7	8.0	4.5	7.9	4.4	7.8	4.2	8.1	4.4	9.3	5.3	10.6	6.4	11.8	7.4	12.6	8.0	13.1	8.5	13.5	8.8	13.6	9.0	15.9	10.2	17.8	11.2	18.9	11.8	19.1	11.8	18.5	11.4	14.8	9.2	10.5	6.9
NW	8.4	5.7	8.2	5.5	7.9	5.1	7.7	4.9	6.9	4.1	6.7	4.0	6.6	3.8	6.5	3.7	6.3	3.5	6.6	3.7	7.8	4.5	9.2	5.6	10.3	6.6	11.1	7.3	11.7	7.8	12.0	8.1	12.1	8.3	12.1	8.4	13.7	9.2	15.0	9.8	15.7	10.1	15.9	10.0	13.0	8.4	9.1	6.2
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.8	5.4	7.7	5.3	7.5	5.2	7.5	5.2	7.5	5.1	7.4	5.1	7.4	5.1	7.3	5.0	7.3	5.0	7.3	5.0	7.3	5.0	7.3	5.0	7.3	5.0	7.5	5.1	7.6	5.2	7.7	5.3	7.7	5.3	7.8	5.4	7.8	5.4	7.8	5.4	7.8	5.4	7.8	5.4	7.8	5.4	7.7	5.4
NE	10.3	6.6	10.2	6.6	10.1	6.5	10.1	6.5	10.1	6.4	10.0	6.4	10.0	6.4	9.9	6.3	9.9	6.3	9.9	6.3	9.9	6.3	9.9	6.3	10.0	6.3	10.4	6.5	10.7	6.7	10.7	6.8	10.7	6.8	10.6	6.7	10.4	6.7	10.4	6.7	10.4	6.7	10.4	6.7	10.4	6.7	10.3	6.7
E	12.1	7.5	12.0	7.5	12.0	7.4	11.9	7.4	11.9	7.4	11.9	7.3	11.8	7.3	11.8	7.2	11.8	7.2	11.7	7.2	11.7	7.2	11.7	7.2	11.8	7.2	12.3	7.5	12.6	7.7	12.7	7.8	12.7	7.8	12.6	7.8	12.5	7.7	12.3	7.6	12.3	7.6	12.3	7.6	12.2	7.6	12.2	7.6
SE	12.1	7.5	12.1	7.5	12.0	7.4	11.9	7.4	11.9	7.4	11.9	7.3	11.9	7.3	11.8	7.2	11.8	7.2	11.8	7.2	11.8	7.2	11.7	7.2	11.8	7.2	12.1	7.4	12.4	7.6	12.6	7.7	12.6	7.8	12.6	7.8	12.6	7.8	12.5	7.7	12.3	7.7	12.3	7.6	12.3	7.6	12.2	7.6
S	9.1	6.0	9.0	6.0	8.9	5.9	8.9	5.9	8.9	5.8	8.8	5.8	8.8	5.8	8.7	5.7	8.7	5.7	8.7	5.7	8.7	5.7	8.7	5.7	8.7	5.7	8.8	5.8	8.9	5.9	9.1	6.0	9.2	6.1	9.4	6.1	9.4	6.2	9.5	6.2	9.5	6.2	9.4	6.2	9.3	6.1	9.1	6.1
SW	11.5	7.2	11.2	7.1	11.0	6.9	11.0	6.9	10.9	6.9	10.9	6.8	10.9	6.8	10.8	6.7	10.8	6.7	10.8	6.7	10.8	6.7	10.7	6.7	10.8	6.7	10.9	6.8	11.0	6.9	11.1	7.0	11.2	7.0	11.3	7.1	11.3	7.1	11.5	7.2	11.6	7.3	11.7	7.4	11.7	7.4	11.6	7.3
W	12.6	7.8	12.2	7.6	11.8	7.3	11.7	7.3	11.7	7.3	11.7	7.2	11.7	7.2	11.6	7.1	11.6	7.1	11.6	7.1	11.6	7.1	11.5	7.1	11.6	7.1	11.7	7.2	11.8	7.3	11.9	7.4	12.0	7.4	12.0	7.5	12.1	7.5	12.1	7.5	12.3	7.7	12.5	7.7	12.6	7.8	12.6	7.8
NW	10.6	6.8	10.3	6.6	9.9	6.4	9.9	6.4	9.8	6.3	9.8	6.3	9.8	6.3	9.7	6.2	9.7	6.2	9.7	6.2	9.7	6.2	9.7	6.1	9.7	6.2	9.8	6.2	9.9	6.4	10.0	6.4	10.1	6.5	10.2	6.6	10.2	6.6	10.2	6.6	10.2	6.6	10.4	6.7	10.5	6.8	10.6	6.8
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	8.0	5.5	7.4	5.2	7.3	5.1	7.2	5.0	7.1	4.9	7.1	4.8	6.8	4.6	6.8	4.6	6.7	4.5	6.7	4.5	6.6	4.4	6.9	4.6	7.5	4.9	7.8	5.2	7.8	5.4	8.1	5.5	8.2	5.7	8.3	5.8	8.4	5.8	8.4	5.9	8.3	5.8	8.2	5.8	8.1	5.7	8.2	5.7
NE	10.1	6.6	9.9	6.4	9.8	6.3	9.7	6.2	9.6	6.1	9.5	6.1	9.3	5.9	9.3	5.8	9.2	5.8	9.2	5.7	9.1	5.7	9.5	5.9	10.7	6.5	11.5	7.1	11.7	7.3	11.5	7.3	11.2	7.2	10.8	7.0	10.9	7.1	10.9	7.1	10.8	7.1	10.7	7.0	10.6	6.9	10.4	6.8
E	11.9	7.5	11.7	7.3	11.5	7.2	11.4	7.1	11.3	7.0	11.3	7.0	11.1	6.7	11.0	6.7	11.0	6.6	10.9	6.6	10.9	6.5	11.3	6.7	12.6	7.5	13.6	8.1	14.0	8.4	14.0	8.5	13.7	8.4	13.2	8.2	12.6	7.9	12.6	8.0	12.6	8.0	12.5	7.9	12.3	7.8	12.1	7.7
SE	11.9	7.5	11.7	7.3	11.6	7.2	11.5	7.1	11.4	7.0	11.4	7.0	11.1	6.8	11.1	6.7	11.0	6.7	11.0	6.6	10.9	6.6	11.1	6.7	12.0	7.2	12.9	7.8	13.5	8.2	13.8	8.4	13.8	8.5	13.6	8.4	13.2	8.2	12.7	8.0	12.6	8.0	12.5	8.0	12.4	7.8	12.2	7.7
S	9.0	6.0	8.8	5.9	8.6	5.7	8.5	5.7	8.4	5.6	8.4	5.5	8.2	5.3	8.1	5.2	8.1	5.2	8.0	5.1	8.0	5.1	8.1	5.2	8.4	5.4	8.8	5.7	9.2	6.0	9.7	6.4	10.1	6.6	10.4	6.8	10.5	6.9	10.4	6.9	10.2	6.8	9.9	6.6	9.4	6.4	9.2	6.2
SW	11.5	7.3	10.7	6.9	10.6	6.7	10.5	6.7	10.4	6.6	10.4	6.5	10.1	6.3	10.1	6.2	10.0	6.2	10.0	6.1	9.9	6.1	10.0	6.1	10.4	6.4	10.8	6.7	11.1	7.0	11.4	7.2	11.5	7.3	11.7	7.4	12.2	7.8	12.7	8.0	12.9	8.1	12.9	8.2	12.7	8.0	12.3	7.8
W	12.8	7.9	11.5	7.2	11.3	7.1	11.3	7.0	11.2	6.9	11.1	6.9	10.9	6.6	10.8	6.6	10.8	6.5	10.8	6.5	10.7	6.5	10.8	6.5	11.1	6.8	11.5	7.1	11.9	7.4	12.1	7.6	12.3	7.7	12.4	7.8	12.4	7.9	13.1	8.2	13.7	8.5	14.0	8.7	14.0	8.7	13.9	8.6
NW	10.9	7.0	9.7	6.4	9.6	6.2	9.5	6.1	9.4	6.0	9.3	6.0	9.1	5.8	9.0	5.7	9.0	5.6	9.0	5.6	8.9	5.6	9.0	5.6	9.4	5.9	9.8	6.2	10.1	6.5	10.3	6.7	10.5	6.8	10.6	6.9	10.6	7.0	10.6	7.0	11.1	7.2	11.5	7.4	11.7	7.5	11.8	7.5
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.7	5.3	7.7	5.3	7.5	5.2	7.5	5.2	7.5	5.2	7.5	5.1	7.4	5.1	7.4	5.0	7.4	5.0	7.3	5.0	7.3	5.0	7.3	5.0	7.4	5.0	7.5	5.1	7.6	5.2	7.6	5.2	7.7	5.3	7.7	5.3	7.8	5.4	7.8	5.4	7.8	5.4	7.8	5.4	7.7	5.4	7.7	5.3
NE	10.3	6.6	10.2	6.6	10.2	6.5	10.1	6.5	10.1	6.5	10.1	6.4	10.1	6.4	10.0	6.4	10.0	6.3	10.0	6.3	10.0	6.3	9.9	6.3	10.1	6.4	10.4	6.5	10.6	6.7	10.6	6.7	10.6	6.7	10.5	6.7	10.4	6.7	10.4	6.7	10.4	6.7	10.4	6.7	10.4	6.7	10.3	6.6
E	12.1	7.5	12.0	7.5	12.0	7.4	12.0	7.4	11.9	7.4	11.9	7.4	11.9	7.3	11.8	7.3	11.8	7.3	11.8	7.3	11.8	7.2	11.8	7.2	11.9	7.3	12.2	7.5	12.5	7.6	12.6	7.7	12.6	7.7	12.5	7.7	12.4	7.7	12.2	7.6	12.2	7.6	12.2	7.6	12.2	7.6	12.2	7.6
SE	12.1	7.5	12.1	7.5	12.0	7.4	12.0	7.4	12.0	7.4	11.9	7.4	11.9	7.3	11.9	7.3	11.8	7.3	11.8	7.3	11.8	7.3	11.8	7.2	11.9	7.3	12.1	7.4	12.3	7.6	12.5	7.7	12.6	7.7	12.6	7.7	12.5	7.7	12.4	7.7	12.3	7.6	12.3	7.6	12.2	7.6	12.2	7.6
S	9.1	6.0	9.0	6.0	8.9	5.9	8.9	5.9	8.9	5.9	8.9	5.8	8.8	5.8	8.8	5.8	8.8	5.7	8.8	5.7	8.7	5.7	8.7	5.7	8.8	5.7	8.9	5.8	9.0	5.9	9.0	5.9	9.2	6.0	9.3	6.1	9.4	6.2	9.4	6.2	9.4	6.2	9.3	6.2	9.2	6.1	9.1	6.0
SW	11.5	7.2	11.2	7.1	11.0	6.9	11.0	6.9	11.0	6.9	10.9	6.9	10.9	6.9	10.9	6.8	10.8	6.8	10.8	6.8	10.8	6.8	10.8	6.7	10.8	6.8	10.9	6.8	11.0	6.9	11.1	7.0	11.2	7.0	11.2	7.1	11.3	7.1	11.4	7.2	11.5	7.3	11.6	7.3	11.6	7.3	11.5	7.3
W	12.4	7.7	12.2	7.5	11.8	7.3	11.8	7.3	11.8	7.3	11.7	7.3	11.7	7.2	11.7	7.2	11.6	7.2	11.6	7.2	11.6	7.2	11.6	7.1	11.6	7.2	11.7	7.2	11.8	7.3	11.9	7.4	12.0	7.4	12.0	7.5	12.1	7.5	12.1	7.5	12.2	7.6	12.4	7.7	12.5	7.7	12.5	7.7
NW	10.5	6.7	10.3	6.6	9.9	6.4	9.9	6.4	9.9	6.4	9.9	6.3	9.8	6.3	9.8	6.2	9.8	6.2	9.7	6.2	9.7	6.2	9.7	6.2	9.8	6.2	9.8	6.3	9.9	6.4	10.0	6.4	10.1	6.5	10.2	6.5	10.2	6.6	10.2	6.6	10.2	6.6	10.3	6.6	10.4	6.7	10.5	6.7
	R2 - 12cm Concrete+2 cm plaster																																															
R	6.9	2.4	6.5	2.0	4.9	0.4	4.5	0.0	4.1	-0.4	3.9	-0.6	3.5	-0.9	4.7	-0.3	9.9	2.8	16.7	7.1	22.9	11.0	27.7	14.0	31.1	16.1	33.3	17.5	34.1	18.2	33.8	18.2	31.9	17.3	28.1	15.4	23.5	12.9	18.5	10.2	12.5	6.7	9.2	4.6	8.1	3.6	7.6	3.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:ORDU (41.00)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.4	3.5	5.3	3.3	5.2	3.3	5.2	3.2	5.1	3.2	5.1	3.1	5.1	3.1	5.1	3.1	5.1	3.1	5.0	3.1	5.2	3.2	5.8	3.6	6.5	4.1	7.0	4.4	7.3	4.6	7.5	4.7	7.6	4.9	7.7	4.9	7.6	4.9	7.4	4.8	7.2	4.6	6.7	4.3	6.3	4.0	5.8	3.7
NE	5.9	3.7	5.8	3.6	5.7	3.5	5.7	3.5	5.6	3.4	5.6	3.4	5.6	3.4	5.6	3.4	5.6	3.4	5.5	3.3	5.7	3.4	6.5	3.9	7.8	4.7	8.2	5.1	8.2	5.1	8.0	5.0	8.2	5.1	8.2	5.2	8.2	5.1	8.0	5.0	7.7	4.9	7.2	4.5	6.7	4.3	6.2	3.9
E	6.8	4.2	6.7	4.0	6.6	4.0	6.6	3.9	6.5	3.9	6.5	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.6	3.9	7.4	4.4	9.0	5.4	9.7	5.8	10.0	5.9	10.0	6.0	9.4	5.7	9.1	5.6	9.0	5.6	8.8	5.5	8.6	5.3	8.1	5.0	7.6	4.7	7.1	4.4
SE	6.8	4.1	6.6	4.0	6.6	3.9	6.5	3.9	6.5	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.7	6.5	3.8	7.3	4.3	8.7	5.2	9.5	5.7	10.0	5.9	10.5	6.2	10.2	6.1	9.7	5.9	9.0	5.6	8.8	5.4	8.5	5.3	8.0	5.0	7.6	4.7	7.0	4.3
S	7.2	4.4	7.1	4.2	7.0	4.2	7.0	4.1	6.9	4.1	6.9	4.0	6.9	4.0	6.9	4.0	6.9	4.0	6.8	4.0	6.9	4.0	7.6	4.5	8.4	5.0	9.1	5.5	9.7	5.8	10.5	6.2	10.8	6.4	10.8	6.5	10.6	6.4	10.1	6.1	9.4	5.7	8.5	5.2	8.0	4.9	7.5	4.6
SW	7.4	4.5	7.3	4.3	7.2	4.3	7.2	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.1	7.8	4.6	8.5	5.1	9.0	5.4	9.3	5.6	9.5	5.7	10.3	6.2	10.9	6.5	11.2	6.7	11.2	6.7	10.6	6.3	9.4	5.7	8.5	5.2	7.8	4.7
W	7.1	4.3	6.9	4.2	6.9	4.1	6.8	4.1	6.8	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.8	4.0	7.4	4.4	8.1	4.9	8.7	5.3	8.9	5.4	9.1	5.6	9.3	5.7	9.7	5.9	10.4	6.3	10.8	6.4	10.5	6.2	9.4	5.6	8.4	5.1	7.6	4.6
NW	6.1	3.8	6.0	3.7	5.9	3.6	5.9	3.6	5.8	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.8	3.5	6.5	3.9	7.2	4.4	7.7	4.8	8.0	4.9	8.2	5.1	8.3	5.2	8.4	5.2	8.3	5.2	8.7	5.4	8.7	5.4	8.1	5.0	7.3	4.6	6.6	4.1
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	6.0	3.8	5.9	3.7	5.9	3.7	5.8	3.7	5.8	3.7	5.8	3.6	5.8	3.6	5.8	3.6	5.8	3.6	5.8	3.6	5.8	3.6	5.8	3.6	6.0	3.8	6.2	3.9	6.4	4.0	6.5	4.1	6.6	4.1	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2	6.5	4.1	6.3	4.0	6.2	3.9
NE	6.6	4.1	6.5	4.0	6.4	4.0	6.4	4.0	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.3	3.9	6.4	3.9	6.7	4.1	7.1	4.3	7.2	4.4	7.2	4.4	7.1	4.4	7.2	4.5	7.2	4.5	7.2	4.5	7.1	4.4	7.0	4.4	6.9	4.3	6.7	4.2
E	7.5	4.6	7.5	4.5	7.4	4.5	7.4	4.4	7.4	4.4	7.4	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.4	4.4	7.7	4.6	8.2	4.9	8.4	5.0	8.5	5.1	8.5	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.1	4.9	8.0	4.9	7.9	4.8	7.7	4.7
SE	7.5	4.6	7.4	4.5	7.4	4.5	7.4	4.4	7.4	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.6	4.6	8.0	4.8	8.3	5.0	8.5	5.1	8.6	5.2	8.5	5.1	8.4	5.1	8.2	5.0	8.1	4.9	8.0	4.9	7.8	4.8	7.7	4.7
S	8.0	4.8	7.9	4.7	7.9	4.7	7.8	4.7	7.8	4.7	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	8.0	4.8	8.3	4.9	8.5	5.1	8.7	5.2	9.0	5.3	9.1	5.4	9.1	5.4	9.0	5.4	8.8	5.3	8.6	5.2	8.3	5.0	8.2	4.9
SW	8.2	4.9	8.1	4.8	8.1	4.8	8.0	4.8	8.0	4.8	8.0	4.7	8.0	4.7	8.0	4.7	8.0	4.7	8.0	4.7	8.0	4.7	8.0	4.7	8.2	4.9	8.4	5.0	8.6	5.1	8.7	5.2	8.8	5.2	9.0	5.4	9.2	5.5	9.3	5.5	9.3	5.5	9.1	5.4	8.7	5.2	8.5	5.1
W	7.9	4.8	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.6	4.6	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.5	7.9	4.7	8.1	4.8	8.2	5.0	8.3	5.0	8.4	5.1	8.4	5.1	8.6	5.2	8.8	5.3	8.9	5.3	8.8	5.3	8.5	5.1	8.2	4.9
NW	6.8	4.2	6.7	4.1	6.6	4.1	6.6	4.0	6.6	4.0	6.6	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.6	4.0	6.8	4.1	7.0	4.3	7.2	4.4	7.3	4.5	7.3	4.5	7.4	4.6	7.4	4.6	7.4	4.6	7.5	4.6	7.5	4.6	7.3	4.5	7.0	4.3
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	6.0	3.8	5.8	3.7	5.8	3.6	5.7	3.6	5.7	3.6	5.7	3.6	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.6	3.5	5.7	3.5	6.0	3.7	6.3	4.0	6.5	4.1	6.6	4.2	6.7	4.2	6.8	4.3	6.8	4.3	6.8	4.3	6.7	4.3	6.6	4.2	6.4	4.0	6.2	3.9
NE	6.5	4.1	6.4	4.0	6.3	3.9	6.3	3.9	6.3	3.9	6.3	3.8	6.2	3.8	6.2	3.8	6.2	3.8	6.2	3.8	6.2	3.8	6.3	3.8	6.6	4.1	7.2	4.4	7.4	4.5	7.4	4.6	7.3	4.5	7.4	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.1	4.5	6.9	4.3	6.7	4.2
E	7.5	4.5	7.3	4.4	7.3	4.4	7.3	4.4	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.6	4.6	8.3	5.0	8.6	5.2	8.7	5.2	8.7	5.3	8.5	5.1	8.3	5.1	8.3	5.1	8.2	5.0	8.1	4.9	7.9	4.8	7.7	4.7
SE	7.4	4.5	7.3	4.4	7.3	4.4	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.1	4.3	7.2	4.3	7.5	4.5	8.2	4.9	8.5	5.1	8.7	5.2	8.9	5.3	8.8	5.3	8.6	5.2	8.3	5.1	8.2	5.0	8.1	4.9	7.9	4.8	7.7	4.7
S	7.9	4.8	7.8	4.7	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.5	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.5	7.7	4.5	8.0	4.7	8.3	5.0	8.6	5.2	8.9	5.3	9.2	5.5	9.3	5.6	9.4	5.6	9.3	5.5	9.0	5.4	8.7	5.2	8.4	5.0	8.1	4.9
SW	8.2	4.9	8.0	4.8	7.9	4.7	7.9	4.7	7.9	4.7	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.9	4.6	8.1	4.8	8.4	5.0	8.7	5.2	8.8	5.3	8.9	5.3	9.2	5.5	9.5	5.6	9.6	5.7	9.6	5.7	9.4	5.6	8.9	5.3	8.5	5.1
W	7.9	4.7	7.6	4.6	7.6	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.4	7.5	4.4	7.5	4.4	7.5	4.4	7.5	4.4	7.5	4.4	7.8	4.6	8.1	4.9	8.3	5.0	8.4	5.1	8.5	5.1	8.6	5.2	8.8	5.3	9.1	5.4	9.2	5.5	9.1	5.4	8.6	5.2	8.2	4.9
NW	6.8	4.2	6.6	4.1	6.5	4.0	6.5	4.0	6.5	4.0	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.7	4.1	7.0	4.3	7.3	4.5	7.4	4.5	7.5	4.6	7.5	4.7	7.6	4.7	7.5	4.7	7.7	4.8	7.7	4.7	7.4	4.6	7.1	4.4
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	5.9	3.8	5.8	3.7	5.7	3.6	5.7	3.5	5.6	3.5	5.6	3.5	5.6	3.5	5.6	3.5	5.6	3.5	5.6	3.5	5.6	3.4	5.6	3.5	6.0	3.7	6.3	4.0	6.6	4.2	6.7	4.2	6.8	4.3	6.9	4.4	6.9	4.4	6.9	4.4	6.8	4.3	6.7	4.2	6.4	4.1	6.2	4.0
NE	6.5	4.0	6.3	3.9	6.2	3.9	6.2	3.8	6.2	3.8	6.2	3.8	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.2	3.8	6.6	4.0	7.3	4.5	7.5	4.6	7.5	4.6	7.4	4.6	7.5	4.7	7.5	4.7	7.5	4.7	7.4	4.6	7.2	4.5	7.0	4.4	6.7	4.2
E	7.4	4.5	7.3	4.4	7.2	4.3	7.2	4.3	7.1	4.3	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.3	7.6	4.5	8.4	5.0	8.8	5.3	8.9	5.3	8.9	5.4	8.6	5.2	8.4	5.2	8.4	5.1	8.3	5.1	8.2	5.0	7.9	4.8	7.7	4.7
SE	7.4	4.5	7.2	4.4	7.2	4.3	7.1	4.3	7.1	4.3	7.1	4.2	7.0	4.2	7.0	4.2	7.0	4.2	7.0	4.2	7.0	4.2	7.1	4.2	7.5	4.5	8.2	4.9	8.7	5.2	8.9	5.3	9.2	5.5	9.0	5.4	8.8	5.3	8.4	5.1	8.3	5.1	8.1	5.0	7.9	4.8	7.6	4.7
S	7.8	4.7	7.7	4.6	7.6	4.6	7.6	4.5	7.6	4.5	7.6	4.5	7.5	4.4	7.5	4.4	7.5	4.4	7.5	4.4	7.5	4.4	7.6	4.5	7.9	4.7	8.3	5.0	8.7	5.2	9.0	5.4	9.4	5.6	9.6	5.7	9.6	5.7	9.5	5.7	9.2	5.5	8.8	5.3	8.4	5.1	8.1	4.9
SW	8.1	4.9	7.9	4.7	7.8	4.7	7.8	4.6	7.8	4.6	7.7	4.6	7.7	4.5	7.7	4.5	7.7	4.5	7.7	4.5	7.7	4.5	7.7	4.5	8.1	4.8	8.5	5.0	8.7	5.2	8.9	5.3	9.0	5.4	9.4	5.6	9.7	5.8	9.9	5.9	9.9	5.9	9.5	5.7	9.0	5.3	8.5	5.1
W	7.8	4.7	7.5	4.5	7.5	4.5	7.4	4.4	7.4	4.4	7.4	4.4	7.4	4.4	7.3	4.4	7.3	4.4	7.3	4.3	7.3	4.3	7.4	4.4	7.7	4.6	8.1	4.9	8.4	5.0	8.5	5.1	8.6	5.2	8.7	5.3	8.9	5.4	9.3	5.6	9.5	5.7	9.3	5.6	8.7	5.2	8.2	5.0
NW	6.8	4.2	6.5	4.0	6.4	4.0	6.4	3.9	6.4	3.9	6.3	3.9	6.3	3.8	6.3	3.8	6.3	3.8	6.3	3.8	6.3	3.8	6.3	3.8	6.7	4.1	7.1	4.3	7.3	4.5	7.5	4.6	7.6	4.7	7.7	4.7	7.7	4.8	7.7	4.8	7.9	4.9	7.9	4.8	7.5	4.6	7.1	4.4
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	5.9	3.7	5.9	3.7	5.9	3.7	5.9	3.7	5.8	3.7	5.8	3.6	5.8	3.6	5.8	3.6	5.8	3.6	5.8	3.6	5.8	3.7	6.0	3.8	6.2	3.9	6.4	4.0	6.5	4.1	6.5	4.1	6.6	4.1	6.6	4.2	6.6	4.2	6.5	4.1	6.4	4.1	6.3	4.0	6.2	3.9	6.0	3.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:ORDU (41.00)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	4.8	3.0	4.6	2.9	4.6	2.8	4.5	2.7	4.4	2.6	4.4	2.6	4.4	2.6	4.4	2.6	4.3	2.6	4.5	2.7	5.6	3.4	6.7	4.2	7.6	4.8	8.0	5.0	8.4	5.3	8.6	5.5	8.7	5.6	8.6	5.5	8.3	5.4	7.8	5.1	7.1	4.6	6.4	4.2	5.5	3.6	5.0	3.2
NE	5.2	3.2	5.1	3.1	5.0	3.1	4.9	3.0	4.8	2.9	4.8	2.8	4.8	2.8	4.8	2.8	4.8	2.8	5.1	3.0	6.4	3.8	8.5	5.1	9.2	5.6	9.2	5.7	8.8	5.5	9.1	5.7	9.2	5.8	9.1	5.8	8.8	5.6	8.3	5.3	7.5	4.8	6.7	4.3	5.9	3.8	5.4	3.5
E	6.0	3.6	5.9	3.5	5.8	3.4	5.7	3.3	5.6	3.3	5.6	3.2	5.6	3.2	5.6	3.2	5.6	3.2	5.9	3.4	7.3	4.2	9.9	5.8	11.0	6.5	11.4	6.7	11.5	6.9	10.5	6.4	10.0	6.2	9.9	6.2	9.5	6.0	9.1	5.7	8.3	5.2	7.5	4.7	6.6	4.1	6.2	3.8
SE	5.9	3.6	5.8	3.5	5.7	3.4	5.6	3.3	5.5	3.2	5.5	3.2	5.5	3.2	5.5	3.2	5.5	3.1	5.7	3.3	7.0	4.1	9.3	5.5	10.6	6.3	11.5	6.8	12.2	7.2	11.8	7.1	10.9	6.7	9.8	6.1	9.4	5.9	9.0	5.6	8.2	5.1	7.4	4.7	6.5	4.1	6.1	3.8
S	6.4	3.8	6.3	3.7	6.2	3.6	6.1	3.5	6.0	3.4	6.0	3.4	6.0	3.4	6.0	3.4	5.9	3.4	6.1	3.5	7.2	4.2	8.4	5.1	9.7	5.9	10.7	6.4	11.9	7.1	12.5	7.4	12.5	7.4	12.1	7.3	11.3	6.9	10.1	6.2	8.8	5.4	7.9	4.9	7.0	4.3	6.6	4.0
SW	6.5	3.9	6.4	3.8	6.3	3.7	6.2	3.6	6.1	3.5	6.1	3.5	6.1	3.5	6.1	3.5	6.1	3.5	6.3	3.6	7.3	4.3	8.5	5.1	9.3	5.7	9.8	5.9	10.2	6.2	11.5	6.9	12.4	7.4	13.0	7.7	13.0	7.7	12.0	7.1	10.1	6.1	8.6	5.3	7.4	4.5	6.7	4.1
W	6.2	3.7	6.1	3.6	6.0	3.6	6.0	3.5	5.9	3.4	5.8	3.4	5.8	3.3	5.8	3.3	5.8	3.3	6.0	3.4	7.0	4.1	8.2	5.0	9.1	5.5	9.5	5.8	9.9	6.1	10.1	6.2	10.8	6.6	11.9	7.2	12.5	7.5	12.0	7.2	10.2	6.1	8.6	5.3	7.3	4.5	6.5	4.0
NW	5.4	3.3	5.2	3.2	5.2	3.1	5.1	3.0	5.0	2.9	5.0	2.9	5.0	2.9	5.0	2.9	4.9	2.9	5.1	3.0	6.2	3.7	7.3	4.5	8.2	5.1	8.6	5.3	9.0	5.6	9.2	5.8	9.3	5.9	9.2	5.8	9.9	6.1	9.9	6.1	8.8	5.4	7.6	4.8	6.4	4.0	5.6	3.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.2	3.9	6.1	3.8	6.0	3.8	6.0	3.8	6.0	3.8	6.0	3.8	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.1	3.8	6.2	3.9	6.3	3.9	6.3	4.0	6.3	4.0	6.4	4.0	6.4	4.0	6.4	4.0	6.3	4.0	6.3	4.0	6.2	3.9
NE	6.7	4.2	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.6	4.0	6.7	4.1	6.9	4.2	7.0	4.3	7.0	4.3	6.9	4.3	7.0	4.3	7.0	4.3	7.0	4.3	6.9	4.3	6.9	4.3	6.8	4.2
E	7.7	4.7	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.5	7.6	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.6	4.5	7.7	4.6	8.0	4.8	8.1	4.8	8.1	4.9	8.1	4.9	8.0	4.8	8.0	4.8	8.0	4.8	7.9	4.8	7.9	4.8	7.8	4.7
SE	7.7	4.7	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.6	4.5	7.7	4.6	7.9	4.7	8.0	4.8	8.1	4.9	8.2	4.9	8.1	4.9	8.1	4.9	7.9	4.8	7.9	4.8	7.9	4.8	7.8	4.7
S	8.2	4.9	8.1	4.9	8.1	4.8	8.1	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.1	4.8	8.2	4.9	8.4	5.0	8.5	5.0	8.6	5.1	8.6	5.1	8.6	5.2	8.6	5.1	8.5	5.1	8.4	5.0	8.3	5.0
SW	8.4	5.0	8.3	5.0	8.3	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.3	4.9	8.4	5.0	8.5	5.1	8.6	5.1	8.6	5.1	8.7	5.2	8.8	5.2	8.9	5.3	8.9	5.3	8.8	5.2	8.6	5.1
W	8.1	4.9	8.0	4.8	7.9	4.7	7.9	4.7	7.9	4.7	7.9	4.7	7.8	4.7	7.8	4.7	7.8	4.7	7.8	4.7	7.8	4.7	7.8	4.7	7.8	4.7	8.0	4.8	8.1	4.8	8.1	4.9	8.2	4.9	8.2	4.9	8.2	5.0	8.3	5.0	8.4	5.0	8.5	5.1	8.4	5.0	8.3	4.9
NW	7.0	4.3	6.9	4.2	6.8	4.2	6.8	4.2	6.8	4.1	6.8	4.1	6.7	4.1	6.7	4.1	6.7	4.1	6.7	4.1	6.7	4.1	6.7	4.1	6.7	4.1	6.8	4.2	7.0	4.3	7.0	4.3	7.1	4.4	7.1	4.4	7.1	4.4	7.1	4.4	7.1	4.4	7.2	4.4	7.2	4.4	7.1	4.4
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	4.4	3.1	2.7	2.0	2.1	1.3	1.7	1.0	1.5	0.8	1.2	0.5	0.9	0.2	0.9	0.2	0.9	0.2	0.9	0.2	0.8	0.0	1.4	0.4	4.6	2.6	7.9	5.0	10.4	6.7	11.7	7.4	12.8	8.2	13.5	8.7	13.8	8.9	13.5	8.9	12.5	8.3	11.1	7.4	8.9	5.9	6.9	4.7
NE	4.2	3.0	2.9	2.1	2.3	1.4	1.9	1.1	1.7	0.9	1.4	0.6	1.1	0.3	1.1	0.3	1.1	0.3	1.1	0.3	1.0	0.1	1.8	0.6	5.7	3.1	11.9	6.9	14.1	8.5	14.1	8.6	13.0	8.3	13.7	8.8	13.9	9.0	13.7	8.9	12.7	8.4	11.3	7.5	9.1	6.0	6.8	4.7
E	4.5	3.1	3.2	2.2	2.6	1.6	2.2	1.3	2.0	1.1	1.8	0.8	1.5	0.5	1.4	0.5	1.4	0.4	1.4	0.4	1.3	0.3	2.1	0.8	6.3	3.4	14.0	8.0	17.3	10.1	18.6	10.8	18.8	11.2	16.0	9.9	14.3	9.2	14.0	9.1	13.1	8.6	11.7	7.7	9.4	6.2	7.1	4.8
SE	4.2	3.0	2.9	2.1	2.3	1.4	1.9	1.1	1.7	0.9	1.5	0.6	1.2	0.3	1.1	0.3	1.1	0.3	1.1	0.3	1.0	0.2	1.7	0.6	5.5	3.0	12.2	7.1	16.2	9.6	18.7	10.9	20.9	12.3	19.7	11.8	17.1	10.6	13.8	9.0	12.7	8.4	11.4	7.5	9.1	6.1	6.8	4.7
S	4.6	3.2	3.4	2.3	2.7	1.7	2.4	1.3	2.2	1.1	1.9	0.8	1.6	0.6	1.6	0.5	1.6	0.5	1.6	0.5	1.4	0.4	2.0	0.7	5.1	2.8	8.8	5.4	12.6	7.8	15.6	9.3	19.2	11.4	20.7	12.3	20.8	12.4	19.6	11.9	17.3	10.7	13.7	8.7	9.8	6.4	7.3	4.9
SW	5.4	3.6	3.5	2.3	2.8	1.7	2.5	1.4	2.3	1.2	2.0	0.9	1.7	0.6	1.7	0.6	1.6	0.5	1.6	0.5	1.5	0.4	2.0	0.7	5.2	2.9	8.7	5.3	11.2	7.0	12.5	7.7	13.6	8.6	17.5	10.7	20.3	12.2	21.9	13.0	22.0	13.0	18.9	11.3	13.3	8.2	8.9	5.7
W	5.9	3.8	3.3	2.3	2.7	1.6	2.3	1.3	2.1	1.1	1.9	0.8	1.6	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.4	0.4	1.9	0.7	5.1	2.8	8.5	5.3	11.0	7.0	12.3	7.7	13.4	8.5	14.1	9.0	16.3	10.2	19.4	11.8	21.3	12.7	19.8	11.8	14.5	8.8	9.8	6.2
NW	5.4	3.6	3.0	2.1	2.3	1.5	2.0	1.1	1.8	0.9	1.5	0.6	1.2	0.3	1.2	0.3	1.2	0.3	1.1	0.3	1.0	0.2	1.6	0.5	4.7	2.6	8.2	5.1	10.7	6.8	12.0	7.5	13.0	8.3	13.8	8.8	14.0	9.0	13.7	9.0	15.6	9.8	15.7	9.7	12.5	7.8	8.9	5.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.4	3.5	5.3	3.3	5.2	3.3	5.2	3.2	5.1	3.2	5.1	3.1	5.1	3.1	5.1	3.1	5.1	3.1	5.0	3.1	5.2	3.2	5.8	3.6	6.5	4.1	7.0	4.4	7.3	4.6	7.5	4.7	7.6	4.9	7.7	4.9	7.6	4.9	7.4	4.8	7.2	4.6	6.7	4.3	6.3	4.0	5.8	3.7
NE	5.9	3.7	5.8	3.6	5.7	3.5	5.7	3.5	5.6	3.4	5.6	3.4	5.6	3.4	5.6	3.4	5.6	3.4	5.5	3.3	5.7	3.4	6.5	3.9	7.8	4.7	8.2	5.1	8.2	5.1	8.0	5.0	8.2	5.1	8.2	5.2	8.2	5.1	8.0	5.0	7.7	4.9	7.2	4.5	6.7	4.3	6.2	3.9
E	6.8	4.2	6.7	4.0	6.6	4.0	6.6	3.9	6.5	3.9	6.5	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.6	3.9	7.4	4.4	9.0	5.4	9.7	5.8	10.0	5.9	10.0	6.0	9.4	5.7	9.1	5.6	9.0	5.6	8.8	5.5	8.6	5.3	8.1	5.0	7.6	4.7	7.1	4.4
SE	6.8	4.1	6.6	4.0	6.6	3.9	6.5	3.9	6.5	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.4	3.7	6.5	3.8	7.3	4.3	8.7	5.2	9.5	5.7	10.0	5.9	10.5	6.2	10.2	6.1	9.7	5.9	9.0	5.6	8.8	5.4	8.5	5.3	8.0	5.0	7.6	4.7	7.0	4.3
S	7.2	4.4	7.1	4.2	7.0	4.2	7.0	4.1	6.9	4.1	6.9	4.0	6.9	4.0	6.9	4.0	6.9	4.0	6.8	4.0	6.9	4.0	7.6	4.5	8.4	5.0	9.1	5.5	9.7	5.8	10.5	6.2	10.8	6.4	10.8	6.5	10.6	6.4	10.1	6.1	9.4	5.7	8.5	5.2	8.0	4.9	7.5	4.6
SW	7.4	4.5	7.3	4.3	7.2	4.3	7.2	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.1	7.8	4.6	8.5	5.1	9.0	5.4	9.3	5.6	9.5	5.7	10.3	6.2	10.9	6.5	11.2	6.7	11.2	6.7	10.6	6.3	9.4	5.7	8.5	5.2	7.8	4.7
W	7.1	4.3	6.9	4.2	6.9	4.1	6.8	4.1	6.8	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.8	4.0	7.4	4.4	8.1	4.9	8.7	5.3	8.9	5.4	9.1	5.6	9.3	5.7	9.7	5.9	10.4	6.3	10.8	6.4	10.5	6.2	9.4	5.6	8.4	5.1	7.6	4.6
NW	6.1	3.8	6.0	3.7	5.9	3.6	5.9	3.6	5.8	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.8	3.5	6.5	3.9	7.2	4.4	7.7	4.8	8.0	4.9	8.2	5.1	8.3	5.2	8.4	5.2	8.3	5.2	8.7	5.4	8.7	5.4	8.1	5.0	7.3	4.6	6.6	4.1
	R2 - 12cm Concrete+2 cm plaster																																															
R	2.9	-0.3	2.7	-0.5	2.5	-0.7	2.4	-0.7	2.4	-0.7	2.4	-0.7	2.3	-0.8	2.9	-0.5	6.3	1.6	11.2	4.6	15.0	6.8	18.3	8.5	22.0	10.5	23.3	11.3	23.3	11.4	22.2	10.9	20.1	9.8	16.3	7.7	11.7	5.2	8.1	3.2	5.0	1.4	3.7	0.6	3.3	0.1	3.0	-0.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:RİZE (41.02)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.1	4.0	6.0	4.0	6.0	3.9	6.0	3.9	5.9	3.8	5.5	3.4	5.5	3.4	5.4	3.4	5.4	3.4	5.4	3.3	5.7	3.5	6.3	4.0	7.0	4.4	7.4	4.8	7.8	5.0	8.1	5.2	8.2	5.3	8.3	5.3	8.2	5.3	8.1	5.3	7.9	5.2	7.5	4.9	7.0	4.6	6.3	4.2
NE	6.7	4.3	6.7	4.3	6.6	4.2	6.6	4.2	6.5	4.2	6.1	3.8	6.1	3.7	6.0	3.7	6.0	3.7	6.0	3.6	6.4	3.9	7.1	4.4	8.4	5.1	9.0	5.5	9.0	5.6	8.7	5.5	8.9	5.6	8.9	5.7	8.9	5.7	8.8	5.6	8.5	5.5	8.1	5.2	7.6	4.9	6.9	4.5
E	7.5	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.3	4.6	6.9	4.2	6.9	4.1	6.8	4.1	6.8	4.1	6.8	4.0	7.2	4.3	8.0	4.8	9.5	5.7	10.5	6.3	10.7	6.4	10.4	6.4	10.0	6.2	9.7	6.1	9.7	6.1	9.6	6.0	9.3	5.9	8.9	5.6	8.4	5.3	7.7	4.9
SE	7.5	4.7	7.4	4.7	7.4	4.6	7.4	4.6	7.3	4.6	6.9	4.1	6.9	4.1	6.8	4.1	6.8	4.1	6.8	4.0	7.1	4.2	7.8	4.7	9.2	5.5	10.2	6.1	10.7	6.4	10.8	6.5	10.6	6.4	10.1	6.3	9.7	6.0	9.5	6.0	9.3	5.9	8.9	5.6	8.3	5.3	7.7	4.9
S	7.4	4.7	7.3	4.6	7.3	4.6	7.3	4.6	7.2	4.5	6.8	4.1	6.7	4.0	6.7	4.0	6.7	4.0	6.6	3.9	6.9	4.1	7.6	4.6	8.3	5.1	9.0	5.5	9.7	5.9	10.2	6.2	10.5	6.4	10.5	6.4	10.3	6.3	10.0	6.2	9.4	5.9	8.7	5.6	8.2	5.2	7.6	4.8
SW	7.5	4.7	7.4	4.7	7.4	4.6	7.4	4.6	7.3	4.5	6.9	4.1	6.8	4.1	6.8	4.1	6.8	4.1	6.8	4.0	7.0	4.2	7.7	4.6	8.4	5.1	8.8	5.5	9.2	5.7	9.5	5.9	10.1	6.2	10.6	6.5	10.7	6.6	10.8	6.6	10.3	6.4	9.5	6.0	8.6	5.4	7.7	4.9
W	7.3	4.6	7.3	4.6	7.2	4.5	7.2	4.5	7.1	4.5	6.7	4.1	6.7	4.0	6.6	4.0	6.6	4.0	6.6	3.9	6.9	4.1	7.5	4.6	8.2	5.0	8.7	5.4	9.0	5.6	9.3	5.8	9.5	5.9	9.8	6.1	10.3	6.3	10.6	6.5	10.3	6.4	9.7	6.0	8.6	5.4	7.6	4.8
NW	6.6	4.3	6.6	4.2	6.5	4.2	6.5	4.2	6.4	4.1	6.0	3.7	6.0	3.7	6.0	3.6	6.0	3.6	5.9	3.6	6.2	3.8	6.8	4.2	7.5	4.7	8.0	5.0	8.3	5.2	8.6	5.4	8.8	5.6	8.8	5.6	8.8	5.6	9.2	5.8	9.1	5.8	8.7	5.5	7.8	5.0	6.9	4.5
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	6.6	4.3	6.5	4.2	6.5	4.2	6.5	4.2	6.5	4.2	6.4	4.2	6.3	4.0	6.3	4.0	6.3	4.0	6.3	4.0	6.3	4.0	6.4	4.1	6.6	4.2	6.8	4.3	6.9	4.5	7.1	4.5	7.1	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.1	4.6	6.9	4.5	6.8	4.4
NE	7.3	4.6	7.2	4.6	7.2	4.6	7.2	4.5	7.2	4.5	7.1	4.5	7.0	4.4	7.0	4.4	7.0	4.4	7.0	4.4	7.0	4.3	7.1	4.4	7.3	4.6	7.7	4.8	7.9	5.0	7.9	5.0	7.9	4.9	7.9	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.8	4.9	7.6	4.9	7.5	4.8
E	8.2	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.0	5.0	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	8.0	4.9	8.2	5.0	8.7	5.3	9.0	5.5	9.1	5.6	9.0	5.5	8.9	5.5	8.8	5.4	8.8	5.4	8.8	5.4	8.7	5.4	8.5	5.3	8.4	5.2
SE	8.2	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.0	5.0	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	8.0	4.9	8.2	5.0	8.6	5.3	9.0	5.5	9.1	5.6	9.1	5.6	9.1	5.6	8.9	5.5	8.8	5.4	8.7	5.4	8.7	5.4	8.5	5.3	8.4	5.2
S	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.8	4.8	8.0	4.9	8.2	5.1	8.5	5.2	8.7	5.3	8.8	5.4	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.4	8.6	5.3	8.4	5.2	8.2	5.1
SW	8.1	5.0	8.1	5.0	8.0	5.0	8.0	5.0	8.0	5.0	8.0	4.9	7.9	4.8	7.9	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.9	4.8	8.1	5.0	8.3	5.1	8.5	5.2	8.6	5.3	8.7	5.4	8.9	5.5	9.0	5.6	9.1	5.6	9.1	5.6	8.9	5.5	8.7	5.4	8.4	5.2
W	8.0	5.0	7.9	4.9	7.8	4.9	7.8	4.9	7.8	4.9	7.8	4.8	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.6	4.7	7.7	4.7	7.9	4.9	8.2	5.0	8.3	5.1	8.4	5.2	8.5	5.3	8.6	5.3	8.7	5.4	8.8	5.4	8.9	5.5	8.8	5.5	8.6	5.3	8.3	5.1
NW	7.2	4.6	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	6.9	4.3	6.9	4.3	6.9	4.3	6.9	4.3	6.9	4.3	7.0	4.4	7.2	4.5	7.4	4.7	7.5	4.8	7.7	4.8	7.7	4.9	7.8	4.9	7.8	4.9	7.8	5.0	7.9	5.0	7.9	5.0	7.8	4.9	7.5	4.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	6.5	4.3	6.4	4.2	6.4	4.2	6.4	4.1	6.4	4.1	6.4	4.1	6.2	3.9	6.2	3.9	6.1	3.9	6.1	3.9	6.1	3.9	6.3	4.0	6.5	4.2	6.8	4.4	7.0	4.5	7.2	4.6	7.3	4.7	7.4	4.7	7.4	4.8	7.4	4.8	7.3	4.7	7.2	4.7	7.0	4.6	6.8	4.5
NE	7.2	4.6	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.0	4.5	6.9	4.3	6.8	4.3	6.8	4.2	6.8	4.2	6.8	4.2	7.0	4.3	7.3	4.5	7.8	4.9	8.1	5.1	8.1	5.1	8.0	5.0	8.1	5.1	8.1	5.1	8.1	5.1	8.0	5.1	7.9	5.0	7.7	4.9	7.5	4.8
E	8.1	5.0	8.0	5.0	8.0	4.9	8.0	4.9	7.9	4.9	7.9	4.9	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.9	4.8	8.2	5.0	8.9	5.4	9.3	5.6	9.4	5.7	9.3	5.7	9.1	5.6	9.0	5.5	8.9	5.5	8.9	5.5	8.8	5.5	8.6	5.4	8.4	5.2
SE	8.1	5.0	8.0	5.0	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.6	7.8	4.8	8.1	5.0	8.7	5.3	9.2	5.6	9.4	5.7	9.4	5.7	9.3	5.7	9.1	5.6	8.9	5.5	8.9	5.5	8.8	5.5	8.6	5.4	8.4	5.2
S	7.9	5.0	7.8	4.9	7.8	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.6	4.6	7.6	4.6	7.5	4.6	7.5	4.6	7.5	4.6	7.6	4.7	7.9	4.9	8.2	5.1	8.6	5.3	8.9	5.4	9.1	5.6	9.2	5.7	9.2	5.7	9.1	5.6	9.0	5.6	8.7	5.4	8.4	5.3	8.2	5.1
SW	8.1	5.0	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.6	4.6	7.8	4.7	8.0	4.9	8.3	5.1	8.6	5.3	8.7	5.4	8.8	5.4	9.1	5.6	9.3	5.7	9.4	5.8	9.4	5.8	9.2	5.7	8.9	5.5	8.4	5.2
W	7.9	4.9	7.8	4.9	7.7	4.8	7.7	4.8	7.7	4.8	7.7	4.8	7.5	4.6	7.5	4.6	7.5	4.6	7.5	4.6	7.5	4.5	7.6	4.6	7.9	4.8	8.2	5.0	8.4	5.2	8.5	5.3	8.6	5.4	8.7	5.4	8.9	5.5	9.1	5.6	9.2	5.7	9.1	5.6	8.8	5.5	8.3	5.2
NW	7.1	4.6	7.0	4.5	7.0	4.5	7.0	4.4	7.0	4.4	6.9	4.4	6.8	4.2	6.8	4.2	6.7	4.2	6.7	4.2	6.7	4.2	6.8	4.3	7.1	4.4	7.4	4.7	7.6	4.8	7.8	4.9	7.9	5.0	8.0	5.0	8.0	5.1	8.0	5.1	8.1	5.1	8.1	5.1	7.9	5.0	7.5	4.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	6.5	4.2	6.4	4.2	6.3	4.1	6.3	4.1	6.3	4.1	6.3	4.1	6.1	3.9	6.1	3.8	6.0	3.8	6.0	3.8	6.0	3.8	6.2	3.9	6.5	4.1	6.8	4.4	7.1	4.5	7.3	4.7	7.4	4.8	7.5	4.8	7.5	4.9	7.5	4.8	7.4	4.8	7.3	4.8	7.1	4.6	6.9	4.5
NE	7.2	4.6	7.1	4.5	7.0	4.5	7.0	4.5	7.0	4.4	7.0	4.4	6.8	4.2	6.7	4.2	6.7	4.2	6.7	4.2	6.7	4.1	6.9	4.3	7.3	4.5	7.9	4.9	8.3	5.1	8.2	5.1	8.1	5.1	8.2	5.2	8.2	5.2	8.2	5.2	8.1	5.2	8.0	5.1	7.8	5.0	7.5	4.8
E	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.8	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.5	4.6	7.8	4.7	8.2	5.0	9.0	5.4	9.5	5.7	9.6	5.8	9.4	5.8	9.2	5.7	9.1	5.6	9.1	5.6	9.0	5.6	8.9	5.5	8.6	5.4	8.4	5.2
SE	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.8	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.5	4.6	7.7	4.7	8.1	4.9	8.8	5.3	9.3	5.7	9.6	5.8	9.6	5.9	9.5	5.8	9.3	5.7	9.0	5.6	9.0	5.6	8.8	5.5	8.6	5.4	8.4	5.2
S	7.9	4.9	7.8	4.9	7.7	4.8	7.7	4.8	7.7	4.8	7.7	4.8	7.5	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.6	7.9	4.8	8.2	5.1	8.6	5.3	9.0	5.5	9.3	5.7	9.4	5.8	9.4	5.8	9.3	5.7	9.1	5.7	8.8	5.5	8.5	5.3	8.2	5.2
SW	8.0	5.0	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.9	7.8	4.8	7.6	4.6	7.6	4.6	7.5	4.6	7.5	4.6	7.5	4.5	7.7	4.6	8.0	4.9	8.3	5.1	8.6	5.3	8.8	5.4	8.9	5.5	9.2	5.7	9.5	5.8	9.6	5.9	9.6	5.9	9.3	5.8	9.0	5.6	8.5	5.3
W	7.8	4.9	7.7	4.8	7.7	4.8	7.6	4.8	7.6	4.8	7.6	4.7	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.3	4.4	7.5	4.6	7.8	4.8	8.2	5.0	8.4	5.2	8.6	5.3	8.7	5.4	8.8	5.5	9.0	5.6	9.2	5.7	9.4	5.8	9.3	5.7	8.9	5.5	8.4	5.2
NW	7.1	4.6	7.0	4.5	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.7	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.7	4.2	7.1	4.4	7.4	4.7	7.7	4.8	7.9	5.0	8.0	5.0	8.1	5.1	8.1	5.1	8.1	5.1	8.3	5.3	8.3	5.2	8.0	5.1	7.6	4.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	9.4	3.7	9.4	3.7	9.4	3.7	9.4	3.7	9.4	3.7	9.2	3.6	9.2	3.5	9.2	3.5	9.2	3.5	9.2	3.5	9.3	3.6	9.6	3.8	10.0	4.0	10.4	4.2	10.7	4.4	10.9	4.5	11.0	4.6	11.0	4.6	10.8	4.5	10.7	4.5	10.4	4.3	10.1	4.1	9.8	4.0	9.5	3.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:RİZE (41.02)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	5.6	3.7	5.5	3.7	5.5	3.6	5.4	3.5	4.7	2.9	4.7	2.8	4.6	2.7	4.6	2.7	4.5	2.6	5.0	3.0	6.1	3.7	7.1	4.5
NE	6.2	4.0	6.1	4.0	6.1	3.9	6.0	3.8	5.3	3.2	5.2	3.1	5.1	3.0	5.1	3.0	5.1	2.9	5.7	3.4	6.9	4.2	9.0	5.4
E	6.9	4.4	6.8	4.3	6.8	4.3	6.7	4.2	6.0	3.5	5.9	3.5	5.9	3.4	5.9	3.4	5.8	3.3	6.5	3.7	7.7	4.6	10.2	6.0
SE	6.8	4.4	6.8	4.3	6.7	4.3	6.6	4.2	6.0	3.5	5.9	3.4	5.8	3.4	5.8	3.4	5.7	3.3	6.3	3.7	7.5	4.5	9.7	5.8
S	6.7	4.3	6.7	4.2	6.6	4.2	6.5	4.1	5.9	3.4	5.8	3.4	5.7	3.3	5.7	3.3	5.6	3.2	6.1	3.6	7.1	4.3	8.3	5.1
SW	6.8	4.4	6.8	4.3	6.7	4.3	6.6	4.2	6.0	3.5	5.9	3.4	5.8	3.4	5.8	3.4	5.7	3.3	6.2	3.6	7.2	4.3	8.4	5.1
W	6.7	4.3	6.6	4.2	6.6	4.2	6.5	4.1	5.8	3.4	5.8	3.4	5.7	3.3	5.7	3.3	5.6	3.2	6.0	3.5	7.1	4.3	8.2	5.1
NW	6.1	4.0	6.0	3.9	6.0	3.9	5.9	3.8	5.2	3.1	5.1	3.1	5.1	3.0	5.1	3.0	5.0	2.9	5.4	3.2	6.5	4.0	7.6	4.7
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.7	4.4	6.6	4.3	6.6	4.3	6.6	4.3	6.6	4.3	6.6	4.2	6.6	4.2	6.5	4.2	6.5	4.2	6.5	4.2	6.5	4.2	6.5	4.2
NE	7.5	4.7	7.4	4.7	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5
E	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0
SE	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0
S	8.2	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.0	5.0	8.0	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9
SW	8.4	5.2	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	4.9
W	8.2	5.1	8.0	5.0	8.0	5.0	8.0	5.0	8.0	4.9	8.0	4.9	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9
NW	7.4	4.7	7.3	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	6.5	4.3	6.4	4.2	6.4	4.1	6.4	4.1	6.3	4.1	6.3	4.1	6.1	3.9	6.1	3.9	6.1	3.8	6.1	3.8	6.0	3.8	6.2	3.9
NE	7.2	4.6	7.1	4.5	7.1	4.5	7.0	4.5	7.0	4.5	7.0	4.4	6.8	4.2	6.8	4.2	6.8	4.2	6.8	4.2	6.7	4.2	6.9	4.3
E	8.1	5.0	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.7	4.7	7.7	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.8	4.7
SE	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.7	4.7	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.8	4.7
S	7.9	4.9	7.8	4.9	7.8	4.8	7.7	4.8	7.7	4.8	7.7	4.8	7.5	4.6	7.5	4.6	7.5	4.5	7.5	4.5	7.4	4.5	7.6	4.6
SW	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.8	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.7	4.7
W	7.9	4.9	7.7	4.8	7.7	4.8	7.7	4.8	7.7	4.8	7.6	4.8	7.4	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.6
NW	7.1	4.6	7.0	4.5	7.0	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.7	4.2	6.7	4.2	6.7	4.1	6.7	4.1	6.6	4.1	6.8	4.2
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.7	4.4	6.7	4.3	6.6	4.3	6.6	4.3	6.6	4.3	6.6	4.3	6.6	4.3	6.5	4.2	6.5	4.2	6.5	4.2	6.5	4.2	6.5	4.2
NE	7.5	4.7	7.4	4.7	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.3	4.5
E	8.4	5.2	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0
SE	8.4	5.2	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0
S	8.2	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9
SW	8.4	5.2	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0
W	8.2	5.1	8.1	5.0	8.0	5.0	8.0	5.0	8.0	5.0	8.0	5.0	8.0	5.0	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9
NW	7.4	4.7	7.3	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.6	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5
	R2 - 12cm Concrete+2 cm plaster																							
R	4.0	0.9	3.7	0.7	2.3	-0.7	2.2	-0.9	2.1	-1.0	2.1	-1.0	1.9	-1.2	3.2	-0.3	6.5	1.7	11.3	4.6	15.8	7.2	19.1	9.0

Hours 13–24

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	7.9	5.0	8.5	5.4	8.9	5.7	9.2	5.9	9.3	6.0	9.2	6.0	9.0	5.9	8.6	5.7	7.9	5.3	7.2	4.8	6.1	4.1	5.7	3.8
NE	10.0	6.1	10.0	6.1	9.6	6.0	9.8	6.2	9.9	6.3	9.8	6.3	9.6	6.2	9.2	6.0	8.5	5.6	7.7	5.1	6.6	4.4	6.3	4.1
E	11.8	7.0	12.1	7.2	11.8	7.1	11.0	6.8	10.6	6.7	10.5	6.6	10.3	6.6	9.9	6.4	9.2	6.0	8.4	5.4	7.3	4.7	7.0	4.5
SE	11.4	6.8	12.1	7.2	12.3	7.4	12.0	7.3	11.3	7.0	10.5	6.6	10.3	6.6	9.8	6.3	9.2	5.9	8.3	5.4	7.3	4.7	6.9	4.5
S	9.6	5.9	10.7	6.5	11.5	7.0	12.0	7.3	12.0	7.3	11.6	7.2	11.1	7.0	10.1	6.5	9.1	5.9	8.2	5.4	7.2	4.7	6.8	4.4
SW	9.2	5.7	9.7	6.0	10.2	6.3	11.2	6.9	12.0	7.3	12.2	7.5	12.4	7.6	11.5	7.2	10.3	6.5	8.7	5.6	7.3	4.7	6.9	4.5
W	9.0	5.6	9.6	6.0	10.0	6.3	10.3	6.5	10.9	6.8	11.6	7.2	12.2	7.5	11.7	7.2	10.7	6.7	8.8	5.7	7.2	4.7	6.8	4.4
NW	8.4	5.3	9.0	5.6	9.4	6.0	9.7	6.1	9.8	6.3	9.8	6.3	10.3	6.6	10.2	6.5	9.6	6.1	8.1	5.3	6.6	4.4	6.2	4.1
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.5	4.2	6.6	4.3	6.7	4.3	6.8	4.4	6.9	4.4	6.9	4.4	6.9	4.5	7.0	4.5	6.9	4.5	6.9	4.5	6.9	4.4	6.8	4.4
NE	7.3	4.6	7.4	4.6	7.6	4.8	7.7	4.8	7.7	4.8	7.6	4.8	7.7	4.8	7.7	4.8	7.7	4.8	7.6	4.8	7.6	4.8	7.5	4.8
E	8.2	5.0	8.3	5.1	8.5	5.2	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.2
SE	8.2	5.0	8.3	5.1	8.5	5.2	8.7	5.3	8.7	5.3	8.7	5.4	8.7	5.4	8.7	5.3	8.6	5.3	8.6	5.3	8.5	5.3	8.4	5.2
S	8.0	4.9	8.1	5.0	8.2	5.1	8.3	5.1	8.4	5.2	8.5	5.2	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.2	8.4	5.2	8.3	5.1
SW	8.1	5.0	8.2	5.0	8.3	5.1	8.4	5.2	8.5	5.2	8.5	5.2	8.6	5.3	8.7	5.3	8.7	5.3	8.7	5.4	8.6	5.3	8.5	5.3
W	7.9	4.9	8.0	5.0	8.1	5.0	8.2	5.1	8.3	5.1	8.3	5.1	8.3	5.2	8.4	5.2	8.5	5.2	8.5	5.3	8.5	5.2	8.4	5.2
NW	7.2	4.5	7.3	4.6	7.4	4.6	7.4	4.7	7.5	4.7	7.5	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	6.5	4.1	6.8	4.4	7.1	4.5	7.2	4.6	7.4	4.7	7.4	4.8	7.5	4.8	7.5	4.8	7.4	4.8	7.3	4.7	7.1	4.6	6.8	4.5
NE	7.3	4.5	7.9	4.9	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.1	8.2	5.2	8.1	5.2	8.1	5.1	8.0	5.1	7.8	4.9	7.5	4.8
E	8.2	5.0	8.9	5.4	9.4	5.7	9.5	5.8	9.4	5.7	9.2	5.6	9.0	5.6	9.0	5.6	8.9	5.6	8.8	5.5	8.6	5.4	8.4	5.2
SE	8.1	4.9	8.7	5.3	9.3	5.6	9.5	5.8	9.5	5.8	9.4	5.8	9.2	5.7	9.0	5.6	8.9	5.6	8.8	5.5	8.6	5.4	8.4	5.2
S	7.9	4.8	8.2	5.1	8.6	5.3	8.9	5.5	9.2	5.6	9.3	5.7	9.3	5.7	9.2	5.7	9.1	5.6	8.8	5.5	8.5	5.3	8.2	5.1
SW	8.0	4.9	8.3	5.1	8.6	5.3	8.7	5.4	8.9	5.5	9.2	5.7	9.4	5.8	9.5	5.8	9.5	5.9	9.3	5.7	8.9	5.5	8.4	5.3
W	7.8	4.8	8.2	5.0	8.4	5.2	8.6	5.3	8.7	5.4	8.8	5.4	9.0	5.6	9.2	5.7	9.3	5.8	9.2	5.7	8.9	5.5	8.3	5.2
NW	7.1	4.4	7.4	4.7	7.7	4.8	7.8	4.9	8.0	5.0	8.0	5.1	8.1	5.1	8.1	5.1	8.2	5.2	8.2	5.2	8.0	5.1	7.6	4.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.6	4.2	6.7	4.3	6.7	4.3	6.8	4.4	6.8	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.9	4.4	6.8	4.4
NE	7.3	4.6	7.4	4.6	7.6	4.7	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.5	4.8
E	8.2	5.0	8.3	5.1	8.5	5.2	8.6	5.3	8.7	5.3	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.3	8.5	5.3	8.5	5.2	8.4	5.2
SE	8.2	5.0	8.3	5.1	8.5	5.2	8.6	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.3	8.5	5.3	8.5	5.3	8.5	5.2	8.4	5.2
S	8.0	4.9	8.1	5.0	8.2	5.1	8.3	5.1	8.4	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.4	5.2	8.3	5.2	8.3	5.1
SW	8.2	5.0	8.2	5.1	8.3	5.1	8.4	5.2	8.4	5.2	8.5	5.2	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.2
W	8.0	4.9	8.1	5.0	8.1	5.0	8.2	5.1	8.2	5.1	8.3	5.1	8.3	5.1	8.3	5.2	8.4	5.2	8.5	5.2	8.4	5.2	8.3	5.2
NW	7.2	4.5	7.3	4.6	7.4	4.6	7.4	4.7	7.5	4.7	7.5	4.7	7.5	4.7	7.5	4.8	7.5	4.8	7.6	4.8	7.6	4.8	7.5	4.7
	R2 - 12cm Concrete+2 cm plaster																							
R	21.4	10.3	22.6	11.0	22.4	11.0	21.0	10.4	19.7	9.8	16.3	8.1	12.8	6.2	9.0	4.1	5.3	1.9	4.4	1.3	4.2	1.1	4.0	0.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SAKARYA (40.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.8	5.7	7.6	5.4	7.4	5.3	7.2	5.1	7.1	5.0	6.8	4.7	6.8	4.6	6.8	4.6	6.7	4.6	6.7	4.5	6.9	4.7	7.6	5.1	8.5	5.8	9.1	6.3	9.6	6.7	10.1	7.1	10.4	7.4	10.6	7.6	10.7	7.7	10.5	7.5	10.0	7.2	9.6	6.9	9.0	6.5	8.3	6.1
NE	8.6	6.1	8.4	5.8	8.2	5.7	8.0	5.5	7.9	5.4	7.6	5.1	7.6	5.0	7.6	5.0	7.5	5.0	7.5	4.9	7.7	5.1	8.6	5.6	10.4	6.8	11.0	7.3	11.1	7.5	11.0	7.6	11.2	7.8	11.4	8.0	11.5	8.1	11.3	7.9	10.8	7.6	10.3	7.3	9.7	6.9	9.1	6.4
E	9.5	6.5	9.2	6.2	9.0	6.1	8.9	5.9	8.7	5.8	8.5	5.5	8.4	5.5	8.4	5.5	8.4	5.4	8.3	5.4	8.6	5.5	9.5	6.1	11.6	7.4	12.6	8.0	12.8	8.3	12.8	8.5	12.4	8.4	12.3	8.4	12.3	8.5	12.1	8.3	11.7	8.1	11.1	7.7	10.6	7.3	9.9	6.8
SE	9.5	6.5	9.2	6.2	9.0	6.1	8.9	5.9	8.7	5.8	8.5	5.5	8.4	5.5	8.4	5.5	8.3	5.4	8.3	5.3	8.5	5.5	9.4	6.0	11.1	7.1	12.2	7.8	12.7	8.3	13.1	8.6	13.0	8.7	12.7	8.6	12.3	8.5	12.1	8.3	11.7	8.1	11.1	7.7	10.6	7.3	9.9	6.8
S	8.9	6.2	8.7	6.0	8.5	5.8	8.4	5.7	8.2	5.5	8.0	5.3	7.9	5.2	7.9	5.2	7.8	5.1	7.8	5.1	8.0	5.2	8.7	5.7	9.5	6.3	10.4	7.0	11.3	7.6	12.1	8.1	12.5	8.4	12.7	8.6	12.5	8.6	12.0	8.3	11.3	7.9	10.6	7.4	10.1	7.0	9.4	6.6
SW	9.2	6.3	8.9	6.1	8.7	5.9	8.6	5.8	8.4	5.6	8.2	5.4	8.1	5.3	8.1	5.3	8.0	5.2	8.0	5.2	8.2	5.3	8.9	5.8	9.7	6.4	10.4	7.0	11.0	7.4	11.4	7.8	12.2	8.3	12.8	8.7	13.1	8.9	12.9	8.8	12.3	8.4	11.5	7.9	10.5	7.3	9.7	6.7
W	9.1	6.3	8.8	6.1	8.7	5.9	8.5	5.7	8.4	5.6	8.1	5.3	8.0	5.3	8.0	5.3	8.0	5.2	7.9	5.2	8.1	5.3	8.8	5.7	9.7	6.4	10.3	6.9	10.9	7.4	11.4	7.7	11.7	8.0	12.2	8.4	12.8	8.7	12.9	8.8	12.5	8.5	11.8	8.0	10.7	7.4	9.7	6.7
NW	8.4	6.0	8.2	5.7	8.0	5.6	7.8	5.4	7.7	5.3	7.4	5.0	7.4	4.9	7.4	4.9	7.3	4.9	7.3	4.8	7.5	5.0	8.2	5.4	9.0	6.1	9.7	6.6	10.3	7.0	10.7	7.4	11.0	7.7	11.2	7.9	11.4	8.0	11.6	8.1	11.4	7.9	10.9	7.5	10.0	7.0	9.0	6.4
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.4	6.0	8.2	5.9	8.1	5.8	8.1	5.7	8.0	5.7	8.0	5.6	7.9	5.5	7.9	5.5	7.9	5.5	7.9	5.5	7.9	5.5	7.9	5.5	8.2	5.7	8.4	5.9	8.6	6.0	8.8	6.2	9.0	6.3	9.1	6.4	9.1	6.5	9.1	6.5	9.1	6.4	8.9	6.3	8.8	6.2	8.6	6.1
NE	9.2	6.4	9.1	6.3	9.0	6.2	9.0	6.2	8.9	6.1	8.9	6.1	8.8	6.0	8.8	6.0	8.8	6.0	8.8	5.9	8.7	5.9	8.8	6.0	9.1	6.2	9.7	6.5	9.9	6.7	9.9	6.7	9.9	6.8	9.9	6.8	10.0	6.9	10.0	6.9	10.0	6.9	9.8	6.8	9.7	6.7	9.5	6.6
E	10.2	6.9	10.0	6.8	10.0	6.7	9.9	6.6	9.8	6.6	9.8	6.5	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.8	6.4	10.1	6.6	10.7	7.0	11.0	7.2	11.1	7.3	11.1	7.4	11.0	7.4	10.9	7.4	10.9	7.4	10.9	7.3	10.8	7.3	10.6	7.1	10.4	7.0
SE	10.2	6.9	10.0	6.8	10.0	6.7	9.9	6.6	9.8	6.6	9.8	6.5	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	10.0	6.6	10.6	7.0	10.9	7.2	11.1	7.3	11.2	7.4	11.2	7.4	11.1	7.4	10.9	7.4	10.9	7.3	10.7	7.3	10.6	7.1	10.4	7.0
S	9.6	6.6	9.5	6.5	9.4	6.4	9.3	6.3	9.3	6.3	9.2	6.2	9.2	6.2	9.1	6.1	9.1	6.1	9.1	6.1	9.1	6.1	9.2	6.1	9.4	6.3	9.7	6.5	9.9	6.7	10.2	6.9	10.5	7.1	10.6	7.2	10.7	7.2	10.6	7.2	10.5	7.1	10.2	7.0	10.0	6.9	9.8	6.7
SW	9.9	6.7	9.7	6.6	9.6	6.5	9.6	6.5	9.5	6.4	9.5	6.4	9.4	6.3	9.4	6.3	9.4	6.2	9.3	6.2	9.3	6.2	9.4	6.3	9.6	6.4	9.9	6.6	10.1	6.8	10.3	6.9	10.4	7.0	10.7	7.2	10.9	7.3	11.0	7.4	10.9	7.4	10.7	7.2	10.5	7.1	10.1	6.9
W	9.8	6.7	9.6	6.5	9.5	6.5	9.5	6.4	9.4	6.4	9.4	6.3	9.3	6.2	9.3	6.2	9.3	6.2	9.3	6.2	9.3	6.2	9.3	6.2	9.5	6.4	9.8	6.6	10.0	6.7	10.2	6.9	10.4	7.0	10.5	7.1	10.6	7.2	10.8	7.3	10.9	7.3	10.7	7.2	10.5	7.1	10.1	6.9
NW	9.1	6.3	8.9	6.2	8.8	6.1	8.8	6.1	8.7	6.0	8.7	6.0	8.6	5.9	8.6	5.8	8.6	5.8	8.5	5.8	8.5	5.8	8.6	5.9	8.8	6.0	9.1	6.2	9.3	6.4	9.5	6.5	9.6	6.6	9.7	6.7	9.8	6.8	9.8	6.8	9.9	6.9	9.8	6.8	9.7	6.7	9.4	6.5
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.4	6.0	8.2	5.8	8.0	5.7	8.0	5.6	7.9	5.6	7.8	5.5	7.7	5.4	7.7	5.4	7.7	5.4	7.7	5.3	7.7	5.3	7.8	5.4	8.1	5.6	8.4	5.9	8.7	6.1	8.9	6.3	9.1	6.4	9.3	6.6	9.4	6.7	9.4	6.7	9.3	6.6	9.1	6.5	8.9	6.3	8.7	6.2
NE	9.2	6.4	9.0	6.3	8.9	6.1	8.8	6.1	8.8	6.0	8.7	5.9	8.6	5.8	8.6	5.8	8.6	5.8	8.5	5.8	8.5	5.8	8.6	5.8	9.0	6.1	9.8	6.6	10.1	6.8	10.1	6.9	10.1	6.9	10.2	7.0	10.3	7.1	10.3	7.1	10.2	7.1	10.0	6.9	9.8	6.8	9.5	6.6
E	10.1	6.9	9.9	6.7	9.8	6.6	9.8	6.5	9.7	6.5	9.6	6.4	9.5	6.3	9.5	6.3	9.5	6.3	9.5	6.2	9.4	6.2	9.6	6.3	10.0	6.5	10.9	7.1	11.3	7.4	11.4	7.5	11.4	7.6	11.2	7.5	11.2	7.5	11.2	7.6	11.1	7.5	10.9	7.4	10.7	7.2	10.4	7.1
SE	10.1	6.9	9.9	6.7	9.8	6.6	9.8	6.5	9.7	6.5	9.6	6.4	9.5	6.3	9.5	6.3	9.5	6.3	9.5	6.2	9.4	6.2	9.5	6.3	9.9	6.5	10.7	7.0	11.1	7.3	11.4	7.5	11.5	7.6	11.5	7.7	11.3	7.6	11.2	7.6	11.1	7.5	10.9	7.4	10.7	7.2	10.4	7.1
S	9.6	6.6	9.4	6.4	9.3	6.3	9.2	6.3	9.1	6.2	9.1	6.1	9.0	6.0	8.9	6.0	8.9	6.0	8.9	6.0	8.9	5.9	9.0	6.0	9.3	6.2	9.6	6.5	10.0	6.8	10.4	7.0	10.7	7.2	10.9	7.4	11.0	7.5	10.9	7.4	10.7	7.3	10.4	7.1	10.1	6.9	9.9	6.8
SW	9.8	6.7	9.6	6.5	9.5	6.4	9.4	6.4	9.3	6.3	9.3	6.2	9.2	6.1	9.1	6.1	9.1	6.1	9.1	6.1	9.1	6.0	9.2	6.1	9.5	6.3	9.9	6.6	10.2	6.8	10.4	7.0	10.6	7.2	10.9	7.4	11.2	7.6	11.3	7.7	11.3	7.6	11.0	7.4	10.6	7.2	10.2	7.0
W	9.8	6.7	9.5	6.5	9.4	6.4	9.4	6.3	9.3	6.3	9.2	6.2	9.1	6.1	9.1	6.1	9.1	6.1	9.1	6.0	9.0	6.0	9.1	6.1	9.4	6.3	9.8	6.5	10.1	6.8	10.3	7.0	10.5	7.1	10.7	7.3	10.9	7.4	11.2	7.6	11.2	7.6	11.0	7.5	10.7	7.2	10.2	7.0
NW	9.1	6.3	8.8	6.2	8.7	6.0	8.6	6.0	8.6	5.9	8.5	5.8	8.4	5.7	8.4	5.7	8.4	5.7	8.3	5.7	8.3	5.7	8.4	5.7	8.7	5.9	9.1	6.2	9.4	6.4	9.6	6.6	9.8	6.8	9.9	6.9	10.0	7.0	10.1	7.0	10.2	7.1	10.1	7.0	9.9	6.8	9.5	6.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.4	6.0	8.1	5.8	8.0	5.7	7.9	5.6	7.8	5.5	7.7	5.4	7.6	5.3	7.6	5.3	7.6	5.3	7.5	5.2	7.5	5.2	7.6	5.3	8.0	5.5	8.5	5.9	8.8	6.1	9.1	6.4	9.3	6.5	9.5	6.7	9.6	6.8	9.6	6.8	9.5	6.8	9.3	6.6	9.0	6.4	8.7	6.2
NE	9.2	6.4	9.0	6.2	8.8	6.1	8.8	6.0	8.7	5.9	8.6	5.9	8.5	5.7	8.4	5.7	8.4	5.7	8.4	5.7	8.4	5.6	8.5	5.7	9.0	6.0	9.9	6.6	10.2	6.8	10.3	7.0	10.2	7.0	10.3	7.1	10.4	7.2	10.4	7.3	10.3	7.2	10.1	7.0	9.8	6.8	9.5	6.6
E	10.1	6.9	9.9	6.7	9.7	6.5	9.6	6.5	9.6	6.4	9.5	6.3	9.4	6.2	9.3	6.1	9.3	6.1	9.3	6.1	9.3	6.1	9.4	6.2	9.9	6.5	11.0	7.1	11.5	7.5	11.6	7.6	11.6	7.7	11.4	7.7	11.3	7.7	11.3	7.7	11.2	7.6	11.0	7.5	10.7	7.3	10.4	7.1
SE	10.1	6.9	9.9	6.7	9.7	6.5	9.6	6.5	9.6	6.4	9.5	6.3	9.3	6.2	9.3	6.1	9.3	6.1	9.3	6.1	9.3	6.1	9.4	6.2	9.8	6.4	10.7	7.0	11.3	7.4	11.6	7.6	11.7	7.8	11.7	7.8	11.5	7.8	11.3	7.7	11.2	7.6	11.0	7.5	10.7	7.3	10.4	7.1
S	9.5	6.6	9.3	6.4	9.2	6.3	9.1	6.2	9.0	6.1	8.9	6.0	8.8	5.9	8.8	5.9	8.8	5.9	8.7	5.8	8.7	5.8	8.8	5.9	9.2	6.1	9.6	6.5	10.1	6.8	10.6	7.1	10.9	7.4	11.2	7.5	11.3	7.6	11.2	7.6	10.9	7.5	10.6	7.3	10.2	7.0	9.9	6.8
SW	9.8	6.7	9.5	6.5	9.4	6.4	9.3	6.3	9.2	6.2	9.2	6.1	9.0	6.0	9.0	6.0	9.0	6.0	9.0	5.9	8.9	5.9	9.0	6.0	9.4	6.2	9.8	6.6	10.2	6.8	10.5	7.1	10.7	7.3	11.1	7.5	11.5	7.7	11.6	7.8	11.5	7.8	11.2	7.6	10.8	7.3	10.3	7.0
W	9.8	6.7	9.5	6.5	9.3	6.3	9.2	6.3	9.2	6.2	9.1	6.1	9.0	6.0	8.9	5.9	8.9	5.9	8.9	5.9	8.9	5.9	9.0	5.9	9.3	6.2	9.8	6.5	10.1	6.8	10.4	7.0	10.7	7.2	10.8	7.4	11.1	7.6	11.4	7.7	11.5	7.8	11.3	7.6	10.9	7.4	10.3	7.0
NW	9.1	6.3	8.8	6.1	8.6	6.0	8.5	5.9	8.4	5.8	8.4	5.8	8.2	5.6	8.2	5.6	8.2	5.6	8.2	5.6	8.2	5.5	8.3	5.6	8.6	5.8	9.1	6.2	9.4	6.4	9.7	6.7	9.9	6.9	10.1	7.0	10.2	7.1	10.3	7.2	10.4	7.2	10.3	7.1	10.0	6.9	9.6	6.7
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	11.8	5.7	11.7	5.6	11.6	5.5	11.6	5.5	11.6	5.5	11.5	5.4	11.5	5.4	11.5	5.4	11.4	5.3	11.4	5.3	11.5	5.4	11.8	5.6	12.4	5.9	12.8	6.2	13.1	6.4	13.4	6.6	13.5	6.7	13.6	6.7	13.5	6.7	13.3	6.6	12.9	6.4	12.6	6.2	12.3	6.0	11.9	5.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SAKARYA (40.46)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.0	5.1	6.8	4.9	6.5	4.6	6.3	4.4	5.8	3.9	5.7	3.8	5.7	3.8	5.6	3.7	5.6	3.6	5.9	3.9	7.1	4.6	8.5	5.7	9.5	6.5	10.4	7.3	11.2	7.9	11.7	8.3	12.1	8.7	12.1	8.8	11.8	8.6	11.1	8.1	10.3	7.5	9.4	6.9	8.3	6.1	7.4	5.5
NE	7.7	5.5	7.5	5.2	7.2	4.9	7.0	4.7	6.5	4.3	6.4	4.2	6.4	4.2	6.3	4.1	6.3	4.0	6.7	4.3	8.2	5.2	11.1	7.0	12.1	7.8	12.3	8.2	12.1	8.4	12.4	8.7	12.8	9.0	12.8	9.1	12.5	8.9	11.8	8.4	10.9	7.8	10.0	7.2	8.9	6.4	8.2	5.9
E	8.5	5.8	8.2	5.6	7.9	5.3	7.7	5.1	7.3	4.7	7.2	4.5	7.2	4.5	7.1	4.5	7.0	4.4	7.5	4.6	9.0	5.6	12.5	7.7	14.0	8.8	14.4	9.2	14.4	9.5	13.7	9.3	13.5	9.4	13.6	9.5	13.2	9.3	12.6	8.8	11.7	8.2	10.7	7.6	9.6	6.8	8.9	6.3
SE	8.5	5.8	8.2	5.6	7.9	5.3	7.7	5.1	7.3	4.6	7.2	4.5	7.2	4.5	7.1	4.4	7.0	4.4	7.4	4.6	8.8	5.5	11.6	7.3	13.4	8.5	14.3	9.2	14.8	9.7	14.7	9.8	14.2	9.7	13.6	9.5	13.2	9.3	12.5	8.8	11.7	8.2	10.7	7.6	9.6	6.8	8.9	6.3
S	8.0	5.6	7.8	5.4	7.5	5.1	7.3	4.9	6.8	4.4	6.7	4.3	6.7	4.3	6.6	4.2	6.6	4.1	6.9	4.4	8.0	5.1	9.4	6.2	10.9	7.2	12.3	8.2	13.6	9.1	14.3	9.6	14.6	9.9	14.3	9.9	13.5	9.4	12.3	8.7	11.2	8.0	10.3	7.3	9.2	6.6	8.5	6.0
SW	8.2	5.7	8.0	5.5	7.7	5.2	7.5	5.0	7.0	4.5	6.9	4.4	6.9	4.4	6.8	4.3	6.8	4.2	7.1	4.4	8.2	5.2	9.6	6.3	10.7	7.1	11.6	7.9	12.4	8.5	13.6	9.3	14.7	10.0	15.2	10.3	14.9	10.1	13.9	9.5	12.5	8.6	10.9	7.7	9.5	6.7	8.6	6.1
W	8.2	5.7	7.9	5.4	7.6	5.1	7.4	4.9	7.0	4.5	6.9	4.4	6.8	4.4	6.8	4.3	6.7	4.2	7.0	4.4	8.1	5.2	9.5	6.2	10.6	7.1	11.6	7.8	12.3	8.4	12.8	8.9	13.8	9.5	14.7	10.1	14.9	10.1	14.2	9.6	13.0	8.9	11.2	7.8	9.6	6.8	8.6	6.1
NW	7.6	5.4	7.3	5.1	7.0	4.8	6.8	4.6	6.4	4.2	6.3	4.1	6.3	4.1	6.2	4.0	6.1	3.9	6.4	4.1	7.5	4.9	9.0	5.9	10.1	6.8	11.0	7.5	11.7	8.2	12.2	8.6	12.6	9.0	12.9	9.1	13.2	9.3	12.9	9.0	12.0	8.4	10.5	7.5	9.0	6.5	8.0	5.8
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.5	6.0	8.4	5.9	8.3	5.9	8.3	5.9	8.3	5.8	8.2	5.8	8.2	5.8	8.2	5.7	8.2	5.7	8.2	5.7	8.1	5.7	8.1	5.7	8.2	5.7	8.3	5.8	8.4	5.9	8.5	6.0	8.6	6.1	8.7	6.1	8.7	6.2	8.8	6.2	8.8	6.2	8.7	6.2	8.7	6.1	8.6	6.1
NE	9.4	6.5	9.3	6.4	9.2	6.3	9.2	6.3	9.2	6.3	9.1	6.3	9.1	6.2	9.1	6.2	9.1	6.2	9.1	6.2	9.1	6.2	9.0	6.2	9.1	6.2	9.2	6.3	9.5	6.4	9.6	6.5	9.6	6.6	9.6	6.6	9.6	6.6	9.7	6.6	9.7	6.7	9.6	6.6	9.6	6.6	9.5	6.5
E	10.4	6.9	10.2	6.9	10.2	6.8	10.1	6.8	10.1	6.8	10.1	6.7	10.1	6.7	10.0	6.7	10.0	6.7	10.0	6.7	10.0	6.6	10.0	6.6	10.0	6.7	10.2	6.8	10.5	7.0	10.7	7.1	10.7	7.1	10.7	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.5	7.1	10.4	7.0
SE	10.4	6.9	10.2	6.9	10.2	6.8	10.1	6.8	10.1	6.8	10.1	6.7	10.1	6.7	10.0	6.7	10.0	6.7	10.0	6.7	10.0	6.6	10.0	6.6	10.0	6.7	10.2	6.7	10.4	6.9	10.6	7.0	10.7	7.1	10.7	7.1	10.7	7.2	10.7	7.1	10.6	7.1	10.6	7.1	10.5	7.1	10.4	7.0
S	9.8	6.7	9.7	6.6	9.6	6.5	9.6	6.5	9.5	6.5	9.5	6.4	9.5	6.4	9.4	6.4	9.4	6.4	9.4	6.4	9.4	6.4	9.4	6.3	9.4	6.4	9.6	6.4	9.7	6.5	9.8	6.6	10.0	6.7	10.1	6.8	10.2	6.9	10.2	6.9	10.2	6.9	10.1	6.9	10.0	6.8	9.9	6.7
SW	10.1	6.8	9.9	6.7	9.8	6.6	9.8	6.6	9.8	6.6	9.7	6.6	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.6	6.5	9.7	6.5	9.8	6.6	9.9	6.7	10.0	6.7	10.1	6.8	10.2	6.9	10.3	6.9	10.4	7.0	10.5	7.0	10.4	7.0	10.3	7.0	10.2	6.9
W	10.0	6.8	9.8	6.7	9.8	6.6	9.7	6.6	9.7	6.5	9.7	6.5	9.6	6.5	9.6	6.5	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.7	6.5	9.8	6.6	9.9	6.7	10.0	6.8	10.1	6.8	10.2	6.9	10.3	6.9	10.3	7.0	10.4	7.0	10.3	6.9	10.2	6.9
NW	9.2	6.4	9.1	6.3	9.0	6.2	9.0	6.2	8.9	6.2	8.9	6.1	8.9	6.1	8.9	6.1	8.8	6.1	8.8	6.1	8.8	6.1	8.8	6.1	8.9	6.1	9.0	6.1	9.1	6.2	9.2	6.3	9.3	6.4	9.4	6.5	9.4	6.5	9.4	6.5	9.5	6.6	9.5	6.6	9.5	6.5	9.4	6.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																																
N	8.4	6.0	8.1	5.8	8.0	5.7	7.9	5.6	7.8	5.5	7.8	5.5	7.7	5.3	7.6	5.3	7.6	5.3	7.6	5.3	7.6	5.3	7.7	5.3	8.0	5.5	8.5	5.9	8.7	6.1	9.0	6.3	9.2	6.5	9.4	6.6	9.5	6.7	9.5	6.8	9.4	6.7	9.2	6.6	9.0	6.4	8.7	6.2
NE	9.2	6.4	9.0	6.2	8.9	6.1	8.8	6.0	8.7	6.0	8.6	5.9	8.5	5.8	8.5	5.7	8.5	5.7	8.5	5.7	8.4	5.7	8.6	5.8	9.0	6.0	9.8	6.6	10.2	6.8	10.2	6.9	10.2	7.0	10.3	7.1	10.4	7.2	10.4	7.2	10.3	7.1	10.1	7.0	9.8	6.8	9.5	6.6
E	10.1	6.9	9.9	6.7	9.8	6.6	9.7	6.5	9.6	6.4	9.5	6.3	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.3	6.1	9.5	6.2	9.9	6.5	11.0	7.1	11.4	7.4	11.5	7.6	11.5	7.6	11.3	7.6	11.3	7.6	11.3	7.7	11.2	7.6	11.0	7.4	10.7	7.3	10.4	7.1
SE	10.1	6.9	9.9	6.7	9.8	6.6	9.7	6.5	9.6	6.4	9.5	6.3	9.4	6.2	9.4	6.2	9.4	6.2	9.4	6.2	9.3	6.1	9.4	6.2	9.8	6.5	10.7	7.0	11.2	7.3	11.5	7.6	11.6	7.7	11.6	7.7	11.5	7.7	11.3	7.7	11.2	7.6	11.0	7.4	10.7	7.3	10.4	7.1
S	9.6	6.6	9.3	6.4	9.2	6.3	9.1	6.2	9.1	6.1	9.0	6.1	8.9	5.9	8.8	5.9	8.8	5.9	8.8	5.9	8.8	5.9	8.9	5.9	9.2	6.1	9.6	6.5	10.1	6.8	10.5	7.1	10.9	7.3	11.1	7.5	11.1	7.6	11.1	7.5	10.8	7.4	10.5	7.2	10.2	7.0	9.9	6.8
SW	9.8	6.7	9.6	6.5	9.4	6.4	9.4	6.3	9.3	6.2	9.2	6.2	9.1	6.1	9.1	6.0	9.1	6.0	9.0	6.0	9.0	6.0	9.1	6.0	9.4	6.3	9.8	6.6	10.2	6.8	10.5	7.0	10.7	7.2	11.0	7.5	11.4	7.7	11.5	7.8	11.4	7.7	11.1	7.5	10.7	7.3	10.2	7.0
W	9.8	6.7	9.5	6.5	9.4	6.4	9.3	6.3	9.2	6.2	9.1	6.1	9.0	6.0	9.0	6.0	9.0	6.0	9.0	6.0	8.9	5.9	9.0	6.0	9.4	6.2	9.8	6.5	10.1	6.8	10.4	7.0	10.6	7.2	10.8	7.3	11.0	7.5	11.3	7.7	11.4	7.7	11.2	7.5	10.8	7.3	10.3	7.0
NW	9.1	6.3	8.8	6.1	8.7	6.0	8.6	5.9	8.5	5.9	8.4	5.8	8.3	5.7	8.3	5.6	8.3	5.6	8.2	5.6	8.2	5.6	8.3	5.6	8.7	5.9	9.1	6.2	9.4	6.4	9.7	6.6	9.9	6.8	10.0	7.0	10.2	7.1	10.2	7.1	10.3	7.2	10.2	7.1	10.0	6.9	9.5	6.6
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.5	6.0	8.4	5.9	8.3	5.9	8.3	5.9	8.3	5.8	8.3	5.8	8.2	5.8	8.2	5.8	8.2	5.8	8.2	5.8	8.2	5.8	8.2	5.7	8.2	5.8	8.3	5.8	8.4	5.9	8.5	6.0	8.6	6.0	8.6	6.1	8.7	6.1	8.7	6.1	8.7	6.2	8.7	6.1	8.6	6.1	8.6	6.1
NE	9.4	6.5	9.3	6.4	9.2	6.4	9.2	6.3	9.2	6.3	9.2	6.3	9.2	6.3	9.1	6.2	9.1	6.2	9.1	6.2	9.1	6.2	9.1	6.2	9.1	6.2	9.2	6.3	9.5	6.4	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.6	9.6	6.6	9.6	6.6	9.6	6.6	9.5	6.6	9.5	6.5
E	10.3	6.9	10.3	6.9	10.2	6.8	10.2	6.8	10.1	6.8	10.1	6.8	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.2	6.8	10.5	6.9	10.6	7.0	10.6	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.6	7.1	10.5	7.1	10.5	7.0	10.4	7.0
SE	10.3	6.9	10.3	6.9	10.2	6.8	10.2	6.8	10.1	6.8	10.1	6.8	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.1	6.7	10.2	6.8	10.4	6.9	10.6	7.0	10.6	7.1	10.7	7.1	10.7	7.1	10.6	7.1	10.6	7.1	10.5	7.1	10.5	7.0	10.4	7.0
S	9.8	6.6	9.7	6.6	9.6	6.5	9.6	6.5	9.6	6.5	9.5	6.5	9.5	6.4	9.5	6.4	9.5	6.4	9.5	6.4	9.5	6.4	9.5	6.4	9.5	6.4	9.6	6.5	9.7	6.5	9.8	6.6	9.9	6.7	10.0	6.8	10.1	6.8	10.1	6.8	10.1	6.8	10.0	6.8	9.9	6.7	9.8	6.7
SW	10.0	6.8	9.9	6.7	9.9	6.7	9.8	6.6	9.8	6.6	9.8	6.6	9.8	6.6	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.7	6.5	9.8	6.6	9.9	6.7	10.0	6.7	10.1	6.8	10.1	6.8	10.2	6.9	10.3	7.0	10.4	7.0	10.3	7.0	10.3	6.9	10.2	6.9
W	10.0	6.7	9.9	6.7	9.8	6.6	9.7	6.6	9.7	6.6	9.7	6.5	9.7	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.6	6.5	9.7	6.5	9.7	6.5	9.9	6.6	9.9	6.7	10.0	6.8	10.1	6.8	10.1	6.8	10.2	6.9	10.3	6.9	10.3	6.9	10.2	6.9	10.1	6.8
NW	9.2	6.4	9.1	6.3	9.0	6.2	9.0	6.2	9.0	6.2	9.0	6.2	8.9	6.2	8.9	6.1	8.9	6.1	8.9	6.1	8.9	6.1	8.9	6.1	8.9	6.1	9.0	6.2	9.1	6.3	9.2	6.3	9.3	6.4	9.3	6.4	9.4	6.5	9.4	6.5	9.4	6.5	9.4	6.5	9.4	6.5	9.3	6.4
	R2 - 12cm Concrete+2 cm plaster																																															
R	4.5	1.2	4.1	0.8	3.2	-0.2	2.9	-0.4	2.9	-0.4	2.7	-0.6	2.6	-0.7	3.6	-0.1	7.3	2.1	13.5	6.0	18.5	9.2	22.4	11.6	25.7	13.8	27.2	15.0	27.7	15.5	26.5	15.1	23.9	13.7	20.3	11.6	16.3	9.3	12.3	6.9	8.6	4.6	6.5	3.2	5.6	2.3	5.1	1.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SAMSUN (41.17)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																							
	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	5.9	3.7	5.7	3.6	5.7	3.5	5.6	3.5	5.5	3.4	5.5	3.4	5.5	3.4	5.6	3.4	5.5	3.4	5.6	3.5	5.9	3.6	6.7	4.1
NE	6.9	4.2	6.7	4.1	6.7	4.0	6.6	4.0	6.5	3.9	6.5	3.9	6.5	3.9	6.6	3.9	6.6	3.9	6.6	4.0	7.0	4.1	8.3	4.9
E	8.0	4.8	7.8	4.6	7.7	4.5	7.7	4.5	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.7	4.5	8.0	4.7	9.5	5.5
SE	8.0	4.8	7.8	4.6	7.7	4.5	7.7	4.5	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.7	4.5	7.9	4.6	9.1	5.3
S	7.3	4.4	7.1	4.2	7.0	4.2	7.0	4.1	6.9	4.1	6.9	4.1	6.9	4.0	6.9	4.1	6.9	4.1	7.0	4.1	7.2	4.2	7.8	4.7
SW	7.5	4.5	7.3	4.4	7.3	4.3	7.2	4.3	7.2	4.2	7.2	4.2	7.1	4.2	7.2	4.2	7.2	4.2	7.2	4.3	7.4	4.4	8.1	4.8
W	7.4	4.5	7.3	4.4	7.2	4.3	7.2	4.3	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.2	7.2	4.2	7.4	4.3	8.1	4.8
NW	6.6	4.1	6.5	3.9	6.4	3.9	6.4	3.8	6.3	3.8	6.3	3.8	6.3	3.7	6.3	3.8	6.3	3.8	6.4	3.8	6.5	3.9	7.2	4.4
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																							
N	6.5	4.1	6.4	4.0	6.3	3.9	6.3	3.9	6.3	3.9	6.3	3.9	6.3	3.9	6.3	3.9	6.3	3.9	6.3	3.9	6.3	3.9	6.4	3.9
NE	7.6	4.6	7.5	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.4	7.4	4.4	7.4	4.4	7.4	4.4	7.4	4.4	7.4	4.5	7.5	4.5
E	8.7	5.2	8.7	5.1	8.6	5.1	8.6	5.1	8.6	5.0	8.5	5.0	8.5	5.0	8.5	5.0	8.6	5.0	8.5	5.0	8.6	5.0	8.7	5.1
SE	8.7	5.2	8.7	5.1	8.6	5.1	8.6	5.1	8.6	5.0	8.5	5.0	8.5	5.0	8.5	5.0	8.6	5.0	8.5	5.0	8.6	5.0	8.7	5.1
S	8.0	4.8	7.9	4.7	7.8	4.7	7.8	4.7	7.8	4.7	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.7	7.9	4.7
SW	8.3	5.0	8.2	4.9	8.1	4.8	8.1	4.8	8.1	4.8	8.1	4.8	8.1	4.8	8.1	4.8	8.1	4.8	8.1	4.8	8.1	4.8	8.2	4.8
W	8.3	5.0	8.1	4.9	8.1	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.7	8.0	4.8	8.0	4.8	8.0	4.8	8.1	4.8
NW	7.4	4.5	7.2	4.4	7.1	4.4	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.2	4.3
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																							
N	6.5	4.0	6.3	3.9	6.2	3.9	6.2	3.9	6.2	3.8	6.1	3.8	6.1	3.8	6.1	3.8	6.2	3.8	6.1	3.8	6.2	3.8	6.3	3.9
NE	7.5	4.6	7.4	4.5	7.3	4.4	7.3	4.4	7.3	4.4	7.2	4.3	7.2	4.4	7.2	4.3	7.2	4.4	7.2	4.4	7.3	4.4	7.4	4.5
E	8.7	5.1	8.6	5.1	8.5	5.0	8.4	5.0	8.4	5.0	8.4	4.9	8.4	4.9	8.4	4.9	8.4	4.9	8.4	4.9	8.4	4.9	8.6	5.0
SE	8.7	5.1	8.6	5.1	8.5	5.0	8.4	5.0	8.4	5.0	8.4	4.9	8.4	4.9	8.4	4.9	8.4	4.9	8.4	4.9	8.4	4.9	8.5	5.0
S	7.9	4.8	7.8	4.7	7.7	4.6	7.7	4.6	7.7	4.6	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.6	7.6	4.5	7.7	4.6	7.7	4.6
SW	8.3	4.9	8.1	4.8	8.0	4.8	8.0	4.7	8.0	4.7	7.9	4.7	7.9	4.7	7.9	4.7	7.9	4.7	7.9	4.7	8.0	4.7	8.0	4.8
W	8.3	4.9	8.0	4.8	7.9	4.7	7.9	4.7	7.9	4.7	7.9	4.7	7.9	4.7	7.8	4.6	7.9	4.7	7.9	4.7	7.9	4.7	8.0	4.7
NW	7.4	4.5	7.1	4.3	7.0	4.3	7.0	4.3	7.0	4.2	7.0	4.2	7.0	4.2	6.9	4.2	7.0	4.2	7.0	4.2	7.0	4.2	7.1	4.3
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																							
N	6.4	4.0	6.2	3.9	6.1	3.8	6.1	3.8	6.1	3.8	6.1	3.7	6.1	3.7	6.0	3.7	6.1	3.7	6.1	3.7	6.1	3.8	6.2	3.8
NE	7.5	4.5	7.3	4.4	7.2	4.4	7.2	4.3	7.2	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.2	4.3	7.4	4.4
E	8.6	5.1	8.5	5.0	8.4	4.9	8.3	4.9	8.3	4.9	8.3	4.8	8.3	4.8	8.3	4.8	8.3	4.9	8.3	4.8	8.3	4.9	8.5	5.0
SE	8.6	5.1	8.5	5.0	8.4	4.9	8.3	4.9	8.3	4.9	8.3	4.8	8.3	4.8	8.3	4.8	8.3	4.9	8.3	4.8	8.3	4.9	8.4	4.9
S	7.8	4.7	7.7	4.6	7.6	4.6	7.6	4.5	7.6	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.6	4.5	7.7	4.6
SW	8.2	4.9	8.0	4.8	7.9	4.7	7.9	4.7	7.8	4.7	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.9	4.7
W	8.2	4.9	7.9	4.7	7.8	4.7	7.8	4.6	7.8	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.8	4.6	7.7	4.6	7.8	4.6	7.9	4.7
NW	7.3	4.5	7.0	4.3	6.9	4.2	6.9	4.2	6.9	4.2	6.9	4.1	6.9	4.1	6.8	4.1	6.9	4.1	6.9	4.1	6.9	4.2	7.0	4.2
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																							
R	10.5	4.1	10.5	4.1	10.4	4.0	10.4	4.0	10.4	4.0	10.4	4.0	10.4	4.0	10.4	4.0	10.4	4.0	10.4	4.0	10.5	4.1	10.9	4.3

	Hours																							
	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	7.1	4.4	7.5	4.7	7.8	4.9	8.0	5.0	8.1	5.1	8.0	5.0	7.9	4.9	7.8	4.9	7.5	4.7	7.1	4.5	6.9	4.3	6.3	3.9
NE	9.5	5.7	9.7	5.8	9.6	5.8	9.1	5.6	9.1	5.6	9.0	5.5	8.9	5.4	8.8	5.4	8.5	5.2	8.1	5.0	7.7	4.7	7.2	4.4
E	11.1	6.5	11.6	6.7	11.7	6.9	11.2	6.6	10.5	6.3	10.1	6.0	9.9	6.0	9.8	5.9	9.6	5.8	9.2	5.5	8.7	5.2	8.2	4.9
SE	10.5	6.1	11.2	6.6	11.7	6.9	11.6	6.8	11.2	6.6	10.6	6.3	9.9	6.0	9.8	5.9	9.6	5.8	9.2	5.5	8.7	5.2	8.2	4.9
S	8.4	5.1	9.2	5.6	9.9	6.0	10.3	6.2	10.6	6.3	10.4	6.2	10.3	6.1	9.7	5.8	9.1	5.5	8.5	5.2	8.1	4.9	7.5	4.6
SW	8.7	5.2	9.1	5.5	9.4	5.7	9.6	5.8	10.2	6.1	10.6	6.3	11.1	6.5	10.8	6.4	10.3	6.1	9.5	5.7	9.0	5.4	7.9	4.8
W	8.6	5.2	9.1	5.5	9.3	5.7	9.5	5.8	9.6	5.9	10.0	6.0	10.6	6.3	10.7	6.3	10.5	6.2	9.8	5.8	9.4	5.6	8.1	4.8
NW	7.8	4.8	8.3	5.1	8.5	5.3	8.7	5.4	8.8	5.4	8.8	5.4	8.8	5.4	9.1	5.5	9.1	5.5	8.7	5.2	8.4	5.1	7.2	4.4
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																							
N	6.6	4.1	6.8	4.2	6.9	4.3	7.0	4.4	7.0	4.4	7.1	4.4	7.1	4.4	7.0	4.4	7.0	4.4	6.9	4.3	6.8	4.2	6.7	4.2
NE	7.9	4.8	8.3	5.0	8.4	5.1	8.4	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.1	4.9	8.1	4.9	8.0	4.9	7.9	4.8	7.8	4.7
E	9.1	5.4	9.7	5.7	9.8	5.8	9.9	5.8	9.7	5.7	9.5	5.6	9.3	5.5	9.3	5.5	9.3	5.5	9.2	5.5	9.1	5.4	8.9	5.3
SE	9.0	5.3	9.5	5.6	9.7	5.7	9.9	5.8	9.8	5.8	9.7	5.7	9.5	5.6	9.3	5.5	9.3	5.5	9.2	5.5	9.1	5.4	8.9	5.3
S	8.1	4.8	8.3	5.0	8.5	5.1	8.7	5.2	8.9	5.3	9.0	5.4	8.9	5.3	8.9	5.3	8.7	5.2	8.5	5.1	8.3	5.0	8.1	4.9
SW	8.4	5.0	8.6	5.1	8.7	5.2	8.8	5.3	8.9	5.3	9.1	5.4	9.2	5.5	9.3	5.5	9.2	5.5	9.1	5.4	8.8	5.3	8.7	5.2
W	8.3	5.0	8.5	5.1	8.6	5.2	8.7	5.2	8.8	5.3	8.8	5.3	8.9	5.3	9.1	5.4	9.2	5.4	9.1	5.4	8.9	5.3	8.8	5.2
NW	7.4	4.5	7.6	4.6	7.7	4.7	7.8	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	8.0	4.9	8.0	4.9	7.9	4.8	7.8	4.7
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																							
N	6.6	4.1	6.8	4.3	7.0	4.4	7.1	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.1	4.4	7.0	4.4	6.8	4.3	6.7	4.2
NE	8.0	4.8	8.5	5.1	8.6	5.2	8.6	5.2	8.3	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.2	5.0	8.1	4.9	7.9	4.8	7.7	4.7
E	9.2	5.4	9.9	5.8	10.1	5.9	10.2	6.0	10.0	5.9	9.7	5.7	9.5	5.6	9.4	5.6	9.4	5.6	9.3	5.5	9.1	5.4	8.9	5.3
SE	9.0	5.3	9.7	5.7	9.9	5.9	10.2	6.0	10.1	6.0	10.0	5.9	9.7	5.7	9.4	5.6	9.4	5.6	9.3	5.5	9.1	5.4	8.9	5.3
S	8.0	4.8	8.3	5.0	8.6	5.2	8.9	5.4	9.1	5.5	9.2	5.5	9.2	5.5	9.1	5.4	8.8	5.3	8.6	5.2	8.3	5.0	8.1	4.9
SW	8.3	5.0	8.6	5.1	8.8	5.3	8.9	5.3	9.0	5.4	9.2	5.5	9.4	5.6	9.6	5.7	9.5	5.6	9.3	5.5	8.9	5.3	8.7	5.2
W	8.3	4.9	8.5	5.1	8.7	5.2	8.8	5.3	8.9	5.4	9.0	5.4	9.1	5.4	9.4	5.6	9.4	5.6	9.3	5.5	9.0	5.4	8.9	5.3
NW	7.4	4.5	7.6	4.6	7.8	4.8	7.9	4.9	8.0	4.9	8.1	4.9	8.0	4.9	8.0	4.9	8.2	5.0	8.2	5.0	8.0	4.9	7.9	4.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																							
N	6.6	4.1	6.9	4.3	7.1	4.4	7.2	4.5	7.3	4.6	7.4	4.6	7.3	4.6	7.3	4.5	7.2	4.5	7.1	4.4	6.9	4.3	6.8	4.2
NE	8.0	4.8	8.7	5.2	8.8	5.3	8.7	5.3	8.5	5.2	8.5	5.2	8.4	5.1	8.4	5.1	8.3	5.1	8.2	5.0	8.0	4.8	7.7	4.7
E	9.2	5.4	10.1	5.9	10.3	6.1	10.4	6.1	10.1	6.0	9.8	5.8	9.6	5.7	9.5	5.6	9.4	5.6	9.3	5.5	9.1	5.4	8.9	5.3
SE	9.0	5.3	9.8	5.7	10.1	6.0	10.4	6.1	10.3	6.1	10.2	6.0	9.8	5.8	9.5	5.6	9.4	5.6	9.3	5.5	9.1	5.4	8.9	5.3
S	8.0	4.8	8.3	5.0	8.7	5.2	9.1	5.5	9.3	5.6	9.4	5.6	9.3	5.6	9.3	5.5	9.0	5.4	8.7	5.2	8.3	5.0	8.1	4.9
SW	8.3	4.9	8.6	5.1	8.8	5.3	9.0	5.4	9.1	5.5	9.4	5.6	9.6	5.7	9.8	5.8	9.7	5.7	9.4	5.6	9.0	5.4	8.7	5.2
W	8.2	4.9	8.5	5.1	8.8	5.3	8.9	5.4	9.0	5.4	9.1	5.5	9.2	5.5	9.6	5.7	9.6	5.7	9.5	5.6	9.1	5.4	8.9	5.3
NW	7.3	4.5	7.6	4.7	7.9	4.8	8.0	4.9	8.1	5.0	8.2	5.0	8.1	5.0	8.1	5.0	8.3	5.1	8.3	5.0	8.1	4.9	8.0	4.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																							
R	11.3	4.5	11.7	4.7	12.0	4.9	12.1	5.0	12.2	5.0	12.2	5.0	12.1	5.0	11.8	4.8	11.5	4.7	11.2	4.5	11.0	4.4	10.7	4.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SAMSUN (41.17)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	5.1	3.2	5.0	3.1	5.0	3.0	4.8	2.9	4.9	2.9	4.8	2.9	4.9	3.0	4.9	2.9	5.0	3.0	5.4	3.2	6.7	4.1	7.4	4.6	8.1	5.1	8.5	5.4	8.8	5.6	9.0	5.7	8.9	5.6	8.7	5.5	8.5	5.4	8.1	5.1	7.5	4.7	7.1	4.5	6.1	3.8	5.4	3.4
NE	6.0	3.7	5.9	3.6	5.9	3.5	5.7	3.4	5.8	3.4	5.7	3.3	5.8	3.4	5.8	3.4	5.9	3.5	6.5	3.8	8.6	5.1	10.7	6.3	10.9	6.6	10.8	6.5	9.9	6.1	9.9	6.1	9.8	6.0	9.6	5.9	9.4	5.8	9.0	5.6	8.3	5.1	7.6	4.7	6.8	4.2	6.3	3.9
E	7.0	4.1	6.9	4.0	6.8	4.0	6.7	3.8	6.7	3.9	6.6	3.8	6.7	3.9	6.7	3.9	6.8	3.9	7.4	4.3	9.8	5.6	12.5	7.2	13.2	7.7	13.5	7.9	12.6	7.5	11.5	6.9	10.8	6.5	10.6	6.4	10.4	6.3	10.0	6.0	9.3	5.6	8.6	5.2	7.7	4.7	7.3	4.4
SE	7.0	4.1	6.9	4.0	6.8	4.0	6.7	3.8	6.7	3.9	6.6	3.8	6.7	3.9	6.7	3.9	6.8	3.9	7.3	4.2	9.1	5.3	11.5	6.7	12.6	7.4	13.5	7.9	13.2	7.8	12.6	7.5	11.5	6.9	10.6	6.4	10.4	6.3	10.0	6.0	9.3	5.6	8.6	5.2	7.7	4.7	7.3	4.4
S	6.4	3.8	6.3	3.7	6.2	3.7	6.1	3.5	6.1	3.5	6.0	3.5	6.1	3.6	6.1	3.5	6.2	3.6	6.5	3.8	7.6	4.6	8.5	5.2	9.8	6.0	11.0	6.6	11.7	7.0	12.1	7.2	11.8	7.0	11.6	6.9	10.7	6.4	9.7	5.9	8.7	5.3	8.0	4.9	7.1	4.4	6.7	4.1
SW	6.6	3.9	6.5	3.8	6.4	3.8	6.3	3.7	6.3	3.7	6.3	3.6	6.3	3.7	6.3	3.7	6.4	3.8	6.7	3.9	7.9	4.7	8.8	5.3	9.5	5.8	10.0	6.1	10.3	6.3	11.3	6.8	12.0	7.1	12.7	7.5	12.2	7.2	11.4	6.8	10.2	6.1	9.3	5.6	7.6	4.6	6.8	4.2
W	6.5	3.9	6.4	3.8	6.4	3.8	6.3	3.6	6.3	3.6	6.2	3.6	6.3	3.7	6.3	3.6	6.4	3.7	6.7	3.9	7.8	4.7	8.7	5.3	9.5	5.8	9.9	6.1	10.2	6.3	10.4	6.4	10.9	6.6	12.1	7.1	12.2	7.2	11.8	6.9	10.7	6.3	10.0	5.9	7.8	4.7	6.8	4.1
NW	5.8	3.5	5.7	3.5	5.6	3.4	5.5	3.3	5.5	3.3	5.5	3.2	5.5	3.3	5.5	3.3	5.6	3.4	5.9	3.5	7.1	4.3	8.0	4.9	8.7	5.5	9.2	5.7	9.5	5.9	9.7	6.0	9.6	5.9	9.6	5.9	10.2	6.2	10.1	6.1	9.4	5.7	9.0	5.4	7.1	4.3	6.0	3.8
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.7	4.2	6.6	4.1	6.5	4.1	6.5	4.0	6.5	4.0	6.5	4.0	6.4	4.0	6.4	4.0	6.4	4.0	6.4	4.0	6.4	4.0	6.5	4.0	6.5	4.0	6.6	4.1	6.7	4.2	6.8	4.2	6.8	4.2	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.2	6.8	4.2	6.8	4.2	6.7	4.2
NE	7.8	4.7	7.7	4.7	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.7	4.6	7.9	4.7	8.1	4.9	8.1	4.9	8.1	4.9	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	7.9	4.8	7.9	4.8	7.8	4.7
E	9.0	5.3	8.9	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	9.1	5.3	9.3	5.5	9.4	5.5	9.4	5.6	9.3	5.5	9.2	5.5	9.2	5.4	9.1	5.4	9.1	5.4	9.1	5.4	9.0	5.3
SE	9.0	5.3	8.9	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	9.0	5.3	9.2	5.4	9.3	5.5	9.4	5.6	9.4	5.5	9.3	5.5	9.2	5.5	9.1	5.4	9.1	5.4	9.1	5.4	9.0	5.3
S	8.2	4.9	8.1	4.9	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.1	4.9	8.2	4.9	8.3	5.0	8.5	5.1	8.5	5.1	8.6	5.1	8.5	5.1	8.5	5.1	8.4	5.1	8.3	5.0	8.2	4.9
SW	8.6	5.1	8.4	5.0	8.3	5.0	8.3	5.0	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	5.0	8.4	5.0	8.5	5.1	8.6	5.1	8.6	5.2	8.7	5.2	8.8	5.2	8.8	5.3	8.9	5.3	8.9	5.3	8.8	5.2	8.7	5.2
W	8.6	5.1	8.4	5.0	8.3	4.9	8.3	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.3	4.9	8.4	5.0	8.5	5.1	8.5	5.1	8.6	5.1	8.6	5.1	8.6	5.2	8.7	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.7	5.2
NW	7.6	4.6	7.4	4.5	7.3	4.5	7.3	4.5	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.4	7.4	4.5	7.5	4.6	7.6	4.6	7.6	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	6.4	4.0	6.2	3.9	6.1	3.8	6.1	3.8	6.1	3.8	6.1	3.7	6.1	3.7	6.0	3.7	6.1	3.7	6.1	3.7	6.1	3.8	6.2	3.8	6.6	4.1	6.9	4.3	7.1	4.4	7.2	4.5	7.3	4.6	7.4	4.6	7.3	4.6	7.3	4.5	7.2	4.5	7.1	4.4	6.9	4.3	6.8	4.2
NE	7.5	4.5	7.3	4.4	7.2	4.4	7.2	4.3	7.2	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.1	4.3	7.2	4.3	7.4	4.4	8.0	4.8	8.7	5.2	8.8	5.3	8.7	5.3	8.5	5.2	8.5	5.2	8.4	5.1	8.4	5.1	8.3	5.1	8.2	5.0	8.0	4.8	7.7	4.7
E	8.6	5.1	8.5	5.0	8.4	4.9	8.3	4.9	8.3	4.9	8.3	4.8	8.3	4.8	8.3	4.8	8.3	4.9	8.3	4.8	8.3	4.9	8.5	5.0	9.2	5.4	10.1	5.9	10.3	6.1	10.4	6.1	10.1	6.0	9.8	5.8	9.6	5.7	9.5	5.6	9.4	5.6	9.3	5.5	9.1	5.4	8.9	5.3
SE	8.6	5.1	8.5	5.0	8.4	4.9	8.3	4.9	8.3	4.9	8.3	4.8	8.3	4.8	8.3	4.8	8.3	4.9	8.3	4.8	8.3	4.9	8.4	4.9	9.0	5.3	9.8	5.7	10.1	6.0	10.4	6.1	10.3	6.1	10.2	6.0	9.8	5.8	9.5	5.6	9.4	5.6	9.3	5.5	9.1	5.4	8.9	5.3
S	7.8	4.7	7.7	4.6	7.6	4.6	7.6	4.5	7.6	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.5	4.5	7.6	4.5	7.7	4.6	8.0	4.8	8.3	5.0	8.7	5.2	9.1	5.5	9.3	5.6	9.4	5.6	9.3	5.6	9.3	5.5	9.0	5.4	8.7	5.2	8.3	5.0	8.1	4.9
SW	8.2	4.9	8.0	4.8	7.9	4.7	7.9	4.7	7.8	4.7	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.8	4.6	7.9	4.7	8.3	4.9	8.6	5.1	8.8	5.3	9.0	5.4	9.1	5.5	9.4	5.6	9.6	5.7	9.8	5.8	9.7	5.7	9.4	5.6	9.0	5.4	8.7	5.2
W	8.2	4.9	7.9	4.7	7.8	4.7	7.8	4.6	7.8	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.8	4.6	7.7	4.6	7.8	4.6	7.9	4.7	8.2	4.9	8.5	5.1	8.8	5.3	8.9	5.4	9.0	5.4	9.1	5.5	9.2	5.5	9.6	5.7	9.6	5.7	9.5	5.6	9.1	5.4	8.9	5.3
NW	7.3	4.5	7.0	4.3	6.9	4.2	6.9	4.2	6.9	4.2	6.9	4.1	6.9	4.1	6.8	4.1	6.9	4.1	6.9	4.1	6.9	4.2	7.0	4.2	7.3	4.5	7.6	4.7	7.9	4.8	8.0	4.9	8.1	5.0	8.2	5.0	8.1	5.0	8.1	5.0	8.3	5.1	8.3	5.0	8.1	4.9	8.0	4.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.7	4.1	6.6	4.1	6.5	4.1	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.5	4.0	6.6	4.1	6.7	4.2	6.7	4.2	6.8	4.2	6.8	4.2	6.8	4.2	6.8	4.2	6.8	4.2	6.8	4.2	6.7	4.2	6.7	4.2
NE	7.8	4.7	7.7	4.7	7.7	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.7	4.6	7.8	4.7	8.0	4.8	8.0	4.8	8.0	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.8	4.7
E	9.0	5.3	8.9	5.3	8.9	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.9	5.2	9.1	5.3	9.3	5.5	9.3	5.5	9.3	5.5	9.3	5.5	9.2	5.4	9.1	5.4	9.1	5.4	9.1	5.4	9.1	5.4	9.0	5.3
SE	9.0	5.3	8.9	5.3	8.9	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.9	5.2	9.0	5.3	9.2	5.4	9.3	5.5	9.3	5.5	9.3	5.5	9.3	5.5	9.2	5.4	9.1	5.4	9.1	5.4	9.1	5.4	9.0	5.3
S	8.2	4.9	8.1	4.9	8.1	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.1	4.8	8.1	4.9	8.2	4.9	8.3	5.0	8.4	5.0	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.4	5.0	8.3	5.0	8.2	4.9
SW	8.6	5.1	8.4	5.0	8.4	5.0	8.4	5.0	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.0	8.3	4.9	8.3	5.0	8.3	5.0	8.3	5.0	8.4	5.0	8.5	5.0	8.5	5.1	8.6	5.1	8.6	5.1	8.6	5.2	8.7	5.2	8.8	5.2	8.8	5.2	8.8	5.2	8.7	5.2	8.6	5.1
W	8.6	5.1	8.4	5.0	8.3	5.0	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.3	4.9	8.4	5.0	8.5	5.1	8.5	5.1	8.6	5.1	8.6	5.1	8.6	5.1	8.6	5.1	8.7	5.2	8.7	5.2	8.7	5.2	8.6	5.1
NW	7.6	4.6	7.4	4.5	7.4	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.4	7.3	4.4	7.3	4.4	7.3	4.5	7.3	4.4	7.3	4.5	7.4	4.5	7.4	4.5	7.5	4.6	7.6	4.6	7.6	4.6	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.7	4.7	7.7	4.7	7.6	4.6
	R2 - 12cm Concrete+2 cm plaster																																															
R	3.6	0.2	3.4	-0.1	3.4	-0.1	3.3	-0.2	3.4	0.0	3.4	-0.1	3.6	0.1	4.9	0.7	9.0	3.2	14.1	6.2	18.1	8.5	21.9	10.5	23.7	11.4	24.6	11.9	23.7	11.3	23.4	11.2	20.0	9.4	16.6	7.7	12.9	5.7	9.9	4.1	6.3	2.0	4.6	1.0	4.0	0.5	3.8	0.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SİİRT (37.56)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	13.3	11.2	13.2	11.0	13.0	10.9	13.0	10.8	12.9	10.8	12.7	10.5	12.6	10.5	12.6	10.4	12.5	10.3	12.4	10.3	12.6	10.4	13.4	10.9	14.1	11.4	14.7	11.9	15.2	12.3	15.6	12.6	15.9	12.8	16.0	12.9	16.0	13.0	15.8	12.9	15.6	12.8	15.2	12.5	14.6	12.2	13.9	11.6
NE	14.0	11.5	13.8	11.4	13.7	11.2	13.6	11.2	13.6	11.1	13.3	10.9	13.3	10.8	13.2	10.8	13.1	10.7	13.1	10.6	13.4	10.8	14.3	11.4	15.6	12.2	16.2	12.6	16.5	12.9	16.4	13.0	16.5	13.1	16.6	13.2	16.6	13.3	16.5	13.2	16.2	13.1	15.8	12.8	15.2	12.4	14.5	11.9
E	14.6	11.8	14.5	11.7	14.3	11.6	14.3	11.5	14.2	11.4	14.0	11.2	13.9	11.1	13.9	11.1	13.8	11.0	13.8	11.0	14.0	11.1	15.1	11.8	16.7	12.7	17.4	13.2	17.8	13.6	17.7	13.7	17.5	13.6	17.3	13.6	17.3	13.6	17.1	13.6	16.9	13.4	16.4	13.1	15.8	12.7	15.1	12.2
SE	14.6	11.8	14.5	11.7	14.4	11.6	14.3	11.5	14.2	11.4	14.0	11.2	13.9	11.1	13.9	11.1	13.8	11.0	13.8	11.0	14.0	11.1	14.9	11.7	16.2	12.5	17.1	13.1	17.7	13.6	17.9	13.8	17.9	13.8	17.6	13.7	17.3	13.6	17.1	13.6	16.9	13.4	16.4	13.2	15.8	12.8	15.1	12.2
S	14.2	11.6	14.0	11.5	13.9	11.3	13.8	11.3	13.8	11.2	13.5	11.0	13.5	10.9	13.4	10.9	13.3	10.8	13.3	10.7	13.5	10.8	14.2	11.3	14.9	11.8	15.7	12.4	16.5	13.0	17.1	13.4	17.4	13.6	17.5	13.7	17.4	13.7	17.1	13.5	16.6	13.3	16.0	12.9	15.4	12.5	14.7	12.0
SW	14.7	11.9	14.5	11.7	14.4	11.6	14.3	11.5	14.3	11.4	14.0	11.2	14.0	11.1	13.9	11.1	13.8	11.0	13.8	11.0	14.0	11.1	14.6	11.5	15.4	12.1	16.0	12.6	16.6	13.0	17.0	13.3	17.5	13.6	18.0	13.9	18.2	14.1	18.3	14.2	18.1	14.1	17.5	13.7	16.3	13.0	15.2	12.3
W	14.8	11.9	14.6	11.8	14.5	11.6	14.4	11.6	14.3	11.5	14.1	11.3	14.0	11.2	14.0	11.1	13.9	11.1	13.9	11.0	14.0	11.1	14.7	11.6	15.5	12.1	16.1	12.6	16.7	13.0	17.1	13.3	17.3	13.5	17.7	13.8	18.1	14.0	18.5	14.2	18.5	14.3	18.0	13.9	16.6	13.1	15.4	12.4
NW	14.1	11.6	14.0	11.4	13.8	11.3	13.8	11.2	13.7	11.2	13.5	10.9	13.4	10.8	13.3	10.8	13.3	10.7	13.2	10.7	13.4	10.8	14.1	11.3	14.8	11.8	15.4	12.3	16.0	12.7	16.4	13.0	16.6	13.2	16.8	13.3	16.9	13.4	17.1	13.6	17.3	13.6	17.0	13.4	15.8	12.8	14.8	12.1

W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	14.0	11.6	13.8	11.4	13.8	11.4	13.7	11.3	13.7	11.3	13.7	11.3	13.6	11.2	13.6	11.2	13.6	11.2	13.5	11.2	13.5	11.1	13.6	11.2	13.8	11.3	14.0	11.5	14.2	11.7	14.4	11.8	14.5	11.9	14.6	12.0	14.7	12.0	14.7	12.0	14.6	12.0	14.5	11.9	14.4	11.9	14.2	11.7
NE	14.7	11.9	14.5	11.8	14.5	11.8	14.4	11.7	14.4	11.7	14.4	11.7	14.3	11.6	14.3	11.6	14.3	11.6	14.3	11.5	14.3	11.5	14.3	11.6	14.7	11.8	15.1	12.0	15.2	12.2	15.3	12.3	15.3	12.3	15.4	12.3	15.4	12.4	15.4	12.4	15.3	12.3	15.3	12.3	15.1	12.2	14.9	12.1
E	15.4	12.3	15.3	12.2	15.2	12.1	15.2	12.1	15.2	12.1	15.1	12.0	15.1	12.0	15.0	11.9	15.0	11.9	15.0	11.9	15.0	11.9	15.1	11.9	15.4	12.1	15.9	12.4	16.2	12.6	16.3	12.7	16.3	12.7	16.2	12.7	16.1	12.7	16.1	12.7	16.1	12.7	16.0	12.7	15.8	12.6	15.7	12.5
SE	15.4	12.3	15.3	12.2	15.2	12.1	15.2	12.1	15.2	12.1	15.1	12.0	15.1	12.0	15.0	11.9	15.0	11.9	15.0	11.9	15.0	11.9	15.1	11.9	15.3	12.1	15.8	12.4	16.1	12.6	16.3	12.7	16.3	12.8	16.3	12.8	16.2	12.8	16.1	12.7	16.1	12.7	16.0	12.7	15.8	12.6	15.7	12.5
S	14.9	12.0	14.8	11.9	14.7	11.9	14.7	11.8	14.7	11.8	14.6	11.8	14.6	11.7	14.5	11.7	14.5	11.7	14.5	11.6	14.5	11.6	14.5	11.7	14.8	11.8	15.0	12.0	15.3	12.2	15.5	12.3	15.7	12.5	15.8	12.5	15.8	12.6	15.8	12.6	15.7	12.5	15.5	12.5	15.3	12.3	15.1	12.2
SW	15.5	12.3	15.3	12.2	15.3	12.1	15.2	12.1	15.2	12.1	15.2	12.0	15.1	12.0	15.1	11.9	15.1	11.9	15.0	11.9	15.0	11.9	15.1	11.9	15.3	12.1	15.5	12.2	15.7	12.4	15.9	12.5	16.1	12.6	16.2	12.8	16.4	12.8	16.4	12.9	16.5	12.9	16.4	12.9	16.2	12.8	15.8	12.5
W	15.6	12.4	15.4	12.2	15.4	12.2	15.3	12.1	15.3	12.1	15.3	12.1	15.2	12.0	15.2	12.0	15.2	12.0	15.1	12.0	15.1	11.9	15.2	12.0	15.4	12.1	15.6	12.3	15.8	12.5	16.0	12.6	16.1	12.7	16.2	12.8	16.3	12.8	16.5	12.9	16.6	13.0	16.6	13.0	16.4	12.9	16.0	12.6
NW	14.9	12.0	14.7	11.9	14.6	11.8	14.6	11.8	14.6	11.7	14.5	11.7	14.5	11.7	14.4	11.6	14.4	11.6	14.4	11.6	14.4	11.6	14.4	11.6	14.7	11.8	14.9	11.9	15.1	12.1	15.3	12.2	15.4	12.3	15.5	12.4	15.5	12.4	15.6	12.4	15.6	12.5	15.7	12.5	15.6	12.4	15.2	12.2

W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	14.0	11.6	13.7	11.4	13.7	11.3	13.6	11.3	13.6	11.2	13.5	11.2	13.4	11.1	13.4	11.1	13.4	11.1	13.4	11.0	13.3	11.0	13.4	11.1	13.7	11.3	14.0	11.5	14.3	11.7	14.6	11.9	14.7	12.0	14.8	12.1	14.9	12.1	14.9	12.2	14.8	12.1	14.7	12.1	14.5	12.0	14.3	11.8
NE	14.7	11.9	14.4	11.7	14.4	11.7	14.3	11.6	14.3	11.6	14.3	11.6	14.2	11.5	14.1	11.4	14.1	11.4	14.1	11.4	14.1	11.4	14.2	11.4	14.6	11.7	15.2	12.1	15.4	12.2	15.5	12.4	15.5	12.4	15.6	12.5	15.6	12.5	15.6	12.5	15.5	12.5	15.4	12.4	15.2	12.3	15.0	12.1
E	15.4	12.3	15.2	12.1	15.1	12.0	15.0	12.0	15.0	12.0	15.0	11.9	14.9	11.8	14.8	11.8	14.8	11.8	14.8	11.7	14.8	11.7	14.9	11.8	15.3	12.1	16.0	12.5	16.4	12.7	16.5	12.9	16.5	12.9	16.4	12.9	16.3	12.9	16.3	12.9	16.2	12.9	16.1	12.8	15.9	12.7	15.7	12.5
SE	15.4	12.3	15.2	12.1	15.1	12.0	15.0	12.0	15.0	12.0	15.0	11.9	14.9	11.8	14.9	11.8	14.8	11.8	14.8	11.7	14.8	11.7	14.9	11.8	15.3	12.0	15.9	12.4	16.2	12.7	16.5	12.9	16.6	12.9	16.6	13.0	16.5	12.9	16.3	12.9	16.3	12.9	16.1	12.8	15.9	12.7	15.7	12.5
S	14.9	12.0	14.7	11.9	14.6	11.8	14.5	11.7	14.5	11.7	14.5	11.7	14.4	11.6	14.3	11.5	14.3	11.5	14.3	11.5	14.3	11.5	14.3	11.5	14.6	11.7	15.0	11.9	15.3	12.2	15.7	12.4	15.9	12.6	16.1	12.7	16.1	12.8	16.1	12.7	15.9	12.7	15.7	12.6	15.4	12.4	15.2	12.3
SW	15.5	12.3	15.2	12.1	15.1	12.1	15.1	12.0	15.1	12.0	15.0	11.9	14.9	11.8	14.9	11.8	14.9	11.8	14.8	11.8	14.8	11.7	14.9	11.8	15.2	12.0	15.5	12.2	15.8	12.4	16.0	12.6	16.2	12.8	16.4	12.9	16.7	13.0	16.7	13.1	16.8	13.1	16.7	13.1	16.4	12.9	15.9	12.6
W	15.6	12.4	15.3	12.2	15.2	12.1	15.2	12.0	15.1	12.0	15.1	12.0	15.0	11.9	15.0	11.9	15.0	11.8	14.9	11.8	14.9	11.8	15.0	11.8	15.3	12.0	15.6	12.3	15.9	12.5	16.1	12.7	16.3	12.8	16.4	12.9	16.6	13.0	16.8	13.1	16.9	13.2	16.9	13.2	16.7	13.1	16.1	12.7
NW	14.9	12.0	14.6	11.8	14.5	11.7	14.4	11.7	14.4	11.7	14.4	11.6	14.3	11.5	14.3	11.5	14.2	11.5	14.2	11.4	14.2	11.4	14.3	11.5	14.6	11.7	14.9	11.9	15.2	12.1	15.4	12.3	15.6	12.4	15.7	12.5	15.7	12.6	15.8	12.6	15.9	12.7	16.0	12.7	15.8	12.6	15.3	12.3

W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	13.9	11.6	13.7	11.4	13.6	11.3	13.5	11.2	13.5	11.2	13.4	11.1	13.3	11.0	13.3	11.0	13.3	11.0	13.2	10.9	13.2	10.9	13.3	11.0	13.7	11.2	14.1	11.5	14.4	11.7	14.7	12.0	14.9	12.1	15.0	12.2	15.1	12.3	15.1	12.3	15.0	12.2	14.8	12.2	14.6	12.1	14.4	11.9
NE	14.6	11.9	14.4	11.7	14.3	11.6	14.2	11.6	14.2	11.5	14.2	11.5	14.0	11.4	14.0	11.3	14.0	11.3	13.9	11.3	13.9	11.2	14.1	11.3	14.6	11.6	15.2	12.1	15.5	12.3	15.7	12.5	15.6	12.5	15.7	12.6	15.8	12.6	15.8	12.6	15.7	12.6	15.5	12.5	15.3	12.4	15.0	12.2
E	15.3	12.3	15.1	12.1	15.0	12.0	14.9	11.9	14.9	11.9	14.9	11.9	14.8	11.7	14.7	11.7	14.7	11.7	14.6	11.6	14.6	11.6	14.8	11.7	15.3	12.0	16.1	12.5	16.5	12.8	16.7	13.0	16.7	13.0	16.6	13.0	16.5	13.0	16.5	13.0	16.4	13.0	16.3	12.9	16.0	12.7	15.7	12.5
SE	15.3	12.3	15.1	12.1	15.0	12.0	14.9	11.9	14.9	11.9	14.9	11.9	14.8	11.7	14.7	11.7	14.7	11.7	14.6	11.6	14.6	11.6	14.7	11.7	15.2	12.0	15.9	12.4	16.4	12.7	16.7	13.0	16.8	13.1	16.8	13.1	16.6	13.1	16.5	13.0	16.4	13.0	16.3	12.9	16.0	12.7	15.7	12.5
S	14.8	12.0	14.6	11.8	14.5	11.7	14.4	11.7	14.4	11.6	14.4	11.6	14.3	11.5	14.2	11.4	14.2	11.4	14.2	11.4	14.1	11.4	14.2	11.4	14.6	11.7	15.0	11.9	15.4	12.2	15.8	12.5	16.1	12.7	16.3	12.9	16.3	12.9	16.3	12.9	16.1	12.8	15.9	12.7	15.5	12.5	15.2	12.3
SW	15.4	12.3	15.1	12.1	15.0	12.0	15.0	11.9	14.9	11.9	14.9	11.9	14.8	11.8	14.7	11.7	14.7	11.7	14.7	11.6	14.7	11.6	14.7	11.7	15.1	11.9	15.5	12.2	15.8	12.4	16.1	12.7	16.3	12.8	16.6	13.0	16.9	13.2	17.0	13.2	17.0	13.3	16.9	13.2	16.6	13.0	15.9	12.7
W	15.6	12.4	15.2	12.1	15.1	12.1	15.1	12.0	15.0	12.0	15.0	11.9	14.9	11.8	14.8	11.8	14.8	11.7	14.8	11.7	14.7	11.7	14.8	11.7	15.2	12.0	15.6	12.2	15.9	12.5	16.2	12.7	16.4	12.9	16.5	13.0	16.7	13.1	17.0	13.2	17.1	13.3	17.2	13.4	16.9	13.2	16.2	12.8
NW	14.8	12.0	14.5	11.8	14.4	11.7	14.3	11.6	14.3	11.6	14.3	11.6	14.2	11.4	14.1	11.4	14.1	11.4	14.1	11.3	14.0	11.3	14.1	11.4	14.5	11.6	14.9	11.9	15.2	12.1	15.5	12.4	15.7	12.5	15.8	12.6	15.9	12.7	15.9	12.7	16.1	12.8	16.2	12.9	16.0	12.7	15.4	12.4

R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
R	16.6	10.9	16.6	10.8	16.5	10.8	16.5	10.8	16.5	10.8	16.4	10.7	16.4	10.7	16.4	10.7	16.4	10.6	16.3	10.6	16.4	10.7	16.7	10.9	17.2	11.1	17.6	11.4	17.9	11.6	18.1	11.7	18.2	11.8	18.3	11.8	18.1	11.8	18.0	11.7	17.8	11.6	17.5	11.5	17.1	11.2	16.8	11.0

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SİİRT (37.56)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	12.6	10.7	12.4	10.5	12.3	10.4	12.2	10.3	11.8	9.9	11.7	9.8	11.6	9.7	11.5	9.6	11.4	9.5	11.8	9.7	13.0	10.5	14.1	11.3
NE	13.2	11.0	13.0	10.8	12.9	10.7	12.8	10.6	12.4	10.2	12.3	10.1	12.2	10.0	12.1	9.9	12.0	9.8	12.5	10.1	14.0	11.1	16.2	12.4
E	13.8	11.3	13.6	11.1	13.5	11.0	13.4	10.9	13.0	10.5	12.9	10.4	12.8	10.3	12.7	10.2	12.6	10.1	13.1	10.4	14.7	11.4	17.4	13.0
SE	13.8	11.3	13.6	11.1	13.5	11.0	13.4	10.9	13.0	10.5	12.9	10.4	12.8	10.3	12.7	10.2	12.6	10.1	13.0	10.3	14.4	11.2	16.7	12.6
S	13.4	11.1	13.2	10.9	13.1	10.8	13.0	10.7	12.6	10.3	12.5	10.2	12.4	10.1	12.3	10.0	12.2	9.9	12.5	10.1	13.6	10.8	14.8	11.7
SW	13.9	11.3	13.6	11.1	13.5	11.0	13.4	10.9	13.0	10.5	12.9	10.4	12.8	10.3	12.7	10.2	12.6	10.1	12.9	10.3	14.0	11.0	15.2	11.9
W	13.9	11.4	13.7	11.1	13.6	11.0	13.5	10.9	13.1	10.6	13.0	10.4	12.9	10.3	12.8	10.2	12.7	10.1	13.0	10.3	14.1	11.1	15.3	11.9
NW	13.3	11.1	13.1	10.8	13.0	10.7	12.9	10.6	12.5	10.3	12.4	10.1	12.3	10.0	12.2	9.9	12.1	9.8	12.4	10.0	13.5	10.8	14.7	11.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	14.1	11.6	14.0	11.6	13.9	11.5	13.9	11.5	13.9	11.4	13.9	11.4	13.9	11.4	13.8	11.4	13.8	11.4	13.8	11.4	13.8	11.4	13.8	11.3
NE	14.9	12.0	14.7	11.9	14.7	11.9	14.7	11.8	14.6	11.8	14.6	11.8	14.6	11.8	14.6	11.8	14.6	11.7	14.6	11.7	14.5	11.7	14.5	11.7
E	15.6	12.4	15.5	12.3	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.3	12.1	15.3	12.1	15.3	12.1	15.3	12.1	15.3	12.1
SE	15.6	12.4	15.5	12.3	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.3	12.1	15.3	12.1	15.3	12.1	15.3	12.1	15.3	12.1
S	15.1	12.1	15.0	12.0	14.9	12.0	14.9	12.0	14.9	11.9	14.8	11.9	14.8	11.9	14.8	11.9	14.8	11.9	14.8	11.9	14.8	11.8	14.8	11.8
SW	15.7	12.4	15.5	12.3	15.5	12.3	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.3	12.1	15.3	12.1	15.3	12.1	15.3	12.1
W	15.8	12.5	15.7	12.4	15.6	12.3	15.5	12.3	15.5	12.3	15.5	12.3	15.5	12.2	15.5	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2
NW	15.1	12.1	14.9	12.0	14.8	11.9	14.8	11.9	14.8	11.9	14.7	11.9	14.7	11.9	14.7	11.8	14.7	11.8	14.7	11.8	14.7	11.8	14.7	11.8
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	14.0	11.6	13.7	11.4	13.6	11.3	13.5	11.2	13.5	11.2	13.5	11.2	13.4	11.1	13.3	11.0	13.3	11.0	13.3	11.0	13.3	10.9	13.4	11.0
NE	14.6	11.9	14.4	11.7	14.3	11.7	14.3	11.6	14.2	11.6	14.2	11.5	14.1	11.4	14.1	11.4	14.0	11.4	14.0	11.3	14.0	11.3	14.1	11.4
E	15.3	12.3	15.1	12.1	15.0	12.0	15.0	11.9	15.0	11.9	14.9	11.9	14.8	11.8	14.8	11.7	14.7	11.7	14.7	11.7	14.7	11.7	14.8	11.7
SE	15.3	12.3	15.1	12.1	15.1	12.0	15.0	11.9	15.0	11.9	14.9	11.9	14.8	11.8	14.8	11.7	14.7	11.7	14.7	11.7	14.7	11.7	14.8	11.7
S	14.9	12.0	14.6	11.8	14.6	11.8	14.5	11.7	14.5	11.7	14.4	11.6	14.3	11.5	14.3	11.5	14.3	11.5	14.2	11.4	14.2	11.4	14.3	11.5
SW	15.4	12.3	15.2	12.1	15.1	12.0	15.0	12.0	15.0	11.9	15.0	11.9	14.8	11.8	14.8	11.8	14.8	11.7	14.7	11.7	14.7	11.7	14.8	11.7
W	15.6	12.4	15.2	12.1	15.2	12.1	15.1	12.0	15.1	12.0	15.0	11.9	14.9	11.8	14.9	11.8	14.9	11.8	14.8	11.7	14.8	11.7	14.9	11.8
NW	14.9	12.0	14.5	11.8	14.5	11.7	14.4	11.6	14.4	11.6	14.3	11.6	14.2	11.5	14.2	11.4	14.2	11.4	14.1	11.4	14.1	11.4	14.2	11.4
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	14.1	11.6	14.0	11.6	13.9	11.5	13.9	11.5	13.9	11.5	13.9	11.5	13.9	11.4	13.9	11.4	13.8	11.4	13.8	11.4	13.8	11.4	13.8	11.4
NE	14.8	12.0	14.8	11.9	14.7	11.9	14.7	11.9	14.7	11.8	14.7	11.8	14.6	11.8	14.6	11.8	14.6	11.8	14.6	11.8	14.6	11.8	14.6	11.8
E	15.6	12.4	15.5	12.3	15.4	12.3	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.3	12.2	15.3	12.1	15.3	12.1
SE	15.6	12.4	15.5	12.3	15.4	12.3	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.3	12.2	15.3	12.1	15.3	12.1
S	15.1	12.1	15.0	12.0	14.9	12.0	14.9	12.0	14.9	12.0	14.9	11.9	14.9	11.9	14.8	11.9	14.8	11.9	14.8	11.9	14.8	11.9	14.8	11.9
SW	15.7	12.4	15.6	12.3	15.5	12.3	15.5	12.3	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2	15.4	12.2
W	15.8	12.5	15.7	12.4	15.6	12.3	15.6	12.3	15.5	12.3	15.5	12.3	15.5	12.3	15.5	12.2	15.5	12.2	15.5	12.2	15.5	12.2	15.5	12.2
NW	15.0	12.1	14.9	12.0	14.8	11.9	14.8	11.9	14.8	11.9	14.8	11.9	14.8	11.9	14.7	11.9	14.7	11.8	14.7	11.8	14.7	11.8	14.7	11.8
	R2 - 12cm Concrete+2 cm plaster																							
R	10.2	7.1	9.9	6.8	9.1	6.0	8.9	5.7	8.7	5.6	8.5	5.3	8.3	5.2	9.2	5.7	12.9	8.0	18.0	11.1	22.4	13.8	26.3	16.3

Hours 13–24

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	15.1	12.1	16.0	12.8	16.7	13.3	17.1	13.6	17.2	13.8	17.2	13.9	17.0	13.8	16.6	13.6	15.9	13.1	15.0	12.5	13.8	11.7	12.9	11.0
NE	17.1	13.1	17.5	13.6	17.5	13.7	17.7	13.9	17.8	14.1	17.8	14.2	17.6	14.1	17.1	13.9	16.4	13.4	15.4	12.7	14.2	11.9	13.5	11.3
E	18.6	13.8	19.2	14.4	19.1	14.5	18.7	14.4	18.4	14.4	18.4	14.5	18.1	14.4	17.7	14.2	17.0	13.7	16.0	13.0	14.8	12.2	14.1	11.5
SE	18.1	13.6	19.1	14.4	19.5	14.7	19.4	14.8	18.9	14.6	18.4	14.5	18.1	14.4	17.7	14.2	17.0	13.7	16.0	13.0	14.8	12.2	14.1	11.6
S	16.2	12.6	17.5	13.6	18.4	14.2	19.0	14.6	19.2	14.8	18.9	14.7	18.4	14.5	17.7	14.1	16.6	13.5	15.6	12.8	14.4	12.0	13.6	11.3
SW	16.3	12.7	17.2	13.4	17.9	13.9	18.8	14.5	19.6	15.0	19.9	15.2	20.1	15.3	19.8	15.2	18.7	14.5	16.7	13.4	15.0	12.3	14.1	11.6
W	16.4	12.7	17.3	13.5	18.0	14.0	18.4	14.3	19.0	14.7	19.7	15.1	20.2	15.4	20.4	15.5	19.5	14.9	17.2	13.6	15.3	12.4	14.2	11.6
NW	15.8	12.4	16.7	13.2	17.4	13.7	17.8	14.0	17.9	14.1	18.1	14.3	18.6	14.6	18.8	14.7	18.3	14.3	16.4	13.2	14.7	12.1	13.6	11.3
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	13.8	11.4	13.9	11.4	14.0	11.5	14.1	11.6	14.2	11.7	14.3	11.7	14.3	11.7	14.3	11.8	14.3	11.8	14.3	11.8	14.3	11.7	14.2	11.7
NE	14.6	11.7	14.7	11.8	14.9	12.0	15.0	12.0	15.1	12.1	15.1	12.1	15.1	12.1	15.1	12.1	15.1	12.1	15.1	12.1	15.0	12.1	15.0	12.1
E	15.3	12.1	15.5	12.2	15.7	12.4	15.9	12.5	15.9	12.5	15.9	12.5	15.9	12.5	15.8	12.5	15.8	12.5	15.8	12.5	15.8	12.5	15.7	12.4
SE	15.3	12.1	15.5	12.2	15.7	12.3	15.8	12.4	15.9	12.5	15.9	12.5	15.9	12.5	15.9	12.5	15.8	12.5	15.8	12.5	15.8	12.5	15.7	12.4
S	14.8	11.9	14.9	11.9	15.0	12.0	15.1	12.1	15.3	12.2	15.4	12.2	15.4	12.3	15.4	12.3	15.4	12.3	15.4	12.3	15.3	12.2	15.2	12.2
SW	15.3	12.1	15.5	12.2	15.6	12.3	15.7	12.4	15.8	12.4	15.8	12.5	15.9	12.5	16.0	12.6	16.0	12.6	16.0	12.6	16.0	12.6	15.9	12.5
W	15.4	12.2	15.6	12.3	15.7	12.3	15.8	12.4	15.9	12.5	15.9	12.5	16.0	12.6	16.0	12.6	16.1	12.6	16.1	12.7	16.1	12.7	16.1	12.6
NW	14.7	11.8	14.8	11.9	14.9	12.0	15.0	12.0	15.1	12.1	15.2	12.2	15.2	12.2	15.2	12.2	15.2	12.2	15.3	12.2	15.3	12.3	15.2	12.2
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	13.7	11.2	14.0	11.5	14.3	11.7	14.6	11.9	14.8	12.1	14.9	12.2	15.0	12.2	15.0	12.2	14.9	12.2	14.8	12.1	14.6	12.0	14.3	11.8
NE	14.6	11.7	15.2	12.1	15.5	12.3	15.6	12.4	15.6	12.5	15.6	12.5	15.7	12.6	15.7	12.6	15.6	12.6	15.5	12.5	15.3	12.4	15.0	12.2
E	15.3	12.0	16.1	12.5	16.5	12.8	16.6	12.9	16.6	13.0	16.5	12.9	16.4	12.9	16.4	12.9	16.3	12.9	16.2	12.9	16.0	12.7	15.7	12.5
SE	15.2	12.0	15.9	12.4	16.3	12.7	16.6	12.9	16.7	13.0	16.7	13.0	16.6	13.0	16.4	12.9	16.3	12.9	16.2	12.9	16.0	12.7	15.7	12.5
S	14.6	11.7	15.0	11.9	15.4	12.2	15.8	12.5	16.0	12.7	16.2	12.8	16.3	12.8	16.2	12.8	16.0	12.8	15.8	12.7	15.5	12.5	15.2	12.3
SW	15.1	12.0	15.5	12.2	15.8	12.4	16.1	12.7	16.3	12.8	16.5	13.0	16.8	13.1	16.9	13.2	16.9	13.2	16.8	13.2	16.5	13.0	15.9	12.6
W	15.2	12.0	15.6	12.3	15.9	12.5	16.2	12.7	16.4	12.8	16.5	12.9	16.7	13.1	16.9	13.2	17.0	13.3	17.1	13.3	16.8	13.1	16.1	12.7
NW	14.5	11.6	14.9	11.9	15.2	12.1	15.5	12.3	15.6	12.5	15.8	12.6	15.8	12.6	15.9	12.7	16.0	12.8	16.1	12.8	15.9	12.7	15.4	12.4
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	13.9	11.4	13.9	11.5	14.0	11.5	14.1	11.6	14.2	11.6	14.2	11.7	14.3	11.7	14.3	11.7	14.3	11.7	14.3	11.7	14.2	11.7	14.2	11.7
NE	14.6	11.8	14.7	11.9	14.9	12.0	15.0	12.0	15.0	12.1	15.0	12.1	15.0	12.1	15.0	12.1	15.0	12.1	15.0	12.1	15.0	12.1	14.9	12.0
E	15.4	12.2	15.5	12.2	15.7	12.4	15.8	12.4	15.8	12.5	15.8	12.5	15.8	12.5	15.8	12.5	15.8	12.5	15.8	12.5	15.7	12.5	15.7	12.4
SE	15.4	12.2	15.5	12.2	15.7	12.3	15.8	12.4	15.8	12.5	15.9	12.5	15.9	12.5	15.8	12.5	15.8	12.5	15.8	12.5	15.7	12.5	15.7	12.4
S	14.8	11.9	14.9	11.9	15.0	12.0	15.1	12.1	15.2	12.2	15.3	12.2	15.3	12.2	15.4	12.3	15.3	12.3	15.3	12.2	15.2	12.2	15.2	12.2
SW	15.4	12.2	15.5	12.2	15.6	12.3	15.7	12.4	15.7	12.4	15.8	12.5	15.9	12.5	15.9	12.5	15.9	12.6	16.0	12.6	15.9	12.6	15.8	12.5
W	15.5	12.2	15.6	12.3	15.7	12.3	15.8	12.4	15.8	12.5	15.9	12.5	15.9	12.5	16.0	12.6	16.0	12.6	16.1	12.6	16.1	12.6	16.0	12.6
NW	14.7	11.8	14.8	11.9	14.9	12.0	15.0	12.0	15.1	12.1	15.1	12.1	15.2	12.1	15.2	12.2	15.2	12.2	15.2	12.2	15.2	12.2	15.2	12.2
	R2 - 12cm Concrete+2 cm plaster																							
R	28.8	17.9	30.3	18.9	30.6	19.2	29.3	18.7	28.2	18.2	25.8	17.1	22.0	15.0	17.3	12.3	13.4	9.8	11.3	8.2	10.9	7.7	10.3	7.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SİNOP(42.01)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.1	3.2	5.0	3.1	5.0	3.0	4.9	3.0	4.9	3.0	4.9	2.9	4.9	2.9	4.9	2.9	4.9	2.9	4.8	2.9	4.9	3.0	5.2	3.1	6.0	3.6	6.5	3.9	6.8	4.1	7.1	4.4	7.3	4.5	7.3	4.5	7.3	4.5	7.1	4.4	6.7	4.2	6.3	3.9	6.1	3.7	5.7	3.5
NE	5.5	3.3	5.3	3.2	5.3	3.2	5.3	3.2	5.2	3.1	5.2	3.1	5.2	3.1	5.2	3.1	5.2	3.1	5.1	3.0	5.3	3.1	5.6	3.3	6.5	3.9	7.6	4.5	7.7	4.6	7.4	4.5	7.6	4.6	7.6	4.6	7.6	4.7	7.4	4.5	7.1	4.3	6.7	4.1	6.2	3.8	5.7	3.5
E	6.3	3.8	6.2	3.7	6.2	3.6	6.1	3.6	6.1	3.6	6.1	3.5	6.0	3.5	6.1	3.5	6.0	3.5	6.0	3.5	6.1	3.6	6.4	3.7	7.5	4.4	9.2	5.3	9.5	5.5	9.4	5.5	8.8	5.3	8.4	5.1	8.5	5.1	8.2	5.0	7.9	4.8	7.5	4.5	7.0	4.2	6.5	3.9
SE	6.3	3.7	6.1	3.6	6.1	3.6	6.1	3.5	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	5.9	3.4	6.1	3.5	6.3	3.7	7.3	4.3	9.0	5.1	9.6	5.5	9.8	5.7	9.6	5.6	9.1	5.4	8.4	5.1	8.2	4.9	7.8	4.7	7.4	4.5	7.0	4.2	6.5	3.9
S	7.0	4.1	6.9	4.0	6.8	4.0	6.8	3.9	6.8	3.9	6.7	3.9	6.7	3.8	6.7	3.8	6.7	3.8	6.7	3.8	6.8	3.9	7.1	4.1	7.8	4.5	8.7	5.0	9.5	5.5	10.1	5.9	10.5	6.1	10.5	6.1	10.3	6.1	9.8	5.7	9.0	5.3	8.3	4.9	7.7	4.5	7.2	4.2
SW	7.5	4.4	7.4	4.3	7.4	4.2	7.3	4.2	7.3	4.1	7.3	4.1	7.2	4.1	7.2	4.1	7.2	4.1	7.2	4.1	7.3	4.1	7.6	4.3	8.3	4.8	8.8	5.1	9.2	5.3	9.5	5.6	10.3	6.0	10.9	6.3	11.3	6.6	11.3	6.5	10.8	6.2	9.9	5.7	9.1	5.2	8.2	4.7
W	7.4	4.3	7.3	4.2	7.2	4.2	7.2	4.1	7.2	4.1	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.2	4.1	7.4	4.2	8.2	4.7	8.7	5.0	9.1	5.3	9.4	5.5	9.5	5.6	9.9	5.8	10.7	6.2	11.0	6.4	10.9	6.3	10.2	5.9	9.5	5.5	8.5	4.9
NW	6.2	3.7	6.1	3.6	6.1	3.6	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	5.9	3.5	5.9	3.4	6.0	3.5	6.3	3.7	7.1	4.1	7.6	4.4	7.9	4.7	8.2	4.9	8.4	5.0	8.4	5.0	8.4	5.1	8.7	5.2	8.9	5.2	8.5	5.0	8.1	4.7	7.3	4.3
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	5.8	3.5	5.6	3.4	5.6	3.4	5.6	3.4	5.5	3.4	5.5	3.4	5.5	3.3	5.5	3.3	5.5	3.3	5.5	3.3	5.5	3.3	5.5	3.4	5.6	3.4	5.9	3.6	6.0	3.7	6.1	3.7	6.2	3.8	6.3	3.8	6.3	3.8	6.3	3.9	6.2	3.8	6.1	3.7	6.0	3.7	5.9	3.6
NE	6.0	3.6	5.9	3.6	5.9	3.6	5.9	3.6	5.9	3.5	5.9	3.5	5.9	3.5	5.9	3.5	5.9	3.5	5.9	3.5	5.8	3.5	5.9	3.5	6.0	3.6	6.3	3.8	6.7	4.0	6.7	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.5	3.9	6.3	3.8	6.2	3.7
E	7.0	4.1	6.9	4.1	6.9	4.0	6.9	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.9	4.0	6.9	4.1	7.3	4.3	7.8	4.6	7.9	4.6	7.9	4.6	7.7	4.6	7.6	4.5	7.6	4.5	7.5	4.5	7.4	4.4	7.3	4.3	7.1	4.2
SE	7.0	4.1	6.9	4.1	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.9	4.1	7.2	4.2	7.8	4.5	8.0	4.6	8.0	4.7	8.0	4.7	7.8	4.6	7.6	4.5	7.5	4.5	7.4	4.4	7.3	4.3	7.1	4.2
S	7.7	4.5	7.7	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.5	4.4	7.6	4.4	7.7	4.4	7.9	4.6	8.2	4.7	8.4	4.9	8.7	5.0	8.8	5.1	8.8	5.1	8.7	5.1	8.5	5.0	8.3	4.8	8.1	4.7	7.9	4.6
SW	8.4	4.9	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.1	4.7	8.1	4.7	8.1	4.7	8.1	4.7	8.1	4.6	8.2	4.7	8.2	4.7	8.5	4.9	8.7	5.0	8.8	5.1	8.9	5.1	9.1	5.3	9.3	5.4	9.5	5.4	9.4	5.4	9.3	5.3	9.0	5.2	8.7	5.0
W	8.4	4.9	8.1	4.7	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.1	4.6	8.3	4.8	8.5	4.9	8.6	5.0	8.7	5.0	8.8	5.1	8.9	5.2	9.1	5.3	9.2	5.3	9.2	5.3	9.0	5.2	8.8	5.0
NW	7.1	4.2	6.8	4.0	6.8	4.0	6.8	4.0	6.7	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	4.0	6.8	4.0	7.1	4.2	7.2	4.3	7.3	4.3	7.4	4.4	7.5	4.4	7.5	4.4	7.5	4.5	7.6	4.5	7.7	4.5	7.5	4.4	7.4	4.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	5.7	3.5	5.5	3.4	5.5	3.3	5.5	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.6	3.4	5.9	3.6	6.1	3.7	6.3	3.8	6.4	3.9	6.4	3.9	6.4	4.0	6.5	4.0	6.4	3.9	6.2	3.8	6.0	3.7	5.9	3.6
NE	6.0	3.6	5.9	3.6	5.8	3.5	5.8	3.5	5.8	3.5	5.8	3.5	5.8	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.8	3.5	5.9	3.5	6.3	3.8	6.8	4.1	6.8	4.1	6.7	4.1	6.8	4.1	6.8	4.1	6.8	4.1	6.7	4.1	6.6	4.0	6.4	3.9	6.2	3.8
E	6.9	4.1	6.8	4.0	6.8	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.9	4.0	7.3	4.3	8.1	4.7	8.2	4.8	8.1	4.8	7.9	4.7	7.7	4.6	7.7	4.6	7.6	4.5	7.5	4.5	7.3	4.4	7.1	4.2
SE	6.9	4.1	6.8	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.6	3.9	6.7	3.9	6.8	4.0	7.3	4.2	8.0	4.6	8.2	4.8	8.3	4.9	8.2	4.8	8.0	4.7	7.7	4.6	7.6	4.5	7.5	4.4	7.3	4.3	7.1	4.2
S	7.6	4.5	7.5	4.4	7.5	4.3	7.5	4.3	7.5	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.6	4.4	7.9	4.6	8.3	4.8	8.6	5.0	8.9	5.2	9.1	5.3	9.1	5.3	9.0	5.2	8.8	5.1	8.4	4.9	8.1	4.7	7.9	4.6
SW	8.4	4.8	8.1	4.7	8.1	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.5	8.0	4.6	8.1	4.7	8.5	4.9	8.7	5.0	8.8	5.1	9.0	5.2	9.3	5.4	9.6	5.5	9.8	5.6	9.7	5.6	9.5	5.5	9.2	5.3	8.8	5.1
W	8.5	4.9	8.0	4.6	7.9	4.6	7.9	4.5	7.9	4.5	7.9	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.9	4.5	8.0	4.6	8.3	4.8	8.5	4.9	8.7	5.0	8.8	5.1	8.9	5.2	9.1	5.3	9.4	5.4	9.5	5.5	9.5	5.5	9.2	5.3	8.9	5.1
NW	7.2	4.2	6.7	4.0	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.9	6.7	4.0	7.1	4.2	7.3	4.3	7.4	4.4	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.6	7.8	4.6	7.9	4.6	7.7	4.5	7.5	4.4
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	5.7	3.5	5.5	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.4	3.2	5.5	3.3	5.9	3.6	6.2	3.7	6.3	3.9	6.5	4.0	6.6	4.0	6.6	4.0	6.6	4.1	6.5	4.0	6.3	3.9	6.1	3.7	5.9	3.6
NE	5.9	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.6	3.4	5.7	3.4	5.9	3.5	6.4	3.8	6.9	4.1	7.0	4.2	6.8	4.1	6.9	4.2	6.9	4.2	6.9	4.2	6.8	4.1	6.6	4.0	6.4	3.9	6.2	3.8
E	6.9	4.1	6.7	4.0	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.9	6.6	3.8	6.6	3.8	6.6	3.9	6.8	4.0	7.4	4.3	8.3	4.8	8.4	4.9	8.3	4.9	8.0	4.8	7.8	4.7	7.8	4.7	7.7	4.6	7.6	4.5	7.4	4.4	7.1	4.2
SE	6.8	4.0	6.7	4.0	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.8	6.6	3.8	6.5	3.8	6.5	3.8	6.6	3.9	6.7	3.9	7.3	4.2	8.1	4.7	8.4	4.9	8.5	5.0	8.4	5.0	8.2	4.8	7.8	4.7	7.7	4.6	7.5	4.5	7.3	4.4	7.1	4.2
S	7.6	4.4	7.5	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.5	4.3	7.9	4.6	8.3	4.8	8.7	5.1	9.1	5.3	9.3	5.4	9.3	5.4	9.2	5.4	8.9	5.2	8.5	5.0	8.1	4.8	7.8	4.6
SW	8.4	4.8	8.0	4.6	8.0	4.6	7.9	4.6	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	8.0	4.6	8.5	4.8	8.7	5.0	8.9	5.1	9.1	5.3	9.5	5.5	9.8	5.7	10.0	5.8	10.0	5.7	9.7	5.6	9.3	5.3	8.8	5.1
W	8.5	4.9	7.9	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.8	4.4	7.9	4.5	8.3	4.8	8.6	4.9	8.8	5.1	8.9	5.2	9.0	5.2	9.2	5.3	9.6	5.6	9.8	5.6	9.7	5.6	9.3	5.4	9.0	5.2
NW	7.2	4.2	6.6	3.9	6.6	3.9	6.6	3.9	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.7	3.9	7.1	4.1	7.3	4.3	7.5	4.4	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.9	4.7	8.0	4.7	7.8	4.6	7.6	4.5
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	9.1	3.2	9.1	3.2	9.1	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.1	9.1	3.2	9.2	3.2	9.6	3.5	10.1	3.7	10.4	3.9	10.6	4.0	10.8	4.1	10.8	4.1	10.7	4.1	10.5	4.0	10.2	3.8	9.8	3.6	9.5	3.5	9.2	3.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SİNOP(42.01)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours 1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																																
N	4.5	2.8	4.5	2.7	4.4	2.6	4.3	2.6	4.3	2.5	4.3	2.5	4.3	2.5	4.2	2.5	4.2	2.4	4.4	2.6	4.8	2.9	6.1	3.6	6.9	4.1	7.5	4.5	8.0	4.9	8.2	5.1	8.2	5.1	8.2	5.2	7.8	4.9	7.3	4.6	6.7	4.2	6.2	3.8	5.5	3.4	4.7	2.9
NE	4.8	2.9	4.8	2.9	4.7	2.8	4.6	2.7	4.6	2.7	4.5	2.7	4.6	2.7	4.5	2.6	4.5	2.6	4.7	2.7	5.2	3.0	6.8	4.0	8.6	5.0	8.6	5.1	8.3	5.0	8.5	5.2	8.5	5.2	8.5	5.3	8.1	5.1	7.6	4.7	7.0	4.3	6.2	3.8	5.4	3.3	5.0	3.1
E	5.6	3.3	5.5	3.2	5.4	3.2	5.4	3.1	5.3	3.1	5.3	3.0	5.3	3.0	5.3	3.0	5.2	3.0	5.5	3.1	6.0	3.4	7.7	4.4	10.6	6.0	11.1	6.3	10.8	6.3	9.9	5.9	9.3	5.6	9.3	5.7	8.9	5.4	8.4	5.1	7.7	4.7	7.0	4.2	6.1	3.7	5.8	3.5
SE	5.5	3.2	5.4	3.2	5.3	3.1	5.3	3.1	5.2	3.0	5.2	3.0	5.2	3.0	5.2	3.0	5.1	2.9	5.3	3.0	5.8	3.4	7.4	4.3	10.1	5.7	11.1	6.3	11.5	6.7	11.2	6.6	10.3	6.1	9.2	5.7	8.8	5.4	8.3	5.0	7.6	4.6	6.8	4.1	6.0	3.6	5.7	3.4
S	6.2	3.6	6.1	3.5	6.0	3.5	6.0	3.4	5.9	3.4	5.9	3.3	5.9	3.3	5.9	3.3	5.8	3.3	6.0	3.4	6.5	3.7	7.8	4.4	9.2	5.3	10.4	6.0	11.5	6.7	12.1	7.0	12.2	7.1	11.9	7.0	10.9	6.5	9.7	5.8	8.4	5.0	7.6	4.5	6.7	4.0	6.4	3.8
SW	6.6	3.8	6.6	3.8	6.5	3.7	6.5	3.7	6.4	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.3	3.5	6.5	3.6	6.9	3.9	8.2	4.7	9.0	5.2	9.6	5.6	10.1	6.0	11.4	6.7	12.5	7.2	13.1	7.6	13.0	7.5	12.3	7.0	10.8	6.2	9.4	5.5	7.9	4.6	6.8	4.0
W	6.5	3.8	6.5	3.7	6.4	3.6	6.3	3.6	6.3	3.5	6.3	3.5	6.3	3.5	6.2	3.5	6.2	3.4	6.4	3.6	6.8	3.9	8.1	4.6	8.9	5.1	9.5	5.5	10.0	5.9	10.2	6.1	10.9	6.4	12.1	7.1	12.7	7.3	12.5	7.2	11.4	6.5	10.2	5.8	8.6	4.9	6.7	3.9
NW	5.5	3.3	5.4	3.2	5.4	3.1	5.3	3.1	5.3	3.0	5.2	3.0	5.2	3.0	5.2	3.0	5.2	2.9	5.3	3.0	5.8	3.3	7.1	4.1	7.9	4.6	8.5	5.0	8.9	5.4	9.2	5.6	9.2	5.6	9.2	5.6	9.8	5.9	10.0	5.9	9.5	5.6	8.7	5.1	7.4	4.3	5.7	3.4
W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																																
N	5.9	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.5	5.8	3.5	5.9	3.6	6.0	3.6	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.6	5.9	3.6
NE	6.2	3.7	6.1	3.7	6.1	3.7	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.1	3.7	6.2	3.7	6.4	3.8	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.3	3.8	6.3	3.8
E	7.2	4.2	7.1	4.2	7.0	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.2	7.2	4.2	7.5	4.4	7.6	4.4	7.5	4.4	7.4	4.4	7.4	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.2	4.3
SE	7.1	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.1	7.2	4.2	7.5	4.4	7.6	4.4	7.6	4.5	7.6	4.4	7.5	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.2	4.3
S	7.9	4.6	7.8	4.6	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.9	4.6	8.1	4.7	8.2	4.7	8.3	4.8	8.4	4.8	8.4	4.9	8.3	4.8	8.2	4.8	8.1	4.7	8.0	4.7
SW	8.7	5.0	8.5	4.9	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.5	4.9	8.6	4.9	8.7	5.0	8.7	5.0	8.8	5.1	8.9	5.1	9.0	5.2	9.0	5.2	8.9	5.1	8.8	5.0
W	8.6	4.9	8.4	4.8	8.2	4.8	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.3	4.7	8.4	4.8	8.5	4.9	8.5	4.9	8.6	4.9	8.6	5.0	8.6	5.0	8.8	5.1	8.8	5.1	8.8	5.1	8.7	5.0
NW	7.2	4.3	7.1	4.2	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	7.0	4.1	7.1	4.2	7.2	4.2	7.2	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.4	4.3	7.3	4.3
W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																																
N	5.7	3.5	5.5	3.4	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.2	5.4	3.2	5.4	3.2	5.4	3.2	5.3	3.2	5.4	3.3	5.5	3.3	5.9	3.6	6.1	3.7	6.3	3.8	6.5	3.9	6.5	4.0	6.5	4.0	6.5	4.0	6.4	3.9	6.3	3.8	6.1	3.7	5.9	3.6
NE	5.9	3.6	5.8	3.5	5.8	3.5	5.8	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.9	3.5	6.4	3.8	6.9	4.1	6.9	4.1	6.8	4.1	6.9	4.2	6.9	4.2	6.9	4.2	6.8	4.1	6.6	4.0	6.4	3.9	6.2	3.8
E	6.9	4.1	6.8	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.7	3.9	6.8	4.0	7.3	4.3	8.2	4.7	8.3	4.8	8.3	4.8	8.0	4.7	7.8	4.6	7.8	4.7	7.7	4.6	7.5	4.5	7.3	4.4	7.1	4.2
SE	6.8	4.1	6.7	4.0	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.9	6.8	4.0	7.3	4.2	8.0	4.7	8.3	4.9	8.5	4.9	8.4	4.9	8.1	4.8	7.8	4.6	7.7	4.6	7.5	4.5	7.3	4.3	7.1	4.2
S	7.6	4.4	7.5	4.4	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.2	7.4	4.2	7.4	4.2	7.4	4.2	7.3	4.2	7.4	4.3	7.5	4.3	7.9	4.6	8.3	4.8	8.7	5.0	9.0	5.2	9.2	5.3	9.2	5.3	9.1	5.3	8.8	5.2	8.5	5.0	8.1	4.7	7.8	4.6
SW	8.4	4.8	8.1	4.6	8.0	4.6	8.0	4.6	8.0	4.6	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	8.0	4.5	8.1	4.6	8.5	4.8	8.7	5.0	8.9	5.1	9.0	5.2	9.4	5.4	9.7	5.6	9.9	5.7	9.9	5.7	9.7	5.5	9.2	5.3	8.8	5.1
W	8.5	4.9	7.9	4.6	7.9	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.4	7.8	4.4	7.8	4.4	7.8	4.4	7.8	4.5	7.9	4.6	8.3	4.8	8.6	4.9	8.7	5.0	8.9	5.2	8.9	5.2	9.1	5.3	9.5	5.5	9.7	5.6	9.6	5.5	9.3	5.3	8.9	5.1
NW	7.2	4.2	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.6	3.8	6.7	3.9	7.1	4.1	7.3	4.3	7.5	4.4	7.6	4.5	7.7	4.6	7.7	4.6	7.7	4.6	7.9	4.7	8.0	4.7	7.8	4.6	7.6	4.4
W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																																
N	5.8	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.8	3.5	5.9	3.6	5.9	3.6	6.0	3.6	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.6	5.9	3.6	5.9	3.6
NE	6.2	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.6	6.1	3.6	6.1	3.6	6.1	3.6	6.1	3.6	6.0	3.6	6.1	3.6	6.1	3.7	6.2	3.7	6.4	3.8	6.4	3.8	6.3	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.3	3.8	6.3	3.8	6.2	3.8
E	7.2	4.2	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.1	7.1	4.2	7.2	4.2	7.4	4.4	7.5	4.4	7.5	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.2	4.3
SE	7.2	4.2	7.1	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.2	7.2	4.2	7.4	4.3	7.5	4.4	7.5	4.4	7.5	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.3	4.3	7.2	4.3
S	7.9	4.6	7.9	4.6	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.9	4.6	8.1	4.7	8.2	4.7	8.2	4.8	8.3	4.8	8.3	4.8	8.3	4.8	8.2	4.8	8.1	4.7	8.0	4.7
SW	8.6	5.0	8.5	4.9	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.5	4.9	8.6	4.9	8.6	5.0	8.7	5.0	8.8	5.1	8.9	5.1	8.9	5.1	8.9	5.1	8.9	5.1	8.7	5.0
W	8.6	4.9	8.4	4.8	8.3	4.8	8.3	4.8	8.3	4.8	8.3	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.3	4.7	8.3	4.8	8.4	4.8	8.4	4.9	8.5	4.9	8.5	4.9	8.6	4.9	8.6	5.0	8.7	5.0	8.7	5.0	8.7	5.0	8.6	5.0
NW	7.2	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	7.0	4.1	7.1	4.2	7.1	4.2	7.2	4.2	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.3	4.3	7.3	4.3	7.3	4.3
R2 - 12cm Concrete+2 cm plaster																																																
R	3.0	-0.2	2.9	-0.3	2.7	-0.5	2.7	-0.5	2.7	-0.5	2.7	-0.5	2.5	-0.6	3.1	-0.3	4.4	0.5	9.0	3.1	14.7	6.1	18.4	8.2	21.3	9.9	22.9	10.9	23.3	11.1	22.3	10.7	19.8	9.3	16.4	7.5	12.3	5.2	8.6	3.2	5.1	1.2	3.7	0.4	3.2	0.0	3.1	-0.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SİVAS (39.45)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.1	3.2	5.0	3.1	5.0	3.0	4.9	3.0	4.9	3.0	4.9	2.9	4.9	2.9	4.9	2.9	4.9	2.9	4.8	2.9	4.9	3.0	5.2	3.1	6.0	3.6	6.5	3.9	6.8	4.1	7.1	4.4	7.3	4.5	7.3	4.5	7.3	4.5	7.1	4.4	6.7	4.2	6.3	3.9	6.1	3.7	5.7	3.5
NE	5.5	3.3	5.3	3.2	5.3	3.2	5.3	3.2	5.2	3.1	5.2	3.1	5.2	3.1	5.2	3.1	5.2	3.1	5.1	3.0	5.3	3.1	5.6	3.3	6.5	3.9	7.6	4.5	7.7	4.6	7.4	4.5	7.6	4.6	7.6	4.6	7.6	4.7	7.4	4.5	7.1	4.3	6.7	4.1	6.2	3.8	5.7	3.5
E	6.3	3.8	6.2	3.7	6.2	3.6	6.1	3.6	6.1	3.6	6.1	3.5	6.0	3.5	6.1	3.5	6.0	3.5	6.0	3.5	6.1	3.6	6.4	3.7	7.5	4.4	9.2	5.3	9.5	5.5	9.4	5.5	8.8	5.3	8.4	5.1	8.5	5.1	8.2	5.0	7.9	4.8	7.5	4.5	7.0	4.2	6.5	3.9
SE	6.3	3.7	6.1	3.6	6.1	3.6	6.1	3.5	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	5.9	3.4	6.1	3.5	6.3	3.7	7.3	4.3	9.0	5.1	9.6	5.5	9.8	5.7	9.6	5.6	9.1	5.4	8.4	5.1	8.2	4.9	7.8	4.7	7.4	4.5	7.0	4.2	6.5	3.9
S	7.0	4.1	6.9	4.0	6.8	4.0	6.8	3.9	6.8	3.9	6.7	3.9	6.7	3.8	6.7	3.8	6.7	3.8	6.7	3.8	6.8	3.9	7.1	4.1	7.8	4.5	8.7	5.0	9.5	5.5	10.1	5.9	10.5	6.1	10.5	6.1	10.3	6.1	9.8	5.7	9.0	5.3	8.3	4.9	7.7	4.5	7.2	4.2
SW	7.5	4.4	7.4	4.3	7.4	4.2	7.3	4.2	7.3	4.1	7.3	4.1	7.2	4.1	7.2	4.1	7.2	4.1	7.2	4.1	7.3	4.1	7.6	4.3	8.3	4.8	8.8	5.1	9.2	5.3	9.5	5.6	10.3	6.0	10.9	6.3	11.3	6.6	11.3	6.5	10.8	6.2	9.9	5.7	9.1	5.2	8.2	4.7
W	7.4	4.3	7.3	4.2	7.2	4.2	7.2	4.1	7.2	4.1	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.2	4.1	7.4	4.2	8.2	4.7	8.7	5.0	9.1	5.3	9.4	5.5	9.5	5.6	9.9	5.8	10.7	6.2	11.0	6.4	10.9	6.3	10.2	5.9	9.5	5.5	8.5	4.9
NW	6.2	3.7	6.1	3.6	6.1	3.6	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	6.0	3.5	5.9	3.5	5.9	3.4	6.0	3.5	6.3	3.7	7.1	4.1	7.6	4.4	7.9	4.7	8.2	4.9	8.4	5.0	8.4	5.0	8.4	5.1	8.7	5.2	8.9	5.2	8.5	5.0	8.1	4.7	7.3	4.3
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	5.8	3.5	5.6	3.4	5.6	3.4	5.6	3.4	5.5	3.4	5.5	3.4	5.5	3.3	5.5	3.3	5.5	3.3	5.5	3.3	5.5	3.3	5.5	3.4	5.6	3.4	5.9	3.6	6.0	3.7	6.1	3.7	6.2	3.8	6.3	3.8	6.3	3.8	6.3	3.9	6.2	3.8	6.1	3.7	6.0	3.7	5.9	3.6
NE	6.0	3.6	5.9	3.6	5.9	3.6	5.9	3.6	5.9	3.5	5.9	3.5	5.9	3.5	5.9	3.5	5.9	3.5	5.9	3.5	5.8	3.5	5.9	3.5	6.0	3.6	6.3	3.8	6.7	4.0	6.7	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.5	3.9	6.3	3.8	6.2	3.7
E	7.0	4.1	6.9	4.1	6.9	4.0	6.9	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.9	4.0	6.9	4.1	7.3	4.3	7.8	4.6	7.9	4.6	7.9	4.6	7.7	4.6	7.6	4.5	7.6	4.5	7.5	4.5	7.4	4.4	7.3	4.3	7.1	4.2
SE	7.0	4.1	6.9	4.1	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.8	4.0	6.9	4.1	7.2	4.2	7.8	4.5	8.0	4.6	8.0	4.7	8.0	4.7	7.8	4.6	7.6	4.5	7.5	4.5	7.4	4.4	7.3	4.3	7.1	4.2
S	7.7	4.5	7.7	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.6	4.4	7.5	4.4	7.6	4.4	7.7	4.4	7.9	4.6	8.2	4.7	8.4	4.9	8.7	5.0	8.8	5.1	8.8	5.1	8.7	5.1	8.5	5.0	8.3	4.8	8.1	4.7	7.9	4.6
SW	8.4	4.9	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.1	4.7	8.1	4.7	8.1	4.7	8.1	4.7	8.1	4.6	8.2	4.7	8.2	4.7	8.5	4.9	8.7	5.0	8.8	5.1	8.9	5.1	9.1	5.3	9.3	5.4	9.5	5.4	9.4	5.4	9.3	5.3	9.0	5.2	8.7	5.0
W	8.4	4.9	8.1	4.7	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.1	4.6	8.3	4.8	8.5	4.9	8.6	5.0	8.7	5.0	8.8	5.1	8.9	5.2	9.1	5.3	9.2	5.3	9.2	5.3	9.0	5.2	8.8	5.0
NW	7.1	4.2	6.8	4.0	6.8	4.0	6.8	4.0	6.7	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	4.0	6.8	4.0	7.1	4.2	7.2	4.3	7.3	4.3	7.4	4.4	7.5	4.4	7.5	4.4	7.5	4.5	7.6	4.5	7.7	4.5	7.5	4.4	7.4	4.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	5.7	3.5	5.5	3.4	5.5	3.3	5.5	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.6	3.4	5.9	3.6	6.1	3.7	6.3	3.8	6.4	3.9	6.4	3.9	6.4	4.0	6.5	4.0	6.4	3.9	6.2	3.8	6.0	3.7	5.9	3.6
NE	6.0	3.6	5.9	3.6	5.8	3.5	5.8	3.5	5.8	3.5	5.8	3.5	5.8	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.8	3.5	5.9	3.5	6.3	3.8	6.8	4.1	6.8	4.1	6.7	4.1	6.8	4.1	6.8	4.1	6.8	4.1	6.7	4.1	6.6	4.0	6.4	3.9	6.2	3.8
E	6.9	4.1	6.8	4.0	6.8	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.9	4.0	7.3	4.3	8.1	4.7	8.2	4.8	8.1	4.8	7.9	4.7	7.7	4.6	7.7	4.6	7.6	4.5	7.5	4.5	7.3	4.4	7.1	4.2
SE	6.9	4.1	6.8	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.7	3.9	6.6	3.9	6.7	3.9	6.8	4.0	7.3	4.2	8.0	4.6	8.2	4.8	8.3	4.9	8.2	4.8	8.0	4.7	7.7	4.6	7.6	4.5	7.5	4.4	7.3	4.3	7.1	4.2
S	7.6	4.5	7.5	4.4	7.5	4.3	7.5	4.3	7.5	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.6	4.4	7.9	4.6	8.3	4.8	8.6	5.0	8.9	5.2	9.1	5.3	9.1	5.3	9.0	5.2	8.8	5.1	8.4	4.9	8.1	4.7	7.9	4.6
SW	8.4	4.8	8.1	4.7	8.1	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.5	8.0	4.6	8.1	4.7	8.5	4.9	8.7	5.0	8.8	5.1	9.0	5.2	9.3	5.4	9.6	5.5	9.8	5.6	9.7	5.6	9.5	5.5	9.2	5.3	8.8	5.1
W	8.5	4.9	8.0	4.6	7.9	4.6	7.9	4.5	7.9	4.5	7.9	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.9	4.5	8.0	4.6	8.3	4.8	8.5	4.9	8.7	5.0	8.8	5.1	8.9	5.2	9.1	5.3	9.4	5.4	9.5	5.5	9.5	5.5	9.2	5.3	8.9	5.1
NW	7.2	4.2	6.7	4.0	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.9	6.7	4.0	7.1	4.2	7.3	4.3	7.4	4.4	7.6	4.5	7.6	4.5	7.6	4.5	7.6	4.6	7.8	4.6	7.9	4.6	7.7	4.5	7.5	4.4
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	5.7	3.5	5.5	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.4	3.2	5.5	3.3	5.9	3.6	6.2	3.7	6.3	3.9	6.5	4.0	6.6	4.0	6.6	4.0	6.6	4.1	6.5	4.0	6.3	3.9	6.1	3.7	5.9	3.6
NE	5.9	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.6	3.4	5.7	3.4	5.9	3.5	6.4	3.8	6.9	4.1	7.0	4.2	6.8	4.1	6.9	4.2	6.9	4.2	6.9	4.2	6.8	4.1	6.6	4.0	6.4	3.9	6.2	3.8
E	6.9	4.1	6.7	4.0	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.9	6.6	3.8	6.6	3.8	6.6	3.9	6.8	4.0	7.4	4.3	8.3	4.8	8.4	4.9	8.3	4.9	8.0	4.8	7.8	4.7	7.8	4.7	7.7	4.6	7.6	4.5	7.4	4.4	7.1	4.2
SE	6.8	4.0	6.7	4.0	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.8	6.6	3.8	6.5	3.8	6.5	3.8	6.6	3.9	6.7	3.9	7.3	4.2	8.1	4.7	8.4	4.9	8.5	5.0	8.4	5.0	8.2	4.8	7.8	4.7	7.7	4.6	7.5	4.5	7.3	4.4	7.1	4.2
S	7.6	4.4	7.5	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.5	4.3	7.9	4.6	8.3	4.8	8.7	5.1	9.1	5.3	9.3	5.4	9.3	5.4	9.2	5.4	8.9	5.2	8.5	5.0	8.1	4.8	7.8	4.6
SW	8.4	4.8	8.0	4.6	8.0	4.6	7.9	4.6	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	8.0	4.6	8.5	4.8	8.7	5.0	8.9	5.1	9.1	5.3	9.5	5.5	9.8	5.7	10.0	5.8	10.0	5.7	9.7	5.6	9.3	5.3	8.8	5.1
W	8.5	4.9	7.9	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.8	4.4	7.9	4.5	8.3	4.8	8.6	4.9	8.8	5.1	8.9	5.2	9.0	5.2	9.2	5.3	9.6	5.6	9.8	5.6	9.7	5.6	9.3	5.4	9.0	5.2
NW	7.2	4.2	6.6	3.9	6.6	3.9	6.6	3.9	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.7	3.9	7.1	4.1	7.3	4.3	7.5	4.4	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.9	4.7	8.0	4.7	7.8	4.6	7.6	4.5
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	9.1	3.2	9.1	3.2	9.1	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.2	9.0	3.1	9.1	3.2	9.2	3.2	9.6	3.5	10.1	3.7	10.4	3.9	10.6	4.0	10.8	4.1	10.8	4.1	10.7	4.1	10.5	4.0	10.2	3.8	9.8	3.6	9.5	3.5	9.2	3.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:SİVAS (39.45)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	5.7	3.5	5.5	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.3	3.2	5.4	3.2	5.5	3.3	5.9	3.6	6.2	3.7	6.3	3.9	6.5	4.0	6.6	4.0	6.6	4.0	6.6	4.1	6.5	4.0	6.3	3.9	6.1	3.7	5.9	3.6
NE	5.9	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.6	3.4	5.7	3.4	5.9	3.5	6.4	3.8	6.9	4.1	7.0	4.2	6.8	4.1	6.9	4.2	6.9	4.2	6.9	4.2	6.8	4.1	6.6	4.0	6.4	3.9	6.2	3.8
E	6.9	4.1	6.7	4.0	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.9	6.6	3.8	6.6	3.8	6.6	3.9	6.8	4.0	7.4	4.3	8.3	4.8	8.4	4.9	8.3	4.9	8.0	4.8	7.8	4.7	7.8	4.7	7.7	4.6	7.6	4.5	7.4	4.4	7.1	4.2
SE	6.8	4.0	6.7	4.0	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.8	6.6	3.8	6.5	3.8	6.5	3.8	6.6	3.9	6.7	3.9	7.3	4.2	8.1	4.7	8.4	4.9	8.5	5.0	8.4	5.0	8.2	4.8	7.8	4.7	7.7	4.6	7.5	4.5	7.3	4.4	7.1	4.2
S	7.6	4.4	7.5	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.3	4.2	7.5	4.3	7.9	4.6	8.3	4.8	8.7	5.1	9.1	5.3	9.3	5.4	9.3	5.4	9.2	5.4	8.9	5.2	8.5	5.0	8.1	4.8	7.8	4.6
SW	8.4	4.8	8.0	4.6	8.0	4.6	7.9	4.6	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	8.0	4.6	8.5	4.8	8.7	5.0	8.9	5.1	9.1	5.3	9.5	5.5	9.8	5.7	10.0	5.8	10.0	5.7	9.7	5.6	9.3	5.3	8.8	5.1
W	8.5	4.9	7.9	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.7	4.4	7.8	4.4	7.9	4.5	8.3	4.8	8.6	4.9	8.8	5.1	8.9	5.2	9.0	5.2	9.2	5.3	9.6	5.6	9.8	5.6	9.7	5.6	9.3	5.4	9.0	5.2
NW	7.2	4.2	6.6	3.9	6.6	3.9	6.6	3.9	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.7	3.9	7.1	4.1	7.3	4.3	7.5	4.4	7.7	4.6	7.7	4.6	7.7	4.6	7.7	4.6	7.9	4.7	8.0	4.7	7.8	4.6	7.6	4.5

W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	5.9	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.5	5.8	3.5	5.9	3.6	6.0	3.6	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.6	5.9	3.6
NE	6.2	3.7	6.1	3.7	6.1	3.7	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.0	3.6	6.1	3.7	6.2	3.7	6.4	3.8	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.4	3.9	6.3	3.8	6.3	3.8
E	7.2	4.2	7.1	4.2	7.0	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.2	7.2	4.2	7.5	4.4	7.6	4.4	7.5	4.4	7.4	4.4	7.4	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.2	4.3
SE	7.1	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.1	7.2	4.2	7.5	4.4	7.6	4.4	7.6	4.5	7.6	4.4	7.5	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.2	4.3
S	7.9	4.6	7.8	4.6	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.9	4.6	8.1	4.7	8.2	4.7	8.3	4.8	8.4	4.8	8.4	4.9	8.3	4.8	8.2	4.8	8.1	4.7	8.0	4.7
SW	8.7	5.0	8.5	4.9	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.5	4.9	8.6	4.9	8.7	5.0	8.7	5.0	8.8	5.1	8.9	5.1	9.0	5.2	9.0	5.2	8.9	5.1	8.8	5.0
W	8.6	4.9	8.4	4.8	8.2	4.8	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.3	4.7	8.4	4.8	8.5	4.9	8.5	4.9	8.6	4.9	8.6	5.0	8.6	5.0	8.8	5.1	8.8	5.1	8.8	5.1	8.7	5.0
NW	7.2	4.3	7.1	4.2	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	7.0	4.1	7.1	4.2	7.2	4.2	7.2	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.4	4.3	7.3	4.3

W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	5.7	3.5	5.5	3.4	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.3	5.4	3.2	5.4	3.2	5.4	3.2	5.4	3.2	5.3	3.2	5.4	3.3	5.5	3.3	5.9	3.6	6.1	3.7	6.3	3.8	6.5	3.9	6.5	4.0	6.5	4.0	6.5	4.0	6.4	3.9	6.3	3.8	6.1	3.7	5.9	3.6
NE	5.9	3.6	5.8	3.5	5.8	3.5	5.8	3.5	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.7	3.4	5.9	3.5	6.4	3.8	6.9	4.1	6.9	4.1	6.8	4.1	6.9	4.2	6.9	4.2	6.9	4.2	6.8	4.1	6.6	4.0	6.4	3.9	6.2	3.8
E	6.9	4.1	6.8	4.0	6.7	4.0	6.7	3.9	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.7	3.9	6.8	4.0	7.3	4.3	8.2	4.7	8.3	4.8	8.3	4.8	8.0	4.7	7.8	4.6	7.8	4.7	7.7	4.6	7.5	4.5	7.3	4.4	7.1	4.2
SE	6.8	4.1	6.7	4.0	6.7	3.9	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.8	6.6	3.9	6.8	4.0	7.3	4.2	8.0	4.7	8.3	4.9	8.5	4.9	8.4	4.9	8.1	4.8	7.8	4.6	7.7	4.6	7.5	4.5	7.3	4.3	7.1	4.2
S	7.6	4.4	7.5	4.4	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.3	7.4	4.2	7.4	4.2	7.4	4.2	7.4	4.2	7.3	4.2	7.4	4.3	7.5	4.3	7.9	4.6	8.3	4.8	8.7	5.0	9.0	5.2	9.2	5.3	9.2	5.3	9.1	5.3	8.8	5.2	8.5	5.0	8.1	4.7	7.8	4.6
SW	8.4	4.8	8.1	4.6	8.0	4.6	8.0	4.6	8.0	4.6	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	7.9	4.5	8.0	4.5	8.1	4.6	8.5	4.8	8.7	5.0	8.9	5.1	9.0	5.2	9.4	5.4	9.7	5.6	9.9	5.7	9.9	5.7	9.7	5.5	9.2	5.3	8.8	5.1
W	8.5	4.9	7.9	4.6	7.9	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.4	7.8	4.4	7.8	4.4	7.8	4.4	7.8	4.5	7.9	4.6	8.3	4.8	8.6	4.9	8.7	5.0	8.9	5.2	8.9	5.2	9.1	5.3	9.5	5.5	9.7	5.6	9.6	5.5	9.3	5.3	8.9	5.1
NW	7.2	4.2	6.7	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.6	3.9	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.5	3.8	6.6	3.8	6.7	3.9	7.1	4.1	7.3	4.3	7.5	4.4	7.6	4.5	7.7	4.6	7.7	4.6	7.7	4.6	7.9	4.7	8.0	4.7	7.8	4.6	7.6	4.4

W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
N	5.8	3.6	5.8	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.7	3.5	5.8	3.5	5.9	3.6	5.9	3.6	6.0	3.6	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.6	5.9	3.6	5.9	3.6
NE	6.2	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.7	6.1	3.6	6.1	3.6	6.1	3.6	6.1	3.6	6.1	3.6	6.0	3.6	6.1	3.6	6.1	3.7	6.2	3.7	6.4	3.8	6.4	3.8	6.3	3.8	6.4	3.8	6.4	3.8	6.4	3.8	6.3	3.8	6.3	3.8	6.2	3.8
E	7.2	4.2	7.1	4.2	7.1	4.2	7.1	4.2	7.1	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.1	7.1	4.2	7.2	4.2	7.4	4.4	7.5	4.4	7.5	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.3	4.3	7.3	4.3	7.2	4.3
SE	7.2	4.2	7.1	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.0	4.1	7.1	4.2	7.2	4.2	7.4	4.3	7.5	4.4	7.5	4.4	7.5	4.4	7.4	4.4	7.3	4.3	7.3	4.3	7.3	4.3	7.2	4.3
S	7.9	4.6	7.9	4.6	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.8	4.5	7.9	4.6	8.1	4.7	8.2	4.7	8.2	4.8	8.3	4.8	8.3	4.8	8.3	4.8	8.2	4.8	8.1	4.7	8.0	4.7
SW	8.6	5.0	8.5	4.9	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.4	4.8	8.5	4.9	8.6	4.9	8.6	5.0	8.7	5.0	8.8	5.1	8.9	5.1	8.9	5.1	8.9	5.1	8.9	5.1	8.7	5.0
W	8.6	4.9	8.4	4.8	8.3	4.8	8.3	4.8	8.3	4.8	8.3	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.2	4.7	8.3	4.7	8.3	4.8	8.4	4.8	8.4	4.9	8.5	4.9	8.5	4.9	8.6	4.9	8.6	5.0	8.7	5.0	8.7	5.0	8.7	5.0	8.6	5.0
NW	7.2	4.2	7.1	4.2	7.0	4.1	7.0	4.1	7.0	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	6.9	4.1	7.0	4.1	7.1	4.2	7.1	4.2	7.2	4.2	7.2	4.3	7.2	4.3	7.2	4.3	7.2	4.3	7.3	4.3	7.3	4.3	7.3	4.3

R2 - 12cm Concrete+2 cm plaster

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
R	3.0	-0.2	2.9	-0.3	2.7	-0.5	2.7	-0.5	2.7	-0.5	2.7	-0.5	2.5	-0.6	3.1	-0.3	4.4	0.5	9.0	3.1	14.7	6.1	18.4	8.2	21.3	9.9	22.9	10.9	23.3	11.1	22.3	10.7	19.8	9.3	16.4	7.5	12.3	5.2	8.6	3.2	5.1	1.2	3.7	0.4	3.2	0.0	3.1	-0.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:ŞANLIURFA (37.08)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	15.9	13.6	15.7	13.4	15.5	13.3	15.4	13.2	15.3	13.0	15.1	12.8	15.0	12.7	14.9	12.6	14.8	12.6	14.8	12.5	14.9	12.6	15.8	13.1	16.5	13.7	17.0	14.2	17.6	14.6	18.0	14.9	18.2	15.1	18.4	15.3	18.3	15.3	18.1	15.2	17.9	15.0	17.7	14.9	17.6	14.8	17.3	14.4
NE	16.7	14.0	16.5	13.8	16.4	13.7	16.3	13.6	16.1	13.5	15.9	13.3	15.8	13.1	15.7	13.1	15.7	13.0	15.6	12.9	15.8	13.0	17.0	13.8	19.0	15.0	19.5	15.4	19.5	15.6	19.1	15.5	19.1	15.6	19.3	15.7	19.2	15.7	19.0	15.6	18.7	15.5	18.3	15.2	17.8	14.9	17.2	14.4
E	17.8	14.6	17.5	14.4	17.4	14.2	17.3	14.1	17.2	14.0	17.0	13.8	16.9	13.7	16.8	13.6	16.7	13.5	16.6	13.4	16.8	13.5	18.1	14.3	20.6	15.8	21.5	16.4	21.6	16.6	21.2	16.5	20.6	16.3	20.3	16.2	20.2	16.2	20.0	16.1	19.8	16.0	19.4	15.7	18.9	15.4	18.2	14.9
SE	17.8	14.6	17.6	14.4	17.4	14.2	17.3	14.1	17.2	14.0	17.0	13.8	16.9	13.7	16.8	13.6	16.8	13.6	16.7	13.5	16.8	13.5	17.9	14.2	19.8	15.4	20.9	16.1	21.4	16.5	21.4	16.6	21.2	16.6	20.7	16.4	20.2	16.2	20.1	16.1	19.8	16.0	19.4	15.7	18.9	15.4	18.3	14.9
S	16.7	14.0	16.5	13.8	16.3	13.7	16.2	13.6	16.1	13.4	15.9	13.2	15.8	13.1	15.7	13.0	15.6	13.0	15.6	12.9	15.7	13.0	16.4	13.5	17.1	14.0	18.0	14.7	19.0	15.3	19.6	15.7	20.0	16.0	20.2	16.2	20.0	16.1	19.5	15.9	18.9	15.5	18.3	15.2	17.8	14.8	17.1	14.4
SW	18.2	14.8	18.0	14.6	17.8	14.4	17.7	14.3	17.6	14.2	17.4	14.0	17.3	13.9	17.2	13.8	17.1	13.7	17.1	13.7	17.2	13.7	17.9	14.2	18.6	14.8	19.3	15.3	19.9	15.7	20.3	16.1	20.9	16.5	21.7	16.9	22.1	17.1	22.3	17.3	22.1	17.2	21.6	16.8	20.9	16.4	19.7	15.6
W	19.0	15.2	18.8	15.0	18.7	14.8	18.5	14.7	18.4	14.6	18.2	14.4	18.1	14.3	18.0	14.2	18.0	14.2	17.9	14.1	18.0	14.1	18.7	14.6	19.5	15.2	20.1	15.7	20.7	16.2	21.1	16.5	21.4	16.7	21.9	17.1	22.7	17.5	23.3	17.8	23.6	17.9	23.4	17.7	23.0	17.4	21.8	16.7
NW	17.9	14.6	17.7	14.4	17.5	14.3	17.4	14.2	17.3	14.0	17.1	13.8	17.0	13.7	16.9	13.6	16.8	13.6	16.8	13.5	16.9	13.6	17.6	14.1	18.3	14.6	19.0	15.2	19.6	15.6	20.0	15.9	20.2	16.1	20.4	16.3	20.6	16.4	21.2	16.7	21.6	16.9	21.6	16.8	21.5	16.7	20.6	16.1
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	16.7	14.1	16.3	13.8	16.2	13.7	16.2	13.7	16.1	13.6	16.1	13.6	16.0	13.5	16.0	13.5	16.0	13.5	16.0	13.5	15.9	13.4	16.0	13.5	16.3	13.6	16.5	13.8	16.7	14.0	16.8	14.1	17.0	14.2	17.1	14.3	17.1	14.3	17.1	14.3	17.0	14.3	16.9	14.2	16.9	14.2	16.9	14.2
NE	17.4	14.4	17.2	14.3	17.2	14.2	17.1	14.2	17.1	14.1	17.0	14.1	17.0	14.0	16.9	14.0	16.9	13.9	16.9	13.9	16.9	13.9	16.9	13.9	17.3	14.2	18.0	14.6	18.1	14.7	18.1	14.7	18.0	14.7	18.0	14.8	18.1	14.8	18.0	14.8	18.0	14.8	17.9	14.7	17.8	14.6	17.6	14.5
E	18.5	15.0	18.4	14.8	18.3	14.8	18.3	14.7	18.2	14.7	18.2	14.6	18.1	14.6	18.1	14.5	18.1	14.5	18.1	14.5	18.0	14.5	18.1	14.5	18.5	14.8	19.3	15.2	19.6	15.4	19.6	15.5	19.5	15.5	19.3	15.4	19.2	15.4	19.2	15.4	19.1	15.3	19.0	15.3	18.9	15.2	18.7	15.1
SE	18.5	15.0	18.4	14.8	18.3	14.8	18.3	14.7	18.2	14.7	18.2	14.7	18.1	14.6	18.1	14.6	18.1	14.5	18.1	14.5	18.0	14.5	18.1	14.5	18.4	14.7	19.0	15.1	19.4	15.3	19.6	15.5	19.6	15.5	19.5	15.5	19.3	15.4	19.2	15.4	19.1	15.3	19.0	15.3	18.9	15.2	18.8	15.1
S	17.3	14.4	17.2	14.2	17.1	14.2	17.1	14.1	17.0	14.1	17.0	14.0	16.9	14.0	16.9	13.9	16.9	13.9	16.8	13.9	16.8	13.9	16.9	13.9	17.1	14.1	17.3	14.2	17.6	14.4	17.9	14.6	18.1	14.8	18.3	14.9	18.3	14.9	18.2	14.9	18.1	14.8	17.9	14.7	17.7	14.6	17.5	14.5
SW	19.3	15.3	18.8	15.1	18.8	15.0	18.7	15.0	18.7	14.9	18.6	14.9	18.6	14.8	18.5	14.8	18.5	14.7	18.5	14.7	18.5	14.7	18.5	14.7	18.8	14.9	19.0	15.1	19.2	15.2	19.4	15.4	19.5	15.5	19.7	15.6	20.0	15.8	20.1	15.8	20.2	15.9	20.1	15.8	19.9	15.7	19.7	15.6
W	20.7	16.0	19.8	15.5	19.7	15.5	19.6	15.4	19.6	15.4	19.6	15.3	19.5	15.3	19.5	15.2	19.4	15.2	19.4	15.2	19.4	15.2	19.4	15.2	19.7	15.3	19.9	15.5	20.1	15.7	20.3	15.8	20.4	15.9	20.5	16.0	20.7	16.1	20.9	16.3	21.2	16.4	21.2	16.4	21.2	16.3	21.0	16.3
NW	19.4	15.4	18.5	14.9	18.4	14.8	18.4	14.8	18.4	14.8	18.3	14.7	18.3	14.6	18.2	14.6	18.2	14.6	18.2	14.6	18.1	14.5	18.2	14.6	18.4	14.7	18.7	14.9	18.9	15.1	19.1	15.2	19.2	15.3	19.3	15.4	19.3	15.4	19.4	15.5	19.6	15.6	19.7	15.6	19.7	15.6	19.7	15.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	16.8	14.1	16.2	13.8	16.1	13.7	16.1	13.6	16.0	13.6	16.0	13.5	15.9	13.4	15.8	13.4	15.8	13.3	15.8	13.3	15.7	13.3	15.8	13.3	16.2	13.6	16.5	13.8	16.7	14.0	17.0	14.2	17.1	14.3	17.3	14.4	17.3	14.5	17.3	14.5	17.2	14.4	17.1	14.4	17.0	14.3	17.0	14.3
NE	17.4	14.4	17.2	14.2	17.1	14.1	17.0	14.1	17.0	14.0	16.9	14.0	16.8	13.9	16.8	13.8	16.7	13.8	16.7	13.8	16.7	13.7	16.8	13.8	17.3	14.1	18.2	14.6	18.4	14.8	18.3	14.9	18.2	14.9	18.2	14.9	18.3	15.0	18.2	14.9	18.1	14.9	18.0	14.8	17.9	14.7	17.6	14.6
E	18.5	14.9	18.3	14.8	18.2	14.7	18.1	14.6	18.1	14.6	18.0	14.5	17.9	14.4	17.9	14.4	17.8	14.4	17.8	14.3	17.8	14.3	17.9	14.3	18.4	14.7	19.5	15.3	19.9	15.6	19.9	15.7	19.8	15.6	19.5	15.5	19.4	15.5	19.3	15.5	19.3	15.5	19.2	15.4	19.0	15.3	18.8	15.2
SE	18.5	15.0	18.3	14.8	18.2	14.7	18.1	14.6	18.1	14.6	18.0	14.5	17.9	14.5	17.9	14.4	17.9	14.4	17.8	14.4	17.8	14.3	17.9	14.3	18.3	14.6	19.2	15.1	19.6	15.5	19.9	15.6	19.9	15.7	19.8	15.7	19.6	15.6	19.4	15.5	19.3	15.5	19.2	15.4	19.0	15.3	18.8	15.2
S	17.3	14.4	17.1	14.2	17.0	14.1	16.9	14.0	16.9	14.0	16.8	13.9	16.7	13.9	16.7	13.8	16.7	13.8	16.6	13.8	16.6	13.7	16.7	13.7	17.0	14.0	17.3	14.2	17.7	14.5	18.1	14.8	18.4	15.0	18.6	15.1	18.6	15.1	18.5	15.1	18.3	15.0	18.1	14.9	17.8	14.7	17.6	14.6
SW	19.4	15.4	18.7	15.0	18.6	14.9	18.6	14.9	18.5	14.8	18.5	14.8	18.4	14.7	18.3	14.6	18.3	14.6	18.3	14.6	18.2	14.5	18.3	14.6	18.6	14.8	18.9	15.0	19.2	15.2	19.5	15.4	19.6	15.6	19.9	15.8	20.2	16.0	20.4	16.1	20.5	16.1	20.5	16.1	20.2	15.9	19.9	15.7
W	20.9	16.1	19.6	15.5	19.5	15.4	19.5	15.3	19.4	15.3	19.4	15.2	19.3	15.1	19.2	15.1	19.2	15.0	19.2	15.0	19.1	15.0	19.2	15.0	19.5	15.2	19.8	15.5	20.1	15.7	20.4	15.9	20.5	16.0	20.7	16.1	20.9	16.3	21.2	16.5	21.5	16.6	21.6	16.6	21.5	16.6	21.4	16.5
NW	19.6	15.5	18.4	14.9	18.3	14.8	18.3	14.7	18.2	14.7	18.1	14.6	18.1	14.5	18.0	14.5	18.0	14.4	18.0	14.4	17.9	14.4	18.0	14.4	18.3	14.6	18.6	14.9	18.9	15.1	19.1	15.3	19.3	15.4	19.4	15.5	19.5	15.6	19.6	15.6	19.8	15.8	20.0	15.8	20.0	15.8	20.0	15.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	16.9	14.2	16.2	13.7	16.1	13.6	16.0	13.6	15.9	13.5	15.9	13.4	15.8	13.3	15.7	13.3	15.7	13.2	15.6	13.2	15.6	13.2	15.7	13.2	16.1	13.5	16.5	13.8	16.8	14.0	17.1	14.3	17.3	14.4	17.4	14.5	17.5	14.6	17.5	14.6	17.3	14.5	17.2	14.5	17.1	14.4	17.1	14.3
NE	17.3	14.4	17.1	14.2	17.0	14.1	16.9	14.0	16.8	14.0	16.8	13.9	16.7	13.8	16.6	13.7	16.6	13.7	16.6	13.7	16.5	13.6	16.6	13.7	17.2	14.0	18.3	14.7	18.5	14.9	18.5	15.0	18.3	15.0	18.3	15.0	18.4	15.1	18.4	15.1	18.3	15.0	18.1	14.9	17.9	14.8	17.7	14.6
E	18.4	14.9	18.2	14.8	18.1	14.6	18.0	14.6	18.0	14.5	17.9	14.4	17.8	14.3	17.7	14.3	17.7	14.2	17.7	14.2	17.6	14.2	17.7	14.2	18.4	14.6	19.7	15.4	20.1	15.7	20.2	15.8	20.0	15.8	19.7	15.7	19.5	15.6	19.5	15.6	19.4	15.6	19.3	15.5	19.0	15.4	18.8	15.2
SE	18.5	15.0	18.2	14.8	18.1	14.7	18.0	14.6	18.0	14.5	17.9	14.5	17.8	14.4	17.7	14.3	17.7	14.2	17.7	14.2	17.6	14.2	17.7	14.2	18.2	14.6	19.3	15.2	19.8	15.6	20.1	15.8	20.1	15.8	20.0	15.8	19.7	15.7	19.5	15.6	19.4	15.6	19.3	15.5	19.1	15.4	18.8	15.2
S	17.3	14.4	17.0	14.2	16.9	14.1	16.9	14.0	16.8	13.9	16.7	13.9	16.6	13.8	16.6	13.7	16.5	13.7	16.5	13.6	16.4	13.6	16.5	13.6	16.9	13.9	17.3	14.2	17.7	14.5	18.2	14.8	18.6	15.1	18.8	15.2	18.8	15.3	18.7	15.2	18.5	15.1	18.2	15.0	17.9	14.8	17.6	14.6
SW	19.4	15.4	18.6	15.0	18.5	14.9	18.5	14.8	18.4	14.7	18.3	14.7	18.2	14.6	18.2	14.5	18.1	14.5	18.1	14.4	18.1	14.4	18.1	14.4	18.5	14.7	18.9	15.0	19.2	15.3	19.5	15.5	19.7	15.7	20.1	15.9	20.5	16.1	20.7	16.2	20.8	16.3	20.7	16.2	20.4	16.1	20.0	15.8
W	21.0	16.2	19.5	15.4	19.4	15.3	19.4	15.2	19.3	15.2	19.2	15.1	19.1	15.0	19.1	15.0	19.0	14.9	19.0	14.9	19.0	14.8	19.0	14.9	19.4	15.1	19.8	15.4	20.1	15.7	20.4	15.9	20.6	16.1	20.8	16.2	21.1	16.4	21.5	16.6	21.8	16.8	21.9	16.8	21.8	16.8	21.6	16.6
NW	19.8	15.6	18.3	14.8	18.2	14.7	18.1	14.6	18.1	14.6	18.0	14.5	17.9	14.4	17.9	14.3	17.8	14.3	17.8	14.3	17.7	14.2	17.8	14.3	18.2	14.5	18.6	14.8	18.9	15.1	19.2	15.3	19.4	15.5	19.6	15.6	19.6	15.7	19.8	15.8	20.1	15.9	20.2	16.0	20.3	16.0	20.2	15.9
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	21.5	14.4	21.4	14.4	21.3	14.3	21.3	14.3	21.3	14.2	21.2	14.2	21.2	14.2	21.2	14.1	21.1	14.1	21.1	14.1	21.2	14.1	21.5	14.3	22.1	14.7	22.6	15.0	22.9	15.2	23.2	15.4	23.3	15.5	23.3	15.5	23.3	15.4	23.1	15.4	22.8	15.2	22.5	15.0	22.1	14.8	21.7	14.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:ŞANLIURFA (37.08)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	15.1	13.1	14.9	12.9	14.7	12.7	14.5	12.5	14.2	12.2	14.0	12.0	13.9	11.8	13.8	11.8	13.6	11.6	13.9	11.7	15.3	12.7	16.6	13.6	17.3	14.3	18.3	15.1	18.9	15.6	19.4	16.0	19.6	16.2	19.5	16.2	19.2	16.0	18.8	15.8	18.5	15.5	18.4	15.4	17.7	14.8	15.5	13.5
NE	15.9	13.5	15.7	13.3	15.5	13.1	15.3	12.9	14.9	12.5	14.8	12.4	14.6	12.2	14.6	12.2	14.4	12.0	14.7	12.2	16.7	13.4	20.0	15.3	20.8	16.1	20.8	16.3	20.2	16.2	20.1	16.3	20.4	16.6	20.3	16.5	20.0	16.4	19.6	16.2	18.9	15.7	18.1	15.2	17.0	14.4	16.3	13.8
E	16.8	14.0	16.6	13.7	16.4	13.6	16.2	13.3	15.9	13.0	15.7	12.8	15.5	12.7	15.5	12.6	15.3	12.5	15.7	12.6	17.7	13.9	21.9	16.3	23.2	17.3	23.4	17.6	22.8	17.5	21.8	17.2	21.3	17.0	21.2	17.0	20.9	16.8	20.5	16.6	19.8	16.2	19.0	15.7	17.9	14.9	17.2	14.3
SE	16.9	14.0	16.7	13.8	16.5	13.6	16.2	13.4	15.9	13.0	15.7	12.9	15.6	12.7	15.5	12.6	15.4	12.5	15.6	12.6	17.3	13.7	20.6	15.6	22.3	16.8	23.1	17.5	23.2	17.7	22.8	17.7	22.0	17.4	21.3	17.0	20.9	16.9	20.5	16.7	19.9	16.2	19.1	15.7	18.0	14.9	17.3	14.3
S	15.9	13.5	15.6	13.3	15.4	13.1	15.2	12.8	14.9	12.5	14.7	12.3	14.6	12.2	14.5	12.1	14.4	12.0	14.6	12.1	15.8	12.9	17.0	13.8	18.4	14.9	20.0	15.9	21.1	16.7	21.7	17.1	21.9	17.3	21.6	17.2	20.9	16.9	19.8	16.3	18.9	15.7	18.0	15.2	17.0	14.4	16.2	13.8
SW	17.2	14.1	17.0	13.9	16.8	13.7	16.6	13.5	16.2	13.2	16.1	13.0	15.9	12.9	15.8	12.8	15.7	12.7	15.9	12.7	17.1	13.6	18.3	14.5	19.4	15.4	20.3	16.1	21.0	16.6	22.1	17.3	23.3	18.0	24.0	18.4	24.4	18.6	24.1	18.4	23.2	17.9	22.0	17.1	20.0	15.9	17.6	14.5
W	17.9	14.5	17.7	14.3	17.5	14.1	17.3	13.9	17.0	13.6	16.8	13.4	16.6	13.2	16.6	13.2	16.4	13.0	16.6	13.1	17.9	14.0	19.0	14.9	20.1	15.7	21.1	16.5	21.7	17.0	22.2	17.4	23.1	17.9	24.4	18.6	25.4	19.1	25.8	19.3	25.5	19.0	24.8	18.6	22.9	17.4	18.3	14.9
NW	16.9	14.0	16.7	13.8	16.5	13.6	16.3	13.4	16.0	13.1	15.8	12.9	15.6	12.7	15.6	12.7	15.4	12.5	15.6	12.6	16.9	13.5	18.0	14.3	19.1	15.2	20.0	16.0	20.7	16.5	21.2	16.9	21.4	17.1	21.8	17.3	22.7	17.8	23.3	18.0	23.4	18.0	23.2	17.8	21.8	16.8	17.3	14.3
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	16.7	14.0	16.6	14.0	16.4	13.8	16.4	13.8	16.3	13.8	16.3	13.8	16.3	13.7	16.3	13.7	16.3	13.7	16.2	13.7	16.2	13.7	16.2	13.7	16.2	13.7	16.4	13.8	16.5	13.8	16.6	13.9	16.7	14.0	16.7	14.0	16.8	14.1	16.8	14.1	16.8	14.1	16.7	14.1	16.7	14.1	16.7	14.0
NE	17.5	14.4	17.4	14.4	17.4	14.3	17.3	14.3	17.3	14.3	17.3	14.2	17.3	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.1	17.2	14.2	17.4	14.3	17.7	14.5	17.8	14.5	17.8	14.6	17.7	14.5	17.7	14.6	17.8	14.6	17.7	14.6	17.7	14.6	17.7	14.5	17.6	14.5
E	18.7	15.0	18.6	15.0	18.5	14.9	18.5	14.9	18.5	14.8	18.5	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.4	14.7	18.4	14.7	18.4	14.7	18.4	14.7	18.6	14.9	19.0	15.1	19.1	15.2	19.1	15.2	19.1	15.2	19.0	15.2	18.9	15.2	18.9	15.2	18.9	15.1	18.8	15.1	18.8	15.1
SE	18.7	15.0	18.6	15.0	18.5	14.9	18.5	14.9	18.5	14.9	18.5	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.4	14.7	18.4	14.7	18.4	14.7	18.4	14.7	18.5	14.8	18.9	15.0	19.0	15.1	19.1	15.2	19.1	15.2	19.1	15.2	19.0	15.2	18.9	15.2	18.9	15.1	18.9	15.1	18.8	15.1
S	17.5	14.4	17.4	14.3	17.3	14.3	17.3	14.3	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.1	17.1	14.1	17.1	14.1	17.1	14.1	17.1	14.1	17.3	14.2	17.4	14.3	17.5	14.4	17.7	14.5	17.8	14.6	17.8	14.6	17.8	14.6	17.8	14.6	17.8	14.6	17.7	14.5	17.6	14.5
SW	19.4	15.4	19.2	15.3	19.0	15.1	19.0	15.1	18.9	15.1	18.9	15.1	18.9	15.0	18.9	15.0	18.9	15.0	18.8	15.0	18.8	15.0	18.8	15.0	18.8	15.0	19.0	15.0	19.1	15.1	19.2	15.2	19.3	15.3	19.3	15.3	19.4	15.4	19.5	15.5	19.6	15.5	19.7	15.5	19.6	15.5	19.5	15.5
W	20.6	16.0	20.4	15.8	19.9	15.6	19.9	15.6	19.9	15.6	19.9	15.5	19.8	15.5	19.8	15.5	19.8	15.5	19.8	15.5	19.8	15.4	19.8	15.4	19.8	15.4	19.9	15.5	20.0	15.6	20.1	15.7	20.2	15.8	20.3	15.8	20.3	15.8	20.4	15.9	20.5	16.0	20.6	16.0	20.7	16.0	20.6	16.0
NW	19.2	15.3	19.1	15.2	18.7	15.0	18.6	14.9	18.6	14.9	18.6	14.9	18.6	14.9	18.5	14.8	18.5	14.8	18.5	14.8	18.5	14.8	18.5	14.8	18.5	14.8	18.6	14.9	18.7	15.0	18.8	15.1	18.9	15.1	19.0	15.2	19.0	15.2	19.1	15.2	19.1	15.2	19.2	15.3	19.2	15.3	19.3	15.3
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	16.9	14.1	16.2	13.7	16.1	13.6	16.0	13.6	16.0	13.5	15.9	13.5	15.8	13.4	15.8	13.3	15.7	13.3	15.7	13.3	15.6	13.2	15.7	13.2	16.1	13.5	16.5	13.8	16.7	14.0	17.0	14.2	17.2	14.4	17.3	14.5	17.4	14.6	17.4	14.5	17.3	14.5	17.2	14.4	17.1	14.4	17.0	14.3
NE	17.3	14.4	17.1	14.2	17.0	14.1	16.9	14.0	16.9	14.0	16.8	13.9	16.7	13.8	16.7	13.8	16.6	13.7	16.6	13.7	16.6	13.7	16.7	13.7	17.2	14.1	18.2	14.7	18.5	14.9	18.4	14.9	18.3	14.9	18.3	15.0	18.3	15.0	18.3	15.0	18.2	15.0	18.1	14.9	17.9	14.8	17.7	14.6
E	18.5	14.9	18.2	14.8	18.1	14.7	18.1	14.6	18.0	14.6	17.9	14.5	17.8	14.4	17.8	14.3	17.7	14.3	17.7	14.3	17.7	14.2	17.8	14.3	18.4	14.6	19.6	15.4	20.0	15.6	20.1	15.8	19.9	15.7	19.6	15.6	19.5	15.6	19.4	15.6	19.3	15.5	19.2	15.5	19.0	15.3	18.8	15.2
SE	18.5	15.0	18.3	14.8	18.1	14.7	18.1	14.6	18.0	14.6	18.0	14.5	17.9	14.4	17.8	14.3	17.8	14.3	17.7	14.3	17.7	14.2	17.8	14.3	18.3	14.6	19.2	15.2	19.7	15.5	20.0	15.7	20.0	15.8	19.9	15.8	19.7	15.7	19.4	15.6	19.3	15.5	19.2	15.5	19.0	15.3	18.8	15.2
S	17.3	14.4	17.1	14.2	17.0	14.1	16.9	14.0	16.8	14.0	16.8	13.9	16.7	13.8	16.6	13.7	16.6	13.7	16.6	13.7	16.5	13.6	16.6	13.7	16.9	13.9	17.3	14.2	17.7	14.5	18.2	14.8	18.5	15.0	18.7	15.2	18.7	15.2	18.7	15.2	18.4	15.1	18.1	14.9	17.8	14.7	17.6	14.6
SW	19.4	15.4	18.7	15.0	18.6	14.9	18.5	14.8	18.5	14.8	18.4	14.7	18.3	14.6	18.2	14.6	18.2	14.5	18.2	14.5	18.1	14.5	18.2	14.5	18.6	14.7	18.9	15.0	19.2	15.3	19.5	15.5	19.7	15.6	20.0	15.8	20.4	16.0	20.6	16.1	20.7	16.2	20.6	16.2	20.3	16.0	20.0	15.8
W	20.9	16.2	19.6	15.4	19.5	15.3	19.4	15.3	19.4	15.2	19.3	15.2	19.2	15.1	19.1	15.0	19.1	15.0	19.1	14.9	19.0	14.9	19.1	14.9	19.5	15.2	19.8	15.4	20.1	15.7	20.4	15.9	20.6	16.1	20.7	16.2	21.0	16.4	21.4	16.5	21.7	16.7	21.8	16.7	21.7	16.7	21.5	16.5
NW	19.7	15.6	18.4	14.8	18.3	14.7	18.2	14.7	18.1	14.6	18.1	14.5	18.0	14.4	17.9	14.4	17.9	14.4	17.9	14.3	17.8	14.3	17.9	14.3	18.2	14.6	18.6	14.8	18.9	15.1	19.2	15.3	19.4	15.5	19.5	15.6	19.6	15.6	19.7	15.7	20.0	15.8	20.1	15.9	20.2	15.9	20.1	15.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	16.6	14.0	16.6	13.9	16.4	13.8	16.4	13.8	16.4	13.8	16.4	13.8	16.3	13.8	16.3	13.7	16.3	13.7	16.3	13.7	16.3	13.7	16.3	13.7	16.3	13.7	16.4	13.8	16.5	13.9	16.6	13.9	16.6	14.0	16.7	14.0	16.7	14.0	16.7	14.1	16.7	14.1	16.7	14.0	16.7	14.0	16.6	14.0
NE	17.5	14.4	17.4	14.4	17.4	14.3	17.4	14.3	17.3	14.3	17.3	14.3	17.3	14.2	17.3	14.2	17.3	14.2	17.3	14.2	17.3	14.2	17.2	14.2	17.3	14.2	17.4	14.3	17.7	14.4	17.7	14.5	17.7	14.5	17.7	14.5	17.7	14.5	17.7	14.5	17.7	14.5	17.7	14.5	17.6	14.5	17.6	14.5
E	18.7	15.0	18.6	15.0	18.6	14.9	18.5	14.9	18.5	14.9	18.5	14.9	18.5	14.8	18.5	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.6	14.9	18.9	15.1	19.0	15.1	19.0	15.2	19.0	15.2	18.9	15.1	18.9	15.1	18.9	15.1	18.9	15.1	18.8	15.1	18.8	15.1
SE	18.7	15.0	18.6	15.0	18.6	14.9	18.5	14.9	18.5	14.9	18.5	14.9	18.5	14.8	18.5	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.4	14.8	18.6	14.9	18.8	15.0	19.0	15.1	19.0	15.2	19.0	15.2	19.0	15.2	18.9	15.2	18.9	15.1	18.9	15.1	18.8	15.1	18.8	15.1
S	17.5	14.4	17.4	14.3	17.3	14.3	17.3	14.3	17.3	14.3	17.3	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.2	14.2	17.3	14.2	17.4	14.3	17.5	14.4	17.6	14.5	17.7	14.5	17.8	14.6	17.8	14.6	17.7	14.6	17.7	14.5	17.6	14.5	17.5	14.4
SW	19.4	15.4	19.2	15.3	19.0	15.1	19.0	15.1	19.0	15.1	19.0	15.1	19.0	15.1	18.9	15.0	18.9	15.0	18.9	15.0	18.9	15.0	18.9	15.0	18.9	15.0	19.0	15.1	19.1	15.1	19.2	15.2	19.2	15.3	19.3	15.3	19.4	15.4	19.5	15.4	19.5	15.5	19.6	15.5	19.5	15.5	19.5	15.4
W	20.5	15.9	20.3	15.8	20.0	15.6	19.9	15.6	19.9	15.6	19.9	15.6	19.9	15.5	19.9	15.5	19.9	15.5	19.8	15.5	19.8	15.5	19.8	15.5	19.8	15.5	19.9	15.6	20.0	15.6	20.1	15.7	20.2	15.7	20.2	15.8	20.3	15.8	20.4	15.9	20.4	15.9	20.5	16.0	20.6	16.0	20.5	15.9
NW	19.2	15.2	19.0	15.2	18.7	15.0	18.7	15.0	18.6	14.9	18.6	14.9	18.6	14.9	18.6	14.9	18.6	14.9	18.6	14.9	18.6	14.8	18.5	14.8	18.6	14.8	18.7	14.9	18.7	15.0	18.8	15.0	18.9	15.1	19.0	15.1	19.0	15.2	19.0	15.2	19.0	15.2	19.1	15.2	19.2	15.3	19.2	15.3
	R2 - 12cm Concrete+2 cm plaster																																															
R	13.8	10.0	13.3	9.5	12.7	8.9	12.3	8.5	12.0	8.2	11.9	8.0	11.6	7.7	12.3	8.1	16.5	10.7	23.2	14.6	28.6	18.1	33.0	20.8	35.6	22.5	37.3	23.7	37.4	24.0	36.6	23.6	34.9	22.7	31.7	21.1	27.7	18.9	23.3	16.5	18.4	13.5	15.5	11.6	14.7	10.9	14.2	10.4

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TEKİRDAĞ (40.59)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.4	4.2	6.2	4.0	6.1	3.9	6.0	3.8	5.9	3.7	5.7	3.5	5.6	3.5	5.6	3.4	5.6	3.4	5.5	3.4	5.8	3.5	6.7	4.1	7.2	4.5	7.6	4.8	7.9	5.0	8.2	5.1	8.3	5.3	8.4	5.4	8.5	5.5	8.6	5.6	8.2	5.4	8.0	5.3	7.8	5.1	6.9	4.6
NE	7.1	4.5	6.9	4.4	6.7	4.2	6.7	4.1	6.6	4.1	6.4	3.8	6.3	3.8	6.3	3.8	6.3	3.7	6.2	3.7	6.6	3.9	7.8	4.7	8.8	5.3	9.3	5.6	9.3	5.7	9.0	5.5	9.0	5.6	9.1	5.7	9.2	5.8	9.3	6.0	8.9	5.8	8.6	5.6	8.2	5.3	7.5	4.9
E	8.0	5.0	7.7	4.8	7.6	4.6	7.5	4.6	7.4	4.5	7.2	4.3	7.2	4.2	7.1	4.2	7.1	4.2	7.1	4.1	7.4	4.3	8.7	5.2	10.0	5.9	10.8	6.4	11.0	6.5	10.7	6.4	10.2	6.2	10.0	6.1	10.0	6.2	10.1	6.4	9.8	6.2	9.4	6.0	9.0	5.7	8.4	5.3
SE	7.9	5.0	7.7	4.8	7.6	4.6	7.5	4.5	7.4	4.5	7.2	4.3	7.2	4.2	7.1	4.2	7.1	4.1	7.1	4.1	7.4	4.3	8.4	5.0	9.6	5.7	10.5	6.2	10.9	6.5	11.0	6.6	10.8	6.5	10.4	6.3	10.0	6.2	10.1	6.4	9.8	6.2	9.4	6.0	9.0	5.7	8.4	5.3
S	7.5	4.7	7.3	4.6	7.1	4.4	7.1	4.3	7.0	4.3	6.8	4.0	6.7	4.0	6.7	4.0	6.7	3.9	6.6	3.9	6.9	4.1	7.6	4.6	8.2	5.0	9.0	5.5	9.6	5.8	10.1	6.1	10.4	6.3	10.4	6.3	10.3	6.4	10.1	6.4	9.6	6.1	9.0	5.8	8.6	5.5	7.9	5.1
SW	8.1	5.0	7.9	4.9	7.8	4.7	7.7	4.6	7.6	4.6	7.4	4.3	7.3	4.3	7.3	4.3	7.3	4.2	7.2	4.2	7.5	4.4	8.3	4.9	8.8	5.3	9.3	5.6	9.6	5.9	9.9	6.0	10.5	6.3	11.0	6.6	11.3	6.9	11.5	7.1	11.2	6.9	11.0	6.8	10.2	6.3	8.7	5.4
W	8.2	5.1	8.1	4.9	7.9	4.8	7.8	4.7	7.7	4.6	7.5	4.4	7.5	4.4	7.4	4.3	7.4	4.3	7.4	4.3	7.6	4.5	8.4	5.0	9.0	5.4	9.5	5.7	9.8	5.9	10.0	6.1	10.2	6.2	10.6	6.5	11.2	6.8	11.6	7.1	11.7	7.1	11.8	7.2	11.1	6.8	9.0	5.6
NW	7.4	4.7	7.2	4.5	7.1	4.4	7.0	4.3	6.9	4.2	6.7	4.0	6.7	4.0	6.6	3.9	6.6	3.9	6.6	3.9	6.8	4.0	7.6	4.6	8.2	5.0	8.7	5.3	9.0	5.5	9.2	5.7	9.4	5.8	9.5	5.9	9.6	6.0	10.1	6.4	10.2	6.4	10.5	6.5	10.0	6.2	8.1	5.2
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	6.9	4.5	6.8	4.3	6.7	4.3	6.7	4.2	6.6	4.2	6.6	4.2	6.5	4.1	6.5	4.1	6.5	4.1	6.5	4.1	6.5	4.1	6.6	4.1	6.9	4.3	7.0	4.4	7.2	4.5	7.3	4.6	7.3	4.6	7.4	4.7	7.4	4.7	7.4	4.7	7.5	4.8	7.4	4.7	7.3	4.7	7.2	4.6
NE	7.7	4.8	7.5	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.4	4.5	7.8	4.8	8.1	5.0	8.3	5.1	8.2	5.1	8.1	5.0	8.2	5.1	8.2	5.1	8.2	5.1	8.2	5.2	8.1	5.1	8.0	5.1	7.9	5.0
E	8.6	5.3	8.5	5.2	8.4	5.1	8.4	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.2	4.9	8.3	5.0	8.7	5.3	9.1	5.5	9.4	5.7	9.4	5.7	9.4	5.7	9.2	5.6	9.1	5.6	9.1	5.6	9.2	5.6	9.1	5.6	9.0	5.5	8.8	5.4
SE	8.6	5.3	8.5	5.2	8.4	5.1	8.4	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.2	4.9	8.3	5.0	8.6	5.2	9.0	5.4	9.3	5.6	9.4	5.7	9.5	5.7	9.4	5.7	9.3	5.6	9.1	5.6	9.2	5.6	9.1	5.6	9.0	5.5	8.8	5.4
S	8.1	5.1	8.0	5.0	7.9	4.9	7.9	4.8	7.8	4.8	7.8	4.8	7.8	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.8	4.7	8.0	4.9	8.2	5.0	8.5	5.2	8.7	5.3	8.8	5.4	8.9	5.5	8.9	5.5	8.9	5.5	8.8	5.5	8.7	5.4	8.5	5.3	8.3	5.2
SW	8.8	5.4	8.7	5.3	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.1	8.4	5.1	8.4	5.1	8.4	5.0	8.4	5.0	8.4	5.0	8.5	5.1	8.7	5.2	8.9	5.4	9.0	5.5	9.2	5.5	9.2	5.6	9.4	5.7	9.6	5.8	9.7	5.9	9.7	5.9	9.7	5.9	9.6	5.9	9.3	5.7
W	9.1	5.5	8.8	5.4	8.8	5.3	8.7	5.3	8.7	5.2	8.7	5.2	8.6	5.2	8.6	5.1	8.6	5.1	8.6	5.1	8.6	5.1	8.6	5.2	8.9	5.3	9.1	5.5	9.2	5.6	9.3	5.6	9.4	5.7	9.5	5.7	9.6	5.8	9.8	5.9	9.9	6.0	9.9	6.0	10.0	6.0	9.7	5.9
NW	8.1	5.1	7.9	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.7	4.7	7.7	4.7	7.7	4.7	7.7	4.7	7.6	4.7	7.7	4.7	8.0	4.9	8.2	5.0	8.3	5.1	8.4	5.2	8.5	5.2	8.5	5.3	8.6	5.3	8.6	5.3	8.8	5.5	8.8	5.5	8.9	5.5	8.7	5.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	6.9	4.5	6.7	4.3	6.6	4.2	6.6	4.2	6.5	4.1	6.5	4.1	6.4	4.0	6.4	4.0	6.4	4.0	6.3	4.0	6.3	4.0	6.5	4.0	6.8	4.3	7.0	4.4	7.2	4.6	7.4	4.7	7.5	4.7	7.5	4.8	7.6	4.8	7.6	4.9	7.7	4.9	7.5	4.9	7.4	4.8	7.3	4.7
NE	7.7	4.8	7.5	4.7	7.4	4.6	7.3	4.6	7.3	4.5	7.2	4.5	7.1	4.4	7.1	4.4	7.1	4.4	7.1	4.3	7.1	4.3	7.2	4.4	7.8	4.8	8.2	5.0	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.2	8.4	5.2	8.4	5.2	8.4	5.3	8.3	5.2	8.1	5.2	7.9	5.0
E	8.6	5.3	8.4	5.2	8.3	5.1	8.2	5.0	8.2	5.0	8.2	4.9	8.1	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.2	4.9	8.7	5.2	9.3	5.6	9.6	5.8	9.7	5.8	9.6	5.8	9.4	5.7	9.3	5.7	9.3	5.7	9.3	5.8	9.2	5.7	9.0	5.6	8.8	5.5
SE	8.6	5.3	8.4	5.2	8.3	5.1	8.2	5.0	8.2	5.0	8.1	4.9	8.1	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.0	4.8	8.1	4.9	8.6	5.2	9.1	5.5	9.5	5.7	9.7	5.8	9.7	5.9	9.6	5.8	9.4	5.7	9.3	5.7	9.3	5.8	9.2	5.7	9.0	5.6	8.8	5.5
S	8.1	5.1	7.9	4.9	7.8	4.8	7.8	4.8	7.7	4.7	7.7	4.7	7.6	4.6	7.6	4.6	7.5	4.6	7.5	4.6	7.5	4.6	7.6	4.6	8.0	4.9	8.2	5.0	8.5	5.2	8.8	5.4	9.0	5.5	9.2	5.6	9.2	5.6	9.1	5.6	9.1	5.6	8.8	5.5	8.6	5.4	8.4	5.3
SW	8.8	5.4	8.6	5.2	8.5	5.2	8.4	5.1	8.4	5.1	8.3	5.0	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.3	5.0	8.6	5.2	8.9	5.4	9.1	5.5	9.2	5.6	9.3	5.7	9.6	5.8	9.8	5.9	10.0	6.0	10.0	6.1	9.9	6.1	9.8	6.0	9.5	5.8
W	9.0	5.5	8.7	5.3	8.6	5.3	8.6	5.2	8.5	5.2	8.5	5.1	8.4	5.0	8.4	5.0	8.4	5.0	8.4	5.0	8.4	5.0	8.5	5.0	8.8	5.3	9.1	5.4	9.3	5.6	9.4	5.7	9.5	5.7	9.6	5.8	9.8	5.9	10.0	6.1	10.2	6.2	10.2	6.2	10.3	6.2	10.0	6.1
NW	8.1	5.1	7.8	4.9	7.8	4.8	7.7	4.7	7.7	4.7	7.6	4.7	7.5	4.6	7.5	4.6	7.5	4.5	7.5	4.5	7.5	4.5	7.6	4.6	7.9	4.8	8.2	5.0	8.4	5.1	8.5	5.2	8.6	5.3	8.7	5.4	8.7	5.4	8.8	5.5	9.0	5.6	9.1	5.6	9.2	5.7	9.0	5.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	6.9	4.5	6.7	4.3	6.6	4.2	6.5	4.1	6.4	4.1	6.4	4.0	6.3	3.9	6.3	3.9	6.2	3.9	6.2	3.9	6.2	3.9	6.4	4.0	6.8	4.3	7.1	4.4	7.3	4.6	7.5	4.7	7.6	4.8	7.7	4.9	7.7	4.9	7.8	5.0	7.8	5.0	7.6	4.9	7.5	4.9	7.4	4.8
NE	7.6	4.8	7.4	4.7	7.3	4.6	7.2	4.5	7.2	4.5	7.1	4.4	7.0	4.3	7.0	4.3	7.0	4.3	7.0	4.3	7.0	4.2	7.1	4.4	7.8	4.7	8.3	5.1	8.6	5.2	8.5	5.3	8.4	5.2	8.4	5.2	8.5	5.3	8.5	5.3	8.5	5.4	8.4	5.3	8.2	5.2	8.0	5.1
E	8.5	5.3	8.3	5.1	8.2	5.0	8.1	5.0	8.1	4.9	8.0	4.9	7.9	4.8	7.9	4.7	7.9	4.7	7.9	4.7	7.9	4.7	8.0	4.8	8.7	5.2	9.4	5.6	9.8	5.9	9.9	5.9	9.8	5.9	9.5	5.8	9.4	5.7	9.4	5.8	9.4	5.9	9.3	5.8	9.1	5.7	8.9	5.5
SE	8.5	5.3	8.3	5.1	8.2	5.0	8.1	5.0	8.1	4.9	8.0	4.9	7.9	4.8	7.9	4.7	7.9	4.7	7.9	4.7	7.9	4.7	8.0	4.8	8.6	5.2	9.2	5.5	9.6	5.8	9.9	5.9	9.9	6.0	9.8	5.9	9.6	5.8	9.4	5.8	9.4	5.9	9.3	5.8	9.1	5.7	8.9	5.5
S	8.1	5.1	7.8	4.9	7.7	4.8	7.7	4.7	7.6	4.7	7.6	4.6	7.5	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.5	7.9	4.8	8.2	5.0	8.6	5.3	9.0	5.5	9.2	5.6	9.4	5.7	9.4	5.7	9.3	5.7	9.2	5.8	8.9	5.6	8.6	5.4	8.4	5.3
SW	8.8	5.4	8.5	5.2	8.4	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.1	4.9	8.1	4.8	8.1	4.8	8.1	4.8	8.0	4.8	8.2	4.9	8.6	5.1	8.9	5.4	9.1	5.5	9.3	5.6	9.4	5.7	9.7	5.9	10.0	6.0	10.2	6.2	10.2	6.3	10.1	6.2	10.0	6.1	9.6	5.9
W	9.0	5.5	8.7	5.3	8.6	5.2	8.5	5.1	8.4	5.1	8.4	5.0	8.3	4.9	8.3	4.9	8.2	4.9	8.2	4.9	8.2	4.9	8.3	5.0	8.7	5.2	9.0	5.4	9.3	5.6	9.5	5.7	9.6	5.8	9.7	5.9	9.9	6.0	10.2	6.2	10.4	6.4	10.4	6.3	10.5	6.4	10.1	6.2
NW	8.1	5.1	7.8	4.9	7.7	4.8	7.6	4.7	7.6	4.6	7.5	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.3	4.4	7.3	4.4	7.5	4.5	7.9	4.8	8.2	5.0	8.4	5.2	8.6	5.3	8.7	5.4	8.8	5.4	8.8	5.5	8.9	5.5	9.2	5.7	9.2	5.7	9.4	5.8	9.1	5.7
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	10.3	4.1	10.2	4.1	10.2	4.1	10.2	4.0	10.1	4.0	10.1	3.9	10.1	3.9	10.0	3.9	10.0	3.9	10.0	3.9	10.1	4.0	10.5	4.2	10.9	4.4	11.2	4.6	11.5	4.8	11.7	4.9	11.8	5.0	11.8	5.0	11.7	4.9	11.6	4.9	11.4	4.8	11.2	4.7	10.9	4.5	10.5	4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TEKİRDAĞ (40.59)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																																
N	5.7	3.8	5.5	3.5	5.3	3.4	5.2	3.3	4.9	2.9	4.8	2.9	4.7	2.8	4.7	2.7	4.6	2.7	5.1	3.0	6.5	3.9	7.3	4.5	8.0	5.0	8.6	5.4	8.9	5.6	9.2	5.8	9.4	6.0	9.5	6.1	9.6	6.4	9.1	6.1	8.7	5.9	8.4	5.6	6.9	4.7	6.0	4.0
NE	6.3	4.1	6.1	3.8	6.0	3.7	5.8	3.6	5.5	3.2	5.4	3.2	5.3	3.1	5.3	3.0	5.3	3.0	5.8	3.4	7.8	4.6	9.5	5.6	10.3	6.2	10.3	6.2	9.7	6.0	9.8	6.1	10.0	6.3	10.1	6.4	10.2	6.7	9.7	6.4	9.2	6.1	8.4	5.6	7.4	4.9	6.7	4.4
E	7.1	4.4	6.9	4.2	6.7	4.1	6.6	3.9	6.2	3.6	6.2	3.5	6.1	3.4	6.0	3.4	6.0	3.4	6.6	3.7	8.7	5.1	10.9	6.3	12.2	7.1	12.4	7.3	12.0	7.1	11.2	6.8	10.8	6.7	10.9	6.8	11.0	7.1	10.5	6.7	9.9	6.5	9.2	6.0	8.1	5.3	7.5	4.8
SE	7.1	4.4	6.8	4.2	6.7	4.1	6.6	3.9	6.2	3.6	6.2	3.5	6.1	3.4	6.0	3.4	6.0	3.4	6.5	3.7	8.3	4.8	10.2	5.9	11.6	6.8	12.4	7.3	12.5	7.4	12.1	7.3	11.4	7.0	10.9	6.8	11.0	7.1	10.4	6.7	9.9	6.5	9.2	6.0	8.1	5.3	7.5	4.8
S	6.7	4.3	6.5	4.0	6.3	3.9	6.2	3.7	5.8	3.4	5.8	3.3	5.7	3.3	5.7	3.2	5.6	3.2	6.0	3.4	7.3	4.3	8.2	5.0	9.4	5.7	10.5	6.4	11.3	6.8	11.8	7.1	11.8	7.2	11.7	7.2	11.4	7.3	10.4	6.7	9.5	6.3	8.8	5.8	7.7	5.1	7.0	4.6
SW	7.2	4.5	7.0	4.3	6.9	4.1	6.7	4.0	6.4	3.7	6.3	3.6	6.2	3.5	6.2	3.5	6.2	3.4	6.6	3.7	7.8	4.6	8.8	5.2	9.6	5.8	10.1	6.2	10.5	6.4	11.5	6.9	12.3	7.4	12.8	7.8	13.1	8.1	12.7	7.9	12.4	7.7	11.0	6.9	8.5	5.5	7.5	4.8
W	7.4	4.6	7.1	4.4	7.0	4.2	6.9	4.1	6.5	3.7	6.5	3.7	6.4	3.6	6.3	3.6	6.3	3.5	6.7	3.8	8.0	4.7	8.9	5.3	9.7	5.9	10.3	6.2	10.6	6.4	10.9	6.6	11.6	7.1	12.6	7.7	13.2	8.2	13.3	8.2	13.6	8.3	12.4	7.6	8.9	5.7	7.7	4.9
NW	6.6	4.2	6.4	4.0	6.3	3.9	6.1	3.7	5.8	3.4	5.7	3.3	5.6	3.2	5.6	3.2	5.6	3.1	6.0	3.4	7.2	4.3	8.2	5.0	9.0	5.5	9.5	5.9	9.9	6.1	10.2	6.3	10.3	6.4	10.6	6.7	11.4	7.3	11.5	7.3	11.9	7.5	11.2	7.0	8.1	5.3	7.0	4.5
W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																																
N	7.1	4.5	6.9	4.4	6.9	4.4	6.8	4.4	6.8	4.3	6.8	4.3	6.8	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.2	6.8	4.3	6.9	4.4	7.0	4.4	7.1	4.5	7.1	4.5	7.1	4.5	7.2	4.5	7.2	4.6	7.2	4.6	7.2	4.6	7.1	4.6	7.1	4.6
NE	7.8	4.9	7.7	4.8	7.6	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.6	4.7	7.8	4.8	7.9	4.9	8.0	4.9	8.0	5.0	7.9	4.9	7.9	4.9	8.0	5.0	8.0	5.0	8.0	5.0	7.9	5.0	7.9	4.9
E	8.8	5.4	8.7	5.3	8.6	5.3	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.2	8.7	5.3	8.9	5.4	9.1	5.5	9.1	5.5	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.9	5.5	8.9	5.4	8.8	5.4
SE	8.8	5.4	8.7	5.3	8.6	5.3	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.7	5.3	8.9	5.4	9.0	5.4	9.1	5.5	9.1	5.5	9.0	5.5	9.0	5.5	8.9	5.4	8.9	5.5	8.9	5.4	8.8	5.4
S	8.3	5.1	8.2	5.1	8.1	5.0	8.1	5.0	8.0	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.1	5.0	8.2	5.0	8.3	5.1	8.4	5.2	8.5	5.2	8.6	5.2	8.6	5.3	8.5	5.3	8.5	5.3	8.4	5.2	8.3	5.2
SW	9.1	5.5	8.9	5.4	8.8	5.3	8.8	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.2	8.7	5.2	8.7	5.2	8.7	5.2	8.7	5.2	8.7	5.2	8.8	5.3	8.9	5.4	9.0	5.4	9.0	5.5	9.1	5.5	9.2	5.5	9.2	5.6	9.3	5.6	9.3	5.7	9.3	5.6	9.3	5.6
W	9.4	5.7	9.1	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.3	8.9	5.3	8.8	5.3	8.8	5.3	8.8	5.3	8.9	5.3	9.0	5.4	9.1	5.5	9.2	5.5	9.2	5.6	9.3	5.6	9.3	5.6	9.3	5.6	9.4	5.7	9.5	5.8	9.5	5.8	9.5	5.8
NW	8.4	5.2	8.2	5.0	8.0	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.9	8.1	5.0	8.2	5.0	8.2	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.4	5.2	8.4	5.2	8.5	5.2	8.5	5.2	8.5	5.3
W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																																
N	6.9	4.5	6.7	4.3	6.6	4.2	6.5	4.2	6.5	4.1	6.4	4.1	6.3	4.0	6.3	4.0	6.3	3.9	6.3	3.9	6.3	3.9	6.4	4.0	6.8	4.3	7.1	4.4	7.3	4.6	7.4	4.7	7.5	4.8	7.6	4.8	7.7	4.9	7.7	4.9	7.7	5.0	7.6	4.9	7.4	4.8	7.4	4.8
NE	7.6	4.8	7.4	4.7	7.3	4.6	7.3	4.5	7.2	4.5	7.2	4.4	7.1	4.3	7.1	4.3	7.0	4.3	7.0	4.3	7.0	4.3	7.2	4.4	7.8	4.8	8.3	5.1	8.5	5.2	8.5	5.2	8.3	5.2	8.4	5.2	8.4	5.3	8.4	5.3	8.5	5.4	8.3	5.3	8.2	5.2	7.9	5.1
E	8.5	5.3	8.3	5.1	8.2	5.1	8.2	5.0	8.1	4.9	8.1	4.9	8.0	4.8	8.0	4.8	7.9	4.8	7.9	4.7	7.9	4.7	8.1	4.8	8.7	5.2	9.4	5.6	9.7	5.8	9.8	5.9	9.7	5.8	9.4	5.7	9.3	5.7	9.4	5.7	9.4	5.8	9.2	5.7	9.1	5.7	8.9	5.5
SE	8.5	5.3	8.3	5.1	8.2	5.0	8.2	5.0	8.1	4.9	8.1	4.9	8.0	4.8	8.0	4.8	7.9	4.8	7.9	4.7	7.9	4.7	8.1	4.8	8.6	5.2	9.1	5.5	9.6	5.8	9.8	5.9	9.8	5.9	9.7	5.9	9.5	5.8	9.4	5.7	9.4	5.8	9.2	5.7	9.1	5.7	8.8	5.5
S	8.1	5.1	7.9	4.9	7.8	4.8	7.7	4.7	7.7	4.7	7.6	4.7	7.5	4.6	7.5	4.5	7.5	4.5	7.5	4.5	7.4	4.5	7.6	4.6	7.9	4.8	8.2	5.0	8.6	5.3	8.9	5.4	9.1	5.6	9.3	5.7	9.3	5.7	9.2	5.7	9.1	5.7	8.9	5.6	8.6	5.4	8.4	5.3
SW	8.8	5.4	8.5	5.2	8.4	5.1	8.4	5.1	8.3	5.0	8.3	5.0	8.2	4.9	8.2	4.9	8.1	4.8	8.1	4.8	8.1	4.8	8.2	4.9	8.6	5.2	8.9	5.4	9.1	5.5	9.3	5.6	9.4	5.7	9.7	5.9	9.9	6.0	10.1	6.1	10.2	6.2	10.0	6.1	9.9	6.1	9.5	5.9
W	9.0	5.5	8.7	5.3	8.6	5.2	8.5	5.2	8.5	5.1	8.4	5.1	8.3	5.0	8.3	5.0	8.3	4.9	8.3	4.9	8.3	4.9	8.4	5.0	8.8	5.3	9.1	5.4	9.3	5.6	9.4	5.7	9.5	5.8	9.6	5.8	9.8	6.0	10.1	6.1	10.3	6.3	10.3	6.3	10.4	6.3	10.1	6.1
NW	8.1	5.1	7.8	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.6	7.5	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.5	7.9	4.8	8.2	5.0	8.4	5.2	8.6	5.3	8.7	5.3	8.7	5.4	8.8	5.4	8.9	5.5	9.1	5.7	9.2	5.7	9.3	5.8	9.0	5.6
W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																																
N	7.1	4.5	6.9	4.4	6.9	4.4	6.8	4.4	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.8	4.3	6.9	4.4	7.0	4.4	7.0	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.2	4.6	7.1	4.5	7.1	4.5
NE	7.8	4.9	7.7	4.8	7.7	4.8	7.6	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.8	4.8	7.9	4.9	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	5.0	7.9	4.9	7.9	4.9
E	8.8	5.4	8.7	5.3	8.6	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.2	8.7	5.3	8.9	5.4	9.0	5.4	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.4
SE	8.8	5.4	8.7	5.3	8.6	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.7	5.3	8.8	5.4	9.0	5.4	9.0	5.5	9.0	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.4
S	8.3	5.1	8.2	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.1	5.0	8.2	5.0	8.3	5.1	8.4	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.4	5.2	8.3	5.1
SW	9.1	5.5	8.9	5.4	8.8	5.4	8.8	5.3	8.8	5.3	8.8	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.2	8.7	5.3	8.8	5.3	8.9	5.4	9.0	5.4	9.0	5.5	9.0	5.5	9.1	5.5	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6
W	9.4	5.7	9.1	5.5	9.0	5.4	9.0	5.4	9.0	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.4	9.0	5.4	9.1	5.5	9.2	5.5	9.2	5.6	9.2	5.6	9.2	5.6	9.3	5.6	9.4	5.7	9.4	5.7	9.4	5.7	9.5	5.7
NW	8.4	5.2	8.2	5.0	8.1	5.0	8.0	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.1	5.0	8.2	5.0	8.2	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.4	5.2	8.4	5.2	8.5	5.2
R2 - 12cm Concrete+2 cm plaster																																																
R	3.7	0.4	3.4	0.1	2.7	-0.6	2.6	-0.7	2.4	-0.9	2.3	-1.0	2.2	-1.1	3.5	-0.3	7.7	2.3	12.2	4.9	16.5	7.4	19.9	9.2	22.1	10.5	23.3	11.2	23.0	11.2	22.3	11.0	20.9	10.8	18.4	9.4	16.0	8.2	12.0	6.0	7.3	3.3	5.2	1.8	4.5	1.2	4.0	0.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TOKAT (40.19)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.5	6.4	8.1	6.1	8.0	5.9	7.8	5.8	7.6	5.6	7.3	5.2	7.2	5.2	7.1	5.0	6.9	4.9	6.9	4.8	7.1	5.0	8.0	5.6	8.6	6.1	9.3	6.7	9.9	7.2	10.4	7.6	10.7	7.9	11.0	8.2	11.1	8.3	11.0	8.3	10.7	8.1	10.3	7.8	10.1	7.5	9.6	7.1
NE	9.6	7.0	9.2	6.6	9.1	6.5	8.9	6.3	8.7	6.1	8.4	5.8	8.3	5.7	8.2	5.6	8.0	5.5	8.0	5.4	8.3	5.6	9.8	6.5	11.6	7.6	12.0	8.1	12.0	8.3	11.6	8.2	11.8	8.5	12.1	8.8	12.2	8.9	12.1	8.8	11.8	8.6	11.4	8.3	10.7	7.8	10.0	7.3
E	11.0	7.7	10.6	7.3	10.5	7.2	10.3	7.0	10.1	6.8	9.8	6.5	9.7	6.4	9.6	6.3	9.4	6.2	9.4	6.1	9.7	6.3	11.4	7.3	13.8	8.7	14.5	9.3	14.8	9.7	14.4	9.6	13.8	9.4	13.5	9.5	13.6	9.6	13.5	9.5	13.2	9.3	12.8	9.0	12.1	8.5	11.4	8.0
SE	10.9	7.7	10.6	7.3	10.5	7.2	10.3	7.0	10.1	6.8	9.8	6.5	9.7	6.4	9.6	6.3	9.4	6.1	9.4	6.1	9.6	6.2	10.9	7.1	12.9	8.3	14.0	9.1	14.8	9.7	14.9	9.9	14.7	9.9	14.3	9.9	13.6	9.6	13.5	9.5	13.2	9.3	12.8	9.0	12.1	8.5	11.4	8.0
S	10.3	7.3	10.0	7.0	9.8	6.9	9.7	6.7	9.5	6.5	9.1	6.2	9.0	6.1	8.9	6.0	8.8	5.8	8.7	5.8	8.9	5.9	9.7	6.4	10.4	7.0	11.6	7.9	12.8	8.7	13.6	9.2	14.2	9.7	14.5	10.0	14.3	9.9	13.8	9.7	13.0	9.2	12.1	8.7	11.5	8.2	10.8	7.7
SW	11.4	7.9	11.1	7.6	10.9	7.4	10.8	7.3	10.6	7.1	10.3	6.7	10.2	6.6	10.1	6.5	9.9	6.4	9.9	6.3	10.0	6.4	10.8	7.0	11.5	7.5	12.3	8.2	12.9	8.7	13.3	9.1	14.4	9.8	15.5	10.5	16.1	10.8	16.3	10.9	15.8	10.7	15.2	10.3	14.0	9.5	12.8	8.7
W	11.7	8.1	11.4	7.7	11.3	7.6	11.1	7.4	10.9	7.2	10.6	6.9	10.5	6.8	10.4	6.7	10.2	6.6	10.2	6.5	10.3	6.6	11.1	7.1	11.8	7.7	12.6	8.3	13.2	8.9	13.7	9.2	14.0	9.6	14.9	10.2	15.9	10.7	16.6	11.1	16.6	11.0	16.4	10.9	15.4	10.2	14.2	9.4
NW	10.3	7.3	10.0	7.0	9.8	6.9	9.6	6.7	9.5	6.5	9.1	6.2	9.0	6.1	8.9	6.0	8.8	5.8	8.7	5.8	8.9	5.9	9.7	6.4	10.4	7.0	11.2	7.6	11.8	8.2	12.2	8.5	12.6	8.8	12.9	9.2	13.1	9.3	13.8	9.7	14.1	9.8	14.2	9.7	13.5	9.2	12.6	8.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	9.1	6.7	8.7	6.5	8.6	6.4	8.6	6.3	8.5	6.3	8.5	6.2	8.4	6.1	8.3	6.1	8.3	6.0	8.3	6.0	8.2	6.0	8.3	6.0	8.6	6.2	8.8	6.4	9.0	6.6	9.2	6.7	9.4	6.9	9.5	7.0	9.6	7.1	9.6	7.1	9.6	7.1	9.5	7.0	9.3	6.9	9.3	6.8
NE	10.1	7.2	10.0	7.1	9.9	7.0	9.8	6.9	9.8	6.9	9.7	6.8	9.6	6.7	9.6	6.7	9.5	6.7	9.5	6.6	9.5	6.6	9.5	6.6	10.1	6.9	10.6	7.3	10.8	7.4	10.8	7.5	10.6	7.5	10.7	7.6	10.8	7.7	10.8	7.7	10.8	7.7	10.7	7.6	10.6	7.5	10.3	7.4
E	11.7	8.0	11.5	7.9	11.4	7.8	11.4	7.7	11.3	7.7	11.3	7.6	11.1	7.5	11.1	7.5	11.1	7.4	11.0	7.4	11.0	7.4	11.1	7.4	11.7	7.8	12.4	8.2	12.7	8.4	12.8	8.5	12.6	8.5	12.4	8.4	12.4	8.5	12.4	8.5	12.3	8.5	12.2	8.4	12.1	8.3	11.9	8.1
SE	11.7	8.0	11.5	7.9	11.4	7.8	11.4	7.7	11.3	7.7	11.2	7.6	11.1	7.5	11.1	7.5	11.1	7.4	11.0	7.4	11.0	7.4	11.1	7.4	11.5	7.7	12.2	8.1	12.5	8.3	12.8	8.5	12.8	8.6	12.7	8.6	12.6	8.6	12.4	8.5	12.3	8.5	12.2	8.4	12.1	8.3	11.9	8.1
S	11.0	7.6	10.8	7.5	10.7	7.4	10.7	7.4	10.6	7.3	10.5	7.3	10.4	7.1	10.4	7.1	10.4	7.1	10.3	7.0	10.3	7.0	10.4	7.0	10.6	7.2	10.8	7.4	11.2	7.7	11.6	7.9	11.9	8.1	12.1	8.3	12.2	8.4	12.1	8.3	11.9	8.3	11.7	8.1	11.4	8.0	11.2	7.8
SW	12.5	8.4	12.1	8.1	11.9	8.0	11.9	8.0	11.8	7.9	11.8	7.9	11.7	7.8	11.6	7.7	11.6	7.7	11.6	7.7	11.5	7.6	11.6	7.7	11.9	7.8	12.1	8.0	12.3	8.2	12.5	8.4	12.7	8.5	13.0	8.7	13.4	9.0	13.5	9.1	13.6	9.1	13.5	9.0	13.3	8.9	12.9	8.6
W	13.2	8.7	12.4	8.3	12.3	8.2	12.2	8.2	12.2	8.1	12.1	8.0	12.0	7.9	12.0	7.9	12.0	7.9	11.9	7.8	11.9	7.8	12.0	7.8	12.2	8.0	12.4	8.2	12.7	8.4	12.9	8.6	13.0	8.7	13.1	8.8	13.4	9.0	13.7	9.2	14.0	9.3	14.0	9.3	13.9	9.2	13.6	9.0
NW	11.5	7.9	10.8	7.5	10.7	7.4	10.6	7.4	10.6	7.3	10.5	7.2	10.4	7.1	10.4	7.1	10.3	7.1	10.3	7.0	10.3	7.0	10.3	7.0	10.6	7.2	10.8	7.4	11.1	7.6	11.3	7.8	11.4	7.9	11.5	8.0	11.6	8.1	11.7	8.1	11.9	8.3	12.0	8.3	12.0	8.3	11.8	8.1
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	9.2	6.8	8.7	6.5	8.6	6.3	8.5	6.3	8.4	6.2	8.3	6.1	8.2	6.0	8.1	5.9	8.1	5.9	8.0	5.8	8.0	5.8	8.1	5.8	8.5	6.1	8.8	6.3	9.1	6.6	9.3	6.8	9.5	7.0	9.7	7.1	9.8	7.3	9.8	7.3	9.8	7.3	9.7	7.2	9.5	7.1	9.4	6.9
NE	10.1	7.2	9.9	7.1	9.7	6.9	9.7	6.9	9.6	6.8	9.5	6.7	9.4	6.6	9.3	6.5	9.3	6.5	9.2	6.4	9.2	6.4	9.3	6.5	10.0	6.9	10.8	7.3	11.0	7.5	11.0	7.6	10.8	7.6	10.9	7.7	11.0	7.9	11.0	7.9	11.0	7.9	10.9	7.8	10.7	7.7	10.4	7.4
E	11.6	8.0	11.4	7.8	11.3	7.7	11.2	7.6	11.1	7.6	11.1	7.5	10.9	7.3	10.9	7.3	10.8	7.2	10.8	7.2	10.7	7.2	10.9	7.2	11.6	7.7	12.7	8.3	13.0	8.6	13.1	8.7	12.9	8.7	12.7	8.6	12.6	8.6	12.6	8.7	12.5	8.6	12.4	8.6	12.2	8.4	11.9	8.2
SE	11.6	8.0	11.4	7.8	11.3	7.7	11.2	7.6	11.1	7.5	11.1	7.5	10.9	7.3	10.9	7.3	10.8	7.2	10.8	7.2	10.7	7.1	10.8	7.2	11.4	7.6	12.3	8.1	12.8	8.4	13.1	8.7	13.2	8.8	13.1	8.8	12.9	8.8	12.6	8.7	12.5	8.6	12.4	8.6	12.2	8.4	11.9	8.2
S	10.9	7.6	10.7	7.5	10.6	7.3	10.5	7.3	10.4	7.2	10.4	7.1	10.2	7.0	10.2	6.9	10.1	6.9	10.1	6.8	10.0	6.8	10.1	6.9	10.5	7.1	10.8	7.3	11.3	7.7	11.8	8.1	12.2	8.3	12.4	8.5	12.6	8.6	12.5	8.6	12.2	8.5	11.9	8.3	11.5	8.1	11.2	7.9
SW	12.5	8.4	11.9	8.1	11.8	8.0	11.7	7.9	11.7	7.8	11.6	7.7	11.4	7.6	11.4	7.5	11.3	7.5	11.3	7.4	11.3	7.4	11.3	7.5	11.7	7.7	12.0	7.9	12.3	8.2	12.6	8.5	12.8	8.6	13.3	8.9	13.7	9.2	14.0	9.4	14.1	9.4	13.9	9.3	13.6	9.1	13.1	8.8
W	13.3	8.8	12.3	8.3	12.1	8.1	12.1	8.1	12.0	8.0	11.9	7.9	11.8	7.8	11.7	7.7	11.7	7.7	11.6	7.6	11.6	7.6	11.7	7.6	12.0	7.9	12.3	8.1	12.7	8.4	12.9	8.6	13.1	8.8	13.3	8.9	13.7	9.2	14.1	9.4	14.4	9.6	14.4	9.6	14.3	9.5	13.9	9.2
NW	11.7	8.0	10.7	7.5	10.6	7.3	10.5	7.3	10.4	7.2	10.3	7.1	10.2	7.0	10.2	6.9	10.1	6.9	10.0	6.8	10.0	6.8	10.1	6.8	10.4	7.1	10.7	7.3	11.1	7.6	11.4	7.8	11.5	8.0	11.7	8.1	11.8	8.3	11.9	8.3	12.2	8.5	12.4	8.5	12.4	8.5	12.1	8.3
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	9.3	6.8	8.7	6.5	8.5	6.3	8.4	6.2	8.3	6.1	8.2	6.0	8.0	5.9	8.0	5.8	7.9	5.8	7.9	5.7	7.8	5.6	7.9	5.7	8.4	6.0	8.7	6.3	9.1	6.6	9.4	6.9	9.7	7.1	9.8	7.3	10.0	7.4	10.0	7.5	10.0	7.4	9.8	7.3	9.6	7.2	9.5	7.0
NE	10.1	7.2	9.8	7.1	9.7	6.9	9.6	6.8	9.5	6.7	9.4	6.6	9.2	6.4	9.2	6.4	9.1	6.3	9.1	6.3	9.0	6.2	9.2	6.3	10.0	6.8	10.9	7.4	11.1	7.6	11.1	7.7	10.9	7.7	11.0	7.8	11.2	8.0	11.2	8.0	11.2	8.0	11.0	7.9	10.8	7.8	10.4	7.5
E	11.6	8.0	11.4	7.8	11.2	7.6	11.1	7.6	11.0	7.5	10.9	7.4	10.7	7.2	10.7	7.2	10.6	7.1	10.6	7.0	10.5	7.0	10.7	7.1	11.6	7.6	12.8	8.3	13.2	8.7	13.4	8.9	13.2	8.8	12.8	8.7	12.7	8.8	12.7	8.8	12.7	8.8	12.5	8.7	12.3	8.5	12.0	8.3
SE	11.6	8.0	11.3	7.8	11.2	7.6	11.1	7.6	11.0	7.5	10.9	7.4	10.7	7.2	10.7	7.1	10.6	7.1	10.6	7.0	10.5	7.0	10.6	7.1	11.3	7.5	12.4	8.1	13.0	8.5	13.4	8.9	13.4	9.0	13.3	9.0	13.1	9.0	12.7	8.8	12.7	8.8	12.5	8.7	12.3	8.5	11.9	8.3
S	10.9	7.7	10.7	7.5	10.5	7.3	10.4	7.2	10.3	7.1	10.2	7.0	10.1	6.9	10.0	6.8	9.9	6.8	9.9	6.7	9.8	6.6	9.9	6.7	10.3	7.0	10.7	7.3	11.4	7.7	12.0	8.2	12.4	8.4	12.7	8.7	12.9	8.8	12.7	8.8	12.5	8.7	12.1	8.5	11.6	8.2	11.3	7.9
SW	12.6	8.5	11.9	8.1	11.7	7.9	11.6	7.8	11.5	7.7	11.4	7.6	11.3	7.5	11.2	7.4	11.2	7.4	11.1	7.3	11.0	7.2	11.1	7.3	11.5	7.6	11.9	7.9	12.3	8.2	12.6	8.5	12.9	8.7	13.4	9.0	14.0	9.4	14.3	9.6	14.4	9.6	14.2	9.5	13.9	9.3	13.2	8.9
W	13.5	8.9	12.2	8.2	12.0	8.1	12.0	8.0	11.9	7.9	11.8	7.8	11.6	7.6	11.5	7.6	11.5	7.5	11.4	7.5	11.4	7.4	11.5	7.5	11.9	7.8	12.3	8.0	12.7	8.4	13.0	8.7	13.2	8.9	13.4	9.0	13.8	9.3	14.4	9.6	14.7	9.8	14.7	9.8	14.6	9.7	14.1	9.3
NW	11.9	8.1	10.6	7.5	10.5	7.3	10.4	7.2	10.3	7.1	10.2	7.0	10.0	6.8	10.0	6.8	9.9	6.7	9.9	6.7	9.8	6.6	9.9	6.7	10.3	7.0	10.7	7.3	11.1	7.6	11.4	7.9	11.6	8.1	11.8	8.2	12.0	8.4	12.1	8.5	12.5	8.7	12.6	8.7	12.7	8.7	12.3	8.4
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	14.6	7.5	14.5	7.4	14.5	7.3	14.4	7.3	14.4	7.2	14.3	7.1	14.3	7.1	14.2	7.1	14.2	7.0	14.2	7.0	14.3	7.1	14.7	7.3	15.2	7.6	15.7	8.0	16.1	8.2	16.4	8.4	16.6	8.6	16.7	8.7	16.6	8.6	16.4	8.5	16.1	8.4	15.7	8.2	15.3	7.9	14.9	7.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TOKAT (40.19)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	7.6	5.8	7.4	5.6	7.1	5.3	6.8	5.0	6.3	4.4	6.1	4.3	5.9	4.1	5.7	3.9	5.6	3.8	5.9	4.0	7.5	5.0	8.4	5.8	9.6	6.8	10.6	7.7	11.3	8.3	11.9	8.8	12.4	9.4	12.5	9.5	12.3	9.4	11.9	9.1	11.2	8.6	10.8	8.1	10.1	7.5	8.2	6.3
NE	8.6	6.3	8.4	6.1	8.1	5.8	7.8	5.5	7.2	4.9	7.1	4.8	6.9	4.6	6.7	4.4	6.6	4.3	7.0	4.5	9.6	6.1	12.6	7.9	13.2	8.6	13.2	9.0	12.5	8.9	12.9	9.3	13.4	9.9	13.5	10.0	13.3	9.9	12.9	9.6	12.1	9.1	11.1	8.3	9.9	7.4	9.2	6.8
E	9.9	6.9	9.6	6.7	9.3	6.4	9.1	6.1	8.5	5.5	8.3	5.4	8.2	5.2	7.9	5.0	7.8	4.9	8.3	5.1	11.2	6.9	15.1	9.1	16.3	10.2	16.8	10.8	16.1	10.7	15.0	10.4	14.7	10.5	14.8	10.6	14.6	10.5	14.1	10.2	13.4	9.7	12.3	8.9	11.2	8.0	10.4	7.5
SE	9.8	6.9	9.6	6.7	9.3	6.4	9.0	6.1	8.5	5.5	8.3	5.4	8.1	5.2	7.9	5.0	7.8	4.9	8.2	5.1	10.4	6.5	13.7	8.4	15.5	9.8	16.7	10.8	16.9	11.1	16.6	11.2	15.9	11.1	14.7	10.6	14.5	10.5	14.1	10.2	13.4	9.7	12.3	8.9	11.1	8.0	10.4	7.5
S	9.3	6.6	9.0	6.4	8.8	6.1	8.5	5.8	7.9	5.3	7.8	5.1	7.6	4.9	7.4	4.7	7.3	4.6	7.5	4.8	8.8	5.7	10.0	6.6	12.0	8.0	13.9	9.3	15.2	10.3	16.2	11.0	16.7	11.5	16.4	11.4	15.6	11.0	14.3	10.3	12.8	9.4	11.7	8.6	10.6	7.8	9.9	7.2
SW	10.3	7.1	10.0	6.9	9.8	6.6	9.5	6.3	8.9	5.8	8.8	5.6	8.6	5.4	8.4	5.2	8.3	5.1	8.5	5.3	9.8	6.2	11.0	7.1	12.3	8.2	13.3	9.0	14.0	9.6	15.8	10.8	17.6	11.9	18.5	12.5	18.8	12.7	18.1	12.2	17.1	11.6	15.1	10.3	13.1	9.0	10.8	7.7
W	10.6	7.3	10.3	7.0	10.1	6.8	9.8	6.5	9.2	5.9	9.0	5.7	8.9	5.6	8.6	5.3	8.5	5.2	8.8	5.4	10.1	6.3	11.3	7.2	12.5	8.3	13.6	9.2	14.3	9.8	14.8	10.3	16.3	11.3	18.0	12.2	19.1	12.8	19.1	12.7	18.8	12.4	17.1	11.3	15.1	10.0	11.1	7.8
NW	9.3	6.6	9.0	6.4	8.7	6.1	8.5	5.8	7.9	5.3	7.7	5.1	7.6	4.9	7.3	4.7	7.2	4.6	7.5	4.8	8.8	5.7	10.0	6.6	11.2	7.6	12.3	8.5	13.0	9.1	13.5	9.6	14.1	10.2	14.4	10.4	15.6	11.0	16.1	11.2	16.2	11.1	15.1	10.3	13.7	9.3	9.8	7.2
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.1	6.7	9.0	6.6	8.8	6.5	8.8	6.5	8.7	6.4	8.7	6.4	8.7	6.4	8.6	6.3	8.6	6.3	8.6	6.3	8.6	6.3	8.6	6.3	8.6	6.3	8.7	6.4	8.8	6.4	8.9	6.5	9.0	6.6	9.1	6.7	9.2	6.7	9.2	6.8	9.2	6.8	9.2	6.8	9.2	6.8	9.1	6.7
NE	10.2	7.3	10.1	7.2	10.1	7.1	10.0	7.1	10.0	7.1	10.0	7.0	9.9	7.0	9.9	6.9	9.9	6.9	9.8	6.9	9.8	6.9	9.8	6.9	9.9	6.9	10.1	7.1	10.4	7.2	10.5	7.3	10.5	7.3	10.4	7.3	10.4	7.4	10.5	7.4	10.5	7.4	10.5	7.4	10.4	7.4	10.4	7.3
E	11.8	8.1	11.7	8.0	11.7	7.9	11.6	7.9	11.6	7.8	11.6	7.8	11.5	7.8	11.5	7.7	11.5	7.7	11.4	7.7	11.4	7.7	11.4	7.7	11.5	7.7	11.7	7.9	12.1	8.1	12.2	8.2	12.3	8.2	12.2	8.2	12.1	8.2	12.1	8.2	12.1	8.2	12.1	8.2	12.0	8.2	11.9	8.1
SE	11.8	8.1	11.7	8.0	11.7	7.9	11.6	7.9	11.6	7.8	11.6	7.8	11.5	7.8	11.5	7.7	11.5	7.7	11.4	7.7	11.4	7.7	11.4	7.7	11.4	7.7	11.7	7.8	12.0	8.0	12.1	8.1	12.3	8.2	12.3	8.3	12.2	8.3	12.2	8.3	12.1	8.2	12.1	8.2	12.0	8.2	11.9	8.1
S	11.1	7.7	11.0	7.6	10.9	7.6	10.9	7.5	10.9	7.5	10.8	7.5	10.8	7.4	10.8	7.4	10.7	7.4	10.7	7.3	10.7	7.3	10.7	7.3	10.7	7.3	10.8	7.4	10.9	7.5	11.1	7.6	11.3	7.8	11.5	7.9	11.5	7.9	11.6	8.0	11.6	8.0	11.5	7.9	11.4	7.9	11.2	7.8
SW	12.6	8.4	12.4	8.3	12.2	8.2	12.1	8.1	12.1	8.1	12.1	8.1	12.1	8.1	12.0	8.0	12.0	8.0	12.0	8.0	12.0	8.0	12.0	7.9	12.0	8.0	12.1	8.1	12.2	8.1	12.3	8.2	12.4	8.3	12.5	8.4	12.7	8.5	12.8	8.6	12.9	8.7	13.0	8.7	12.9	8.6	12.8	8.6
W	13.1	8.7	12.9	8.6	12.6	8.4	12.5	8.3	12.5	8.3	12.5	8.3	12.4	8.2	12.4	8.2	12.4	8.2	12.3	8.2	12.3	8.1	12.3	8.1	12.3	8.1	12.5	8.2	12.6	8.3	12.7	8.4	12.8	8.5	12.9	8.6	12.9	8.6	13.1	8.7	13.2	8.8	13.3	8.8	13.3	8.8	13.3	8.8
NW	11.4	7.8	11.3	7.7	10.9	7.5	10.9	7.5	10.8	7.5	10.8	7.4	10.8	7.4	10.7	7.4	10.7	7.3	10.7	7.3	10.7	7.3	10.7	7.3	10.7	7.3	10.8	7.4	10.9	7.5	11.0	7.6	11.1	7.7	11.2	7.7	11.3	7.8	11.3	7.8	11.3	7.9	11.5	7.9	11.5	7.9	11.5	7.9
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	9.2	6.8	8.7	6.5	8.5	6.3	8.4	6.2	8.4	6.2	8.3	6.1	8.1	5.9	8.1	5.9	8.0	5.8	7.9	5.7	7.9	5.7	8.0	5.8	8.5	6.1	8.7	6.3	9.1	6.6	9.4	6.9	9.6	7.0	9.8	7.2	9.9	7.4	10.0	7.4	9.9	7.4	9.8	7.3	9.6	7.1	9.4	7.0
NE	10.1	7.2	9.9	7.1	9.7	6.9	9.6	6.8	9.5	6.7	9.5	6.7	9.3	6.5	9.2	6.4	9.2	6.4	9.1	6.3	9.1	6.3	9.2	6.4	10.0	6.8	10.9	7.4	11.1	7.6	11.1	7.7	10.9	7.7	11.0	7.8	11.1	8.0	11.2	8.0	11.1	8.0	11.0	7.9	10.7	7.7	10.4	7.5
E	11.6	8.0	11.4	7.8	11.2	7.7	11.1	7.6	11.1	7.5	11.0	7.4	10.8	7.3	10.8	7.2	10.7	7.2	10.6	7.1	10.6	7.1	10.8	7.1	11.6	7.6	12.8	8.3	13.1	8.6	13.3	8.8	13.1	8.8	12.7	8.7	12.6	8.7	12.7	8.7	12.6	8.7	12.5	8.6	12.3	8.5	11.9	8.2
SE	11.6	8.0	11.4	7.8	11.2	7.7	11.1	7.6	11.1	7.5	11.0	7.4	10.8	7.2	10.8	7.2	10.7	7.2	10.6	7.1	10.6	7.1	10.7	7.1	11.4	7.5	12.3	8.1	12.9	8.5	13.3	8.8	13.3	8.9	13.2	8.9	13.0	8.9	12.7	8.7	12.6	8.7	12.5	8.6	12.3	8.5	11.9	8.2
S	10.9	7.6	10.7	7.5	10.5	7.3	10.5	7.2	10.4	7.2	10.3	7.1	10.1	6.9	10.1	6.9	10.0	6.8	10.0	6.7	9.9	6.7	10.0	6.8	10.4	7.0	10.7	7.3	11.3	7.7	11.9	8.1	12.3	8.4	12.6	8.6	12.7	8.8	12.6	8.7	12.4	8.6	12.0	8.4	11.6	8.1	11.3	7.9
SW	12.6	8.5	11.9	8.1	11.7	7.9	11.7	7.8	11.6	7.8	11.5	7.7	11.3	7.5	11.3	7.5	11.2	7.4	11.2	7.3	11.1	7.3	11.2	7.4	11.6	7.6	11.9	7.9	12.3	8.2	12.6	8.5	12.8	8.7	13.4	9.0	13.9	9.3	14.2	9.5	14.3	9.5	14.0	9.4	13.8	9.2	13.2	8.8
W	13.4	8.9	12.2	8.2	12.1	8.1	12.0	8.0	11.9	7.9	11.8	7.9	11.7	7.7	11.6	7.6	11.6	7.6	11.5	7.5	11.5	7.5	11.6	7.5	11.9	7.8	12.3	8.1	12.7	8.4	13.0	8.6	13.2	8.8	13.3	9.0	13.8	9.3	14.3	9.5	14.6	9.7	14.6	9.7	14.5	9.6	14.0	9.3
NW	11.8	8.1	10.7	7.5	10.5	7.3	10.4	7.2	10.4	7.1	10.3	7.1	10.1	6.9	10.1	6.9	10.0	6.8	9.9	6.7	9.9	6.7	10.0	6.8	10.4	7.0	10.7	7.3	11.1	7.6	11.4	7.9	11.6	8.0	11.8	8.2	11.9	8.4	12.0	8.4	12.4	8.6	12.5	8.7	12.5	8.6	12.2	8.4
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	9.0	6.6	9.0	6.6	8.8	6.5	8.8	6.5	8.8	6.4	8.7	6.4	8.7	6.4	8.7	6.4	8.7	6.3	8.6	6.3	8.6	6.3	8.6	6.3	8.7	6.3	8.8	6.4	8.8	6.5	8.9	6.5	9.0	6.6	9.1	6.7	9.1	6.7	9.2	6.7	9.2	6.8	9.2	6.7	9.1	6.7	9.1	6.7
NE	10.2	7.2	10.1	7.2	10.1	7.1	10.0	7.1	10.0	7.1	10.0	7.0	10.0	7.0	9.9	7.0	9.9	7.0	9.9	7.0	9.9	6.9	9.9	6.9	9.9	7.0	10.1	7.1	10.3	7.2	10.4	7.3	10.4	7.3	10.3	7.3	10.4	7.3	10.4	7.4	10.4	7.4	10.4	7.4	10.4	7.3	10.3	7.3
E	11.8	8.0	11.7	8.0	11.7	7.9	11.6	7.9	11.6	7.9	11.6	7.8	11.6	7.8	11.5	7.8	11.5	7.8	11.5	7.8	11.5	7.7	11.5	7.7	11.5	7.7	11.7	7.9	12.0	8.1	12.1	8.1	12.2	8.2	12.1	8.2	12.0	8.2	12.0	8.2	12.0	8.2	12.0	8.2	12.0	8.1	11.9	8.1
SE	11.8	8.0	11.7	8.0	11.7	7.9	11.6	7.9	11.6	7.9	11.6	7.8	11.6	7.8	11.5	7.8	11.5	7.8	11.5	7.8	11.5	7.7	11.5	7.7	11.5	7.7	11.7	7.9	11.9	8.0	12.1	8.1	12.2	8.2	12.2	8.2	12.2	8.2	12.1	8.2	12.0	8.2	12.0	8.2	12.0	8.1	11.9	8.1
S	11.1	7.7	11.0	7.6	11.0	7.6	10.9	7.5	10.9	7.5	10.9	7.5	10.8	7.5	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.4	10.9	7.5	11.0	7.5	11.1	7.6	11.3	7.7	11.4	7.8	11.5	7.9	11.5	7.9	11.5	7.9	11.4	7.9	11.3	7.8	11.2	7.7
SW	12.6	8.4	12.4	8.3	12.2	8.2	12.2	8.2	12.2	8.1	12.1	8.1	12.1	8.1	12.1	8.1	12.1	8.0	12.1	8.0	12.0	8.0	12.0	8.0	12.0	8.0	12.1	8.1	12.2	8.2	12.3	8.2	12.4	8.3	12.5	8.4	12.6	8.4	12.8	8.5	12.8	8.6	12.9	8.6	12.8	8.6	12.7	8.5
W	13.1	8.7	12.9	8.6	12.6	8.4	12.5	8.3	12.5	8.3	12.5	8.3	12.5	8.3	12.4	8.2	12.4	8.2	12.4	8.2	12.4	8.2	12.4	8.2	12.4	8.2	12.5	8.3	12.6	8.3	12.7	8.4	12.8	8.5	12.8	8.5	12.9	8.6	13.0	8.7	13.1	8.7	13.2	8.8	13.2	8.8	13.2	8.7
NW	11.3	7.8	11.2	7.7	10.9	7.6	10.9	7.5	10.9	7.5	10.8	7.5	10.8	7.4	10.8	7.4	10.8	7.4	10.8	7.4	10.7	7.4	10.7	7.4	10.7	7.4	10.9	7.4	10.9	7.5	11.0	7.6	11.1	7.7	11.2	7.7	11.2	7.7	11.3	7.8	11.3	7.8	11.4	7.9	11.4	7.9	11.4	7.9
	R2 - 12cm Concrete+2 cm plaster																																															
R	6.6	2.7	6.0	2.1	4.8	0.9	4.5	0.6	4.1	0.2	3.6	-0.3	3.4	-0.5	4.4	0.1	9.1	3.0	15.6	6.9	21.2	10.6	26.2	13.9	29.6	16.1	31.9	17.7	33.0	18.8	31.8	18.4	29.6	17.4	25.7	15.3	21.6	12.9	16.4	9.7	11.6	6.7	8.9	4.9	7.7	3.8	7.2	3.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TRABZON (41.00)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.1	4.0	6.0	3.9	5.9	3.8	5.8	3.7	5.8	3.7	5.7	3.6	5.6	3.5	5.5	3.4	5.5	3.4	5.5	3.4	5.8	3.6	6.3	3.9	6.9	4.3	7.5	4.7	8.0	5.1	8.3	5.3	8.4	5.5	8.5	5.5	8.4	5.5	8.2	5.3	7.9	5.1	7.5	4.9	7.1	4.7	6.5	4.3
NE	6.6	4.3	6.4	4.1	6.4	4.0	6.2	3.9	6.2	3.9	6.1	3.8	6.0	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.3	3.8	6.9	4.2	7.9	4.8	8.6	5.3	8.8	5.5	8.8	5.6	8.9	5.7	8.9	5.7	8.9	5.7	8.7	5.6	8.3	5.4	8.0	5.2	7.5	4.9	6.9	4.5
E	7.2	4.6	7.0	4.4	6.9	4.3	6.8	4.2	6.8	4.2	6.7	4.1	6.6	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.9	4.1	7.5	4.5	8.7	5.2	9.6	5.8	9.9	6.1	10.1	6.2	9.8	6.1	9.5	6.0	9.5	6.0	9.3	5.9	8.9	5.6	8.5	5.5	8.1	5.2	7.5	4.8
SE	7.2	4.5	7.0	4.4	6.9	4.3	6.8	4.2	6.8	4.2	6.7	4.1	6.6	4.0	6.5	3.9	6.5	3.9	6.5	3.9	6.8	4.1	7.4	4.4	8.5	5.1	9.4	5.7	9.9	6.1	10.3	6.4	10.3	6.4	9.9	6.2	9.4	6.0	9.2	5.8	8.9	5.6	8.5	5.4	8.0	5.1	7.5	4.8
S	7.2	4.6	7.0	4.4	7.0	4.3	6.8	4.2	6.8	4.2	6.7	4.1	6.6	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.8	4.1	7.3	4.4	8.0	4.8	8.7	5.4	9.4	5.8	10.1	6.2	10.4	6.5	10.5	6.5	10.2	6.3	9.7	6.1	9.1	5.7	8.6	5.5	8.1	5.2	7.5	4.8
SW	7.4	4.7	7.2	4.5	7.1	4.4	7.0	4.3	7.0	4.3	6.9	4.2	6.8	4.1	6.8	4.1	6.8	4.0	6.8	4.1	7.0	4.2	7.5	4.5	8.1	4.9	8.7	5.3	9.2	5.7	9.5	6.0	10.1	6.3	10.6	6.5	10.7	6.6	10.4	6.4	9.8	6.1	9.4	5.9	8.5	5.4	7.8	4.9
W	7.2	4.6	7.1	4.4	7.0	4.3	6.9	4.2	6.8	4.2	6.7	4.1	6.7	4.0	6.6	4.0	6.6	4.0	6.6	4.0	6.8	4.1	7.3	4.4	8.0	4.9	8.5	5.3	9.1	5.7	9.4	5.9	9.5	6.0	9.9	6.2	10.3	6.4	10.3	6.4	9.8	6.1	9.5	5.9	8.5	5.4	7.7	4.9
NW	6.6	4.3	6.5	4.1	6.4	4.1	6.3	3.9	6.2	3.9	6.1	3.8	6.1	3.7	6.0	3.7	6.0	3.7	6.0	3.7	6.2	3.8	6.7	4.1	7.4	4.6	8.0	5.0	8.5	5.4	8.8	5.6	8.9	5.7	9.0	5.7	9.0	5.7	9.1	5.8	8.9	5.6	8.7	5.5	7.8	5.0	7.1	4.6
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	6.7	4.3	6.6	4.2	6.5	4.2	6.5	4.2	6.5	4.1	6.5	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.5	4.1	6.6	4.2	6.8	4.3	7.0	4.5	7.2	4.6	7.3	4.7	7.3	4.7	7.3	4.7	7.3	4.7	7.3	4.7	7.1	4.6	7.0	4.5	6.9	4.5
NE	7.2	4.6	7.1	4.5	7.0	4.4	7.0	4.4	7.0	4.4	6.9	4.4	6.9	4.3	6.9	4.3	6.9	4.3	6.9	4.3	6.9	4.3	7.0	4.4	7.2	4.5	7.5	4.7	7.7	4.8	7.8	4.9	7.8	4.9	7.8	4.9	7.8	5.0	7.8	5.0	7.7	4.9	7.6	4.8	7.5	4.8	7.4	4.7
E	7.8	4.9	7.7	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.5	4.6	7.6	4.7	7.8	4.8	8.2	5.0	8.5	5.2	8.6	5.3	8.7	5.4	8.6	5.3	8.5	5.3	8.5	5.3	8.4	5.2	8.3	5.2	8.2	5.1	8.0	5.0
SE	7.8	4.9	7.7	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.5	4.6	7.6	4.7	7.8	4.8	8.1	5.0	8.4	5.2	8.6	5.3	8.7	5.4	8.7	5.4	8.6	5.4	8.4	5.3	8.4	5.2	8.3	5.2	8.2	5.1	8.0	5.0
S	7.9	4.9	7.8	4.8	7.7	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.7	7.8	4.8	8.0	4.9	8.2	5.1	8.5	5.2	8.7	5.4	8.8	5.4	8.8	5.5	8.7	5.4	8.6	5.3	8.4	5.2	8.2	5.1	8.0	5.0
SW	8.1	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.7	4.7	7.7	4.7	7.7	4.7	7.8	4.8	8.0	4.9	8.2	5.0	8.4	5.1	8.5	5.3	8.6	5.3	8.8	5.5	9.0	5.5	9.0	5.6	8.9	5.5	8.7	5.4	8.6	5.3	8.3	5.2
W	7.9	4.9	7.8	4.8	7.7	4.8	7.7	4.8	7.7	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.6	7.6	4.7	7.6	4.7	7.8	4.8	8.0	4.9	8.2	5.1	8.4	5.2	8.5	5.3	8.5	5.3	8.6	5.4	8.8	5.4	8.8	5.4	8.6	5.3	8.5	5.3	8.2	5.1
NW	7.3	4.6	7.1	4.5	7.1	4.5	7.0	4.4	7.0	4.4	7.0	4.4	7.0	4.4	6.9	4.3	6.9	4.3	6.9	4.3	6.9	4.3	7.0	4.4	7.1	4.5	7.4	4.6	7.5	4.7	7.7	4.9	7.8	4.9	7.9	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.8	5.0	7.8	4.9	7.5	4.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	6.7	4.3	6.5	4.2	6.4	4.1	6.4	4.1	6.4	4.1	6.3	4.0	6.3	4.0	6.3	4.0	6.2	4.0	6.2	4.0	6.2	4.0	6.3	4.0	6.6	4.2	6.8	4.3	7.1	4.5	7.3	4.7	7.4	4.8	7.5	4.8	7.5	4.9	7.5	4.8	7.4	4.8	7.3	4.7	7.1	4.6	6.9	4.5
NE	7.1	4.6	7.0	4.5	6.9	4.4	6.9	4.4	6.8	4.3	6.8	4.3	6.8	4.2	6.7	4.2	6.7	4.2	6.7	4.2	6.7	4.2	6.9	4.3	7.1	4.4	7.6	4.7	7.9	4.9	8.0	5.0	8.0	5.0	8.0	5.1	8.0	5.1	8.0	5.1	7.9	5.0	7.7	4.9	7.6	4.8	7.4	4.7
E	7.8	4.9	7.6	4.8	7.6	4.7	7.5	4.7	7.5	4.6	7.5	4.6	7.4	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.6	7.8	4.8	8.3	5.1	8.7	5.3	8.8	5.4	8.9	5.5	8.8	5.5	8.7	5.4	8.6	5.4	8.5	5.3	8.4	5.3	8.2	5.2	8.0	5.0
SE	7.8	4.9	7.6	4.8	7.6	4.7	7.5	4.7	7.5	4.6	7.4	4.6	7.4	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.6	7.7	4.7	8.2	5.0	8.6	5.3	8.8	5.4	9.0	5.6	9.0	5.6	8.8	5.5	8.6	5.4	8.5	5.3	8.4	5.2	8.2	5.2	8.0	5.0
S	7.8	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.4	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.6	7.7	4.7	8.0	4.9	8.3	5.1	8.6	5.3	8.9	5.5	9.1	5.6	9.1	5.6	9.0	5.6	8.7	5.5	8.5	5.3	8.3	5.2	8.0	5.1
SW	8.0	5.0	7.8	4.9	7.8	4.8	7.7	4.8	7.7	4.7	7.7	4.7	7.6	4.7	7.6	4.6	7.6	4.6	7.6	4.6	7.6	4.6	7.7	4.7	7.9	4.8	8.2	5.0	8.4	5.2	8.7	5.4	8.8	5.4	9.0	5.6	9.2	5.7	9.3	5.7	9.2	5.7	8.9	5.5	8.7	5.4	8.3	5.2
W	7.9	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.4	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.6	7.7	4.7	8.0	4.9	8.3	5.1	8.5	5.3	8.6	5.4	8.7	5.4	8.8	5.5	9.0	5.6	9.0	5.6	8.8	5.5	8.7	5.4	8.2	5.1
NW	7.2	4.6	7.0	4.5	7.0	4.4	6.9	4.4	6.9	4.3	6.9	4.3	6.8	4.3	6.8	4.2	6.8	4.2	6.8	4.2	6.8	4.2	6.9	4.3	7.1	4.4	7.4	4.6	7.6	4.8	7.8	5.0	8.0	5.0	8.0	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.0	5.1	7.9	5.0	7.6	4.8
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	6.7	4.3	6.5	4.2	6.4	4.1	6.3	4.1	6.3	4.0	6.2	4.0	6.2	3.9	6.2	3.9	6.1	3.9	6.1	3.9	6.1	3.9	6.3	3.9	6.5	4.1	6.9	4.3	7.1	4.5	7.4	4.8	7.6	4.9	7.7	4.9	7.7	5.0	7.6	4.9	7.5	4.9	7.4	4.8	7.2	4.7	7.0	4.5
NE	7.1	4.6	6.9	4.4	6.8	4.3	6.8	4.3	6.7	4.2	6.7	4.2	6.7	4.2	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.8	4.2	7.1	4.4	7.6	4.7	8.0	5.0	8.1	5.1	8.1	5.1	8.1	5.2	8.2	5.2	8.1	5.2	8.0	5.1	7.8	5.0	7.6	4.9	7.4	4.7
E	7.7	4.9	7.6	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.4	4.5	7.3	4.5	7.3	4.5	7.2	4.4	7.2	4.4	7.2	4.4	7.4	4.5	7.7	4.7	8.4	5.1	8.8	5.4	9.0	5.5	9.1	5.6	8.9	5.6	8.8	5.5	8.8	5.5	8.6	5.4	8.5	5.3	8.3	5.2	8.0	5.1
SE	7.7	4.9	7.5	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.3	4.5	7.3	4.5	7.3	4.4	7.2	4.4	7.2	4.4	7.2	4.4	7.4	4.5	7.7	4.7	8.2	5.0	8.7	5.3	9.0	5.5	9.2	5.7	9.2	5.7	9.0	5.6	8.7	5.5	8.6	5.4	8.5	5.3	8.3	5.2	8.0	5.0
S	7.8	4.9	7.6	4.8	7.5	4.7	7.5	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.3	4.5	7.3	4.4	7.3	4.4	7.3	4.4	7.4	4.5	7.6	4.7	8.0	4.9	8.4	5.2	8.8	5.4	9.1	5.6	9.3	5.7	9.3	5.8	9.1	5.7	8.9	5.5	8.6	5.4	8.3	5.2	8.1	5.1
SW	8.0	5.0	7.8	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.6	7.5	4.6	7.5	4.6	7.5	4.5	7.5	4.5	7.5	4.5	7.6	4.6	7.8	4.8	8.2	5.0	8.5	5.2	8.7	5.4	8.9	5.5	9.2	5.7	9.4	5.8	9.5	5.9	9.4	5.8	9.1	5.6	8.8	5.5	8.4	5.2
W	7.9	4.9	7.6	4.8	7.5	4.7	7.5	4.6	7.4	4.6	7.4	4.6	7.4	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.4	4.5	7.7	4.7	8.0	4.9	8.3	5.1	8.6	5.3	8.7	5.4	8.8	5.5	9.0	5.6	9.2	5.7	9.2	5.7	9.0	5.6	8.8	5.5	8.3	5.2
NW	7.2	4.6	7.0	4.4	6.9	4.4	6.8	4.3	6.8	4.3	6.8	4.2	6.7	4.2	6.7	4.2	6.7	4.1	6.7	4.1	6.7	4.1	6.8	4.2	7.0	4.4	7.4	4.6	7.7	4.8	7.9	5.0	8.1	5.1	8.2	5.2	8.2	5.2	8.2	5.2	8.3	5.2	8.1	5.2	8.0	5.1	7.6	4.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	9.0	3.5	9.0	3.5	8.9	3.4	8.9	3.4	8.9	3.4	8.9	3.4	8.8	3.3	8.8	3.3	8.8	3.3	8.8	3.3	8.9	3.4	9.2	3.5	9.5	3.7	9.9	4.0	10.1	4.1	10.4	4.3	10.6	4.4	10.6	4.4	10.5	4.3	10.2	4.2	9.9	4.0	9.7	3.9	9.4	3.8	9.1	3.6

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TRABZON (41.00)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12:

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	5.5	3.6	5.3	3.5	5.2	3.3	5.1	3.2	4.9	3.1	4.8	2.9	4.7	2.9	4.7	2.9	4.8	2.9	5.1	3.1	6.0	3.6	7.0	4.3
NE	5.9	3.8	5.7	3.7	5.5	3.5	5.5	3.4	5.3	3.3	5.2	3.1	5.1	3.1	5.1	3.1	5.1	3.1	5.7	3.3	6.6	3.9	8.3	5.0
E	6.4	4.1	6.3	3.9	6.1	3.7	6.0	3.7	5.9	3.5	5.7	3.4	5.7	3.3	5.7	3.3	5.7	3.3	6.2	3.6	7.2	4.2	9.2	5.4
SE	6.4	4.0	6.2	3.9	6.0	3.7	6.0	3.6	5.8	3.5	5.7	3.4	5.6	3.3	5.6	3.3	5.6	3.3	6.0	3.5	7.0	4.1	8.8	5.2
S	6.4	4.1	6.3	3.9	6.1	3.7	6.0	3.7	5.9	3.5	5.8	3.4	5.7	3.3	5.7	3.3	5.7	3.3	6.0	3.5	6.8	4.0	7.9	4.8
SW	6.6	4.1	6.4	4.0	6.2	3.8	6.2	3.8	6.0	3.6	5.9	3.5	5.8	3.4	5.8	3.4	5.8	3.4	6.1	3.6	7.0	4.1	8.1	4.8
W	6.4	4.1	6.3	3.9	6.1	3.8	6.0	3.7	5.9	3.5	5.8	3.4	5.7	3.3	5.7	3.3	5.7	3.3	6.0	3.5	6.9	4.1	7.9	4.8
NW	5.9	3.8	5.8	3.7	5.6	3.5	5.5	3.4	5.4	3.3	5.3	3.2	5.2	3.1	5.2	3.1	5.2	3.1	5.5	3.3	6.3	3.8	7.4	4.5
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.8	4.4	6.7	4.3	6.7	4.3	6.7	4.3	6.6	4.3	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2
NE	7.3	4.6	7.2	4.6	7.2	4.6	7.2	4.5	7.2	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5
E	8.0	5.0	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8
SE	8.0	5.0	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8
S	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8
SW	8.3	5.1	8.1	5.0	8.1	5.0	8.1	5.0	8.0	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9
W	8.1	5.0	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8
NW	7.4	4.7	7.3	4.6	7.2	4.6	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	6.7	4.3	6.5	4.2	6.4	4.1	6.4	4.1	6.3	4.0	6.3	4.0	6.2	4.0	6.2	3.9	6.2	3.9	6.2	3.9	6.2	3.9	6.3	4.0
NE	7.1	4.6	7.0	4.4	6.9	4.4	6.8	4.3	6.8	4.3	6.8	4.3	6.7	4.2	6.7	4.2	6.7	4.1	6.7	4.1	6.7	4.1	6.8	4.2
E	7.8	4.9	7.6	4.8	7.5	4.7	7.5	4.6	7.4	4.6	7.4	4.6	7.4	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.5	4.6
SE	7.7	4.9	7.6	4.8	7.5	4.7	7.5	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.4	4.5
S	7.8	4.9	7.6	4.8	7.5	4.7	7.5	4.7	7.5	4.6	7.4	4.6	7.4	4.5	7.4	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.4	4.5
SW	8.0	5.0	7.8	4.9	7.7	4.8	7.7	4.7	7.6	4.7	7.6	4.7	7.6	4.6	7.5	4.6	7.5	4.6	7.5	4.6	7.5	4.6	7.6	4.6
W	7.9	4.9	7.6	4.8	7.6	4.7	7.5	4.7	7.5	4.6	7.4	4.6	7.4	4.5	7.4	4.5	7.3	4.5	7.3	4.5	7.3	4.5	7.4	4.5
NW	7.2	4.6	7.0	4.5	6.9	4.4	6.9	4.3	6.8	4.3	6.8	4.3	6.8	4.2	6.7	4.2	6.7	4.2	6.7	4.2	6.7	4.2	6.8	4.2
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.8	4.4	6.8	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2	6.6	4.2
NE	7.3	4.6	7.3	4.6	7.2	4.6	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.1	4.5
E	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8
SE	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8
S	8.0	5.0	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8	7.8	4.8
SW	8.2	5.1	8.2	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.1	5.0	8.0	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9
W	8.1	5.0	8.0	5.0	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.8	7.8	4.8	7.8	4.8	7.9	4.8
NW	7.4	4.7	7.3	4.6	7.3	4.6	7.2	4.6	7.2	4.6	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5
	R2 - 12cm Concrete+2 cm plaster																							
R	2.9	-0.1	2.8	-0.2	2.4	-0.5	2.2	-0.8	2.0	-0.9	2.0	-1.0	2.1	-0.9	3.1	-0.4	5.9	1.3	10.2	3.8	14.4	6.3	17.4	8.3

Hours 13–24:

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																							
N	7.9	5.0	8.8	5.6	9.3	6.0	9.5	6.2	9.6	6.3	9.5	6.2	9.2	6.0	8.6	5.6	8.0	5.3	7.3	4.9	6.4	4.3	5.7	3.9
NE	9.4	5.7	9.8	6.1	9.8	6.2	9.9	6.4	10.0	6.5	9.9	6.4	9.6	6.2	9.0	5.8	8.4	5.5	7.6	5.0	6.7	4.5	6.1	4.0
E	10.7	6.3	11.2	6.8	11.5	7.1	11.0	6.9	10.5	6.7	10.4	6.6	10.1	6.5	9.5	6.1	8.9	5.8	8.1	5.3	7.2	4.7	6.7	4.3
SE	10.3	6.2	11.1	6.8	11.9	7.3	11.9	7.3	11.2	7.0	10.4	6.6	10.0	6.4	9.5	6.1	8.9	5.8	8.1	5.3	7.2	4.7	6.6	4.3
S	9.2	5.6	10.4	6.4	11.4	7.0	12.0	7.4	12.1	7.5	11.6	7.2	10.8	6.8	9.8	6.2	8.9	5.8	8.1	5.3	7.2	4.7	6.7	4.3
SW	9.0	5.5	9.9	6.2	10.4	6.5	11.3	7.1	12.1	7.5	12.3	7.6	11.9	7.3	10.9	6.8	10.2	6.4	8.7	5.6	7.5	4.9	6.8	4.4
W	8.9	5.4	9.8	6.1	10.2	6.5	10.5	6.6	11.1	7.0	11.7	7.3	11.7	7.3	11.0	6.8	10.5	6.6	8.8	5.6	7.5	4.9	6.7	4.3
NW	8.3	5.2	9.2	5.9	9.7	6.2	9.9	6.4	10.0	6.5	10.0	6.4	10.2	6.5	9.9	6.3	9.5	6.1	8.2	5.3	6.9	4.6	6.2	4.1
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.6	4.2	6.7	4.3	6.8	4.3	6.9	4.4	7.0	4.5	7.0	4.5	7.0	4.5	7.1	4.5	7.0	4.5	7.0	4.5	7.0	4.5	6.9	4.4
NE	7.1	4.5	7.2	4.5	7.4	4.6	7.5	4.7	7.5	4.7	7.5	4.8	7.6	4.8	7.6	4.8	7.5	4.8	7.5	4.8	7.5	4.7	7.4	4.7
E	7.8	4.8	7.9	4.9	8.1	5.0	8.2	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.0
SE	7.8	4.8	7.9	4.9	8.1	5.0	8.2	5.1	8.3	5.1	8.4	5.2	8.4	5.2	8.3	5.1	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.0
S	7.8	4.8	7.9	4.9	8.0	4.9	8.1	5.0	8.2	5.1	8.3	5.2	8.4	5.2	8.4	5.2	8.4	5.2	8.3	5.1	8.2	5.1	8.1	5.0
SW	8.0	4.9	8.1	5.0	8.2	5.0	8.3	5.1	8.4	5.2	8.4	5.2	8.5	5.2	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.2	8.4	5.2
W	7.8	4.8	7.9	4.9	8.0	5.0	8.1	5.0	8.2	5.1	8.2	5.1	8.3	5.1	8.3	5.2	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1
NW	7.2	4.5	7.2	4.5	7.4	4.6	7.4	4.7	7.5	4.7	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.6	4.8
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																							
N	6.5	4.1	6.8	4.3	7.1	4.5	7.4	4.7	7.5	4.8	7.6	4.9	7.6	4.9	7.6	4.9	7.5	4.8	7.3	4.7	7.1	4.6	6.9	4.5
NE	7.1	4.4	7.6	4.7	7.9	4.9	8.0	5.1	8.0	5.1	8.1	5.1	8.1	5.2	8.1	5.1	8.0	5.1	7.8	5.0	7.6	4.9	7.4	4.7
E	7.8	4.7	8.3	5.1	8.8	5.4	8.9	5.5	9.0	5.6	8.9	5.5	8.7	5.5	8.7	5.4	8.6	5.4	8.4	5.3	8.3	5.2	8.0	5.0
SE	7.7	4.7	8.2	5.0	8.7	5.3	8.9	5.5	9.1	5.6	9.1	5.7	8.9	5.6	8.7	5.4	8.6	5.4	8.4	5.3	8.2	5.2	8.0	5.0
S	7.7	4.7	8.0	4.9	8.4	5.2	8.7	5.4	9.0	5.6	9.2	5.7	9.2	5.7	9.1	5.6	8.8	5.5	8.5	5.3	8.3	5.2	8.1	5.1
SW	7.8	4.8	8.2	5.0	8.4	5.2	8.7	5.4	8.8	5.5	9.1	5.7	9.4	5.8	9.4	5.8	9.3	5.7	9.0	5.6	8.8	5.5	8.3	5.2
W	7.7	4.7	8.0	4.9	8.3	5.1	8.5	5.3	8.7	5.4	8.8	5.5	8.9	5.6	9.1	5.7	9.1	5.7	8.9	5.5	8.8	5.4	8.3	5.2
NW	7.0	4.4	7.4	4.6	7.6	4.8	7.9	5.0	8.0	5.1	8.1	5.1	8.1	5.2	8.1	5.2	8.2	5.2	8.1	5.1	8.0	5.1	7.6	4.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																							
N	6.7	4.2	6.7	4.3	6.8	4.3	6.9	4.4	6.9	4.4	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.5	6.9	4.4	6.9	4.4
NE	7.2	4.5	7.2	4.6	7.4	4.6	7.5	4.7	7.5	4.7	7.5	4.7	7.5	4.7	7.5	4.7	7.5	4.7	7.5	4.7	7.4	4.7	7.4	4.7
E	7.8	4.8	7.9	4.9	8.1	5.0	8.2	5.1	8.2	5.1	8.3	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.0	8.1	5.0
SE	7.8	4.8	7.9	4.9	8.0	5.0	8.2	5.0	8.2	5.1	8.3	5.1	8.3	5.1	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.0	8.1	5.0
S	7.9	4.8	7.9	4.9	8.0	4.9	8.1	5.0	8.2	5.1	8.3	5.1	8.3	5.2	8.3	5.2	8.3	5.1	8.2	5.1	8.2	5.1	8.1	5.0
SW	8.0	4.9	8.1	5.0	8.2	5.0	8.3	5.1	8.3	5.1	8.4	5.2	8.5	5.2	8.5	5.2	8.5	5.3	8.5	5.2	8.4	5.2	8.4	5.2
W	7.9	4.9	7.9	4.9	8.0	5.0	8.1	5.0	8.2	5.1	8.2	5.1	8.2	5.1	8.3	5.1	8.3	5.2	8.3	5.1	8.3	5.1	8.2	5.1
NW	7.2	4.5	7.3	4.6	7.4	4.6	7.4	4.7	7.5	4.7	7.5	4.7	7.5	4.8	7.6	4.8	7.6	4.8	7.6	4.8	7.5	4.8	7.5	4.7
	R2 - 12cm Concrete+2 cm plaster																							
R	20.8	10.2	22.8	11.4	22.8	11.5	21.2	10.6	18.6	9.3	15.2	7.4	12.5	6.0	8.9	4.0	5.7	2.2	4.1	1.1	3.6	0.6	3.3	0.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TUNCELİ (39.07)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours

	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	10.4	8.5	10.2	8.3	10.0	8.1	9.9	8.0	9.7	7.8	9.3	7.4	9.3	7.4	9.2	7.3	9.1	7.2	9.0	7.1	9.1	7.1	9.9	7.6	10.7	8.2	11.2	8.7	11.8	9.2	12.3	9.7	12.6	9.9	12.8	10.2	12.7	10.2	12.7	10.2	12.5	10.1	12.1	9.8	11.8	9.5	11.3	9.1
NE	11.8	9.2	11.6	9.0	11.5	8.9	11.3	8.7	11.2	8.6	10.8	8.2	10.8	8.1	10.7	8.0	10.6	7.9	10.5	7.9	10.7	7.9	11.7	8.5	14.0	9.8	14.8	10.5	14.7	10.7	14.4	10.7	14.1	10.7	14.3	10.9	14.2	10.9	14.2	10.9	14.0	10.8	13.5	10.5	13.0	10.1	12.3	9.6
E	13.3	10.0	13.1	9.7	13.0	9.6	12.8	9.5	12.7	9.3	12.3	8.9	12.3	8.9	12.2	8.8	12.1	8.7	12.0	8.6	12.2	8.7	13.2	9.3	16.0	10.9	17.5	11.9	17.7	12.1	17.4	12.2	16.7	12.0	15.8	11.7	15.7	11.7	15.7	11.7	15.5	11.6	15.0	11.3	14.5	10.9	13.8	10.3
SE	13.3	10.0	13.1	9.7	13.0	9.6	12.8	9.5	12.7	9.3	12.3	8.9	12.3	8.9	12.2	8.8	12.1	8.7	12.0	8.6	12.0	8.6	13.0	9.2	15.1	10.4	16.7	11.4	17.3	12.0	17.6	12.3	17.5	12.4	17.0	12.3	16.0	11.8	15.7	11.7	15.5	11.6	15.0	11.3	14.5	10.9	13.8	10.3
S	12.5	9.5	12.2	9.3	12.1	9.2	12.0	9.0	11.8	8.9	11.4	8.5	11.4	8.4	11.3	8.4	11.2	8.3	11.1	8.2	11.1	8.1	11.8	8.6	12.6	9.1	13.5	9.9	14.6	10.6	15.6	11.3	16.3	11.8	16.6	12.1	16.5	12.0	16.1	11.9	15.4	11.5	14.4	11.0	13.6	10.4	12.9	9.9
SW	13.8	10.2	13.6	10.0	13.4	9.8	13.3	9.7	13.1	9.5	12.7	9.1	12.7	9.1	12.6	9.0	12.5	8.9	12.4	8.8	12.4	8.8	13.2	9.3	13.9	9.8	14.6	10.4	15.2	10.9	15.7	11.4	16.3	11.8	17.4	12.5	18.1	12.9	18.6	13.1	18.5	13.1	18.2	12.9	17.1	12.2	15.3	11.1
W	14.0	10.3	13.8	10.1	13.7	9.9	13.5	9.8	13.3	9.6	13.0	9.3	12.9	9.2	12.8	9.1	12.7	9.0	12.6	8.9	12.6	8.9	13.4	9.4	14.1	9.9	14.8	10.5	15.4	11.0	15.9	11.5	16.2	11.8	16.4	12.0	17.5	12.6	18.5	13.1	19.0	13.4	19.3	13.5	18.5	12.9	16.5	11.7
NW	12.4	9.5	12.1	9.2	12.0	9.1	11.8	9.0	11.7	8.8	11.3	8.4	11.3	8.4	11.2	8.3	11.1	8.2	11.0	8.1	11.0	8.1	11.7	8.6	12.4	9.1	13.2	9.7	13.7	10.2	14.3	10.7	14.6	10.9	14.8	11.2	14.7	11.2	15.3	11.5	16.0	11.8	16.5	12.0	16.1	11.7	14.6	10.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	11.0	8.8	10.7	8.6	10.6	8.5	10.6	8.5	10.5	8.4	10.5	8.4	10.3	8.2	10.3	8.2	10.3	8.2	10.3	8.2	10.2	8.1	10.3	8.1	10.5	8.3	10.8	8.5	10.9	8.6	11.1	8.8	11.3	9.0	11.4	9.0	11.5	9.1	11.4	9.1	11.4	9.1	11.4	9.1	11.2	9.0	11.1	8.9
NE	12.4	9.5	12.3	9.4	12.2	9.3	12.2	9.3	12.1	9.2	12.1	9.2	12.0	9.1	12.0	9.0	11.9	9.0	11.9	9.0	11.9	9.0	11.9	9.0	12.2	9.2	13.0	9.6	13.3	9.8	13.2	9.9	13.1	9.9	13.0	9.9	13.1	9.9	13.1	9.9	13.0	9.9	13.0	9.9	12.8	9.8	12.7	9.7
E	14.1	10.3	14.0	10.2	13.9	10.1	13.9	10.1	13.8	10.1	13.8	10.0	13.6	9.9	13.6	9.9	13.6	9.8	13.6	9.8	13.5	9.8	13.6	9.8	13.9	10.0	14.8	10.5	15.3	10.8	15.4	10.9	15.3	10.9	15.1	10.9	14.7	10.8	14.7	10.8	14.7	10.8	14.6	10.7	14.5	10.6	14.3	10.5
SE	14.1	10.3	14.0	10.2	13.9	10.1	13.9	10.1	13.8	10.1	13.8	10.0	13.6	9.9	13.6	9.9	13.6	9.8	13.6	9.8	13.5	9.8	13.5	9.8	13.9	10.0	14.5	10.4	15.0	10.7	15.3	10.9	15.3	11.0	15.3	11.0	15.1	11.0	14.8	10.8	14.7	10.8	14.6	10.7	14.5	10.6	14.3	10.5
S	13.1	9.8	13.0	9.7	12.9	9.7	12.9	9.6	12.8	9.6	12.8	9.5	12.7	9.4	12.6	9.4	12.6	9.4	12.6	9.3	12.6	9.3	12.5	9.3	12.8	9.4	13.0	9.6	13.3	9.8	13.7	10.1	14.0	10.3	14.2	10.5	14.3	10.6	14.3	10.5	14.2	10.5	13.9	10.4	13.6	10.2	13.4	10.0
SW	14.9	10.7	14.5	10.5	14.4	10.4	14.3	10.4	14.3	10.3	14.2	10.3	14.1	10.1	14.1	10.1	14.1	10.1	14.0	10.1	14.0	10.0	14.0	10.0	14.3	10.2	14.5	10.3	14.7	10.5	14.9	10.7	15.1	10.8	15.3	11.0	15.6	11.2	15.9	11.3	16.0	11.4	16.0	11.4	15.9	11.3	15.5	11.1
W	15.5	11.0	14.7	10.6	14.6	10.5	14.6	10.5	14.5	10.4	14.5	10.4	14.4	10.2	14.3	10.2	14.3	10.2	14.3	10.2	14.3	10.1	14.2	10.1	14.5	10.3	14.7	10.5	14.9	10.7	15.1	10.8	15.3	11.0	15.4	11.1	15.5	11.1	15.8	11.3	16.1	11.5	16.3	11.6	16.4	11.6	16.2	11.4
NW	13.6	10.1	12.9	9.7	12.8	9.6	12.8	9.6	12.7	9.5	12.7	9.5	12.5	9.3	12.5	9.3	12.5	9.3	12.5	9.3	12.4	9.2	12.4	9.2	12.7	9.4	12.9	9.5	13.1	9.7	13.3	9.9	13.5	10.1	13.6	10.1	13.6	10.2	13.6	10.2	13.8	10.3	14.0	10.4	14.2	10.5	14.1	10.4
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	11.0	8.8	10.6	8.6	10.5	8.5	10.5	8.4	10.4	8.3	10.3	8.3	10.2	8.1	10.2	8.1	10.1	8.0	10.1	8.0	10.0	8.0	10.1	8.0	10.4	8.2	10.8	8.4	11.0	8.7	11.2	8.9	11.5	9.1	11.6	9.2	11.7	9.3	11.7	9.3	11.6	9.3	11.6	9.3	11.4	9.1	11.3	9.0
NE	12.4	9.5	12.2	9.4	12.1	9.3	12.1	9.2	12.0	9.1	11.9	9.1	11.8	8.9	11.8	8.9	11.7	8.8	11.7	8.8	11.6	8.8	11.7	8.8	12.2	9.1	13.1	9.6	13.5	9.9	13.5	10.0	13.3	10.0	13.2	10.0	13.3	10.1	13.3	10.1	13.2	10.1	13.1	10.1	13.0	9.9	12.7	9.7
E	14.0	10.3	13.9	10.2	13.8	10.1	13.7	10.0	13.6	10.0	13.6	9.9	13.4	9.7	13.4	9.7	13.4	9.7	13.3	9.6	13.3	9.6	13.3	9.6	13.8	9.9	15.0	10.6	15.7	11.0	15.7	11.1	15.6	11.2	15.3	11.1	14.9	10.9	14.9	10.9	14.9	10.9	14.8	10.9	14.6	10.8	14.4	10.6
SE	14.0	10.3	13.9	10.2	13.8	10.1	13.7	10.0	13.6	10.0	13.6	9.9	13.4	9.7	13.4	9.7	13.3	9.7	13.3	9.6	13.3	9.6	13.3	9.6	13.7	9.8	14.6	10.4	15.3	10.8	15.6	11.1	15.7	11.2	15.7	11.2	15.4	11.2	15.0	11.0	14.9	10.9	14.8	10.9	14.6	10.8	14.4	10.6
S	13.1	9.8	12.9	9.7	12.8	9.6	12.8	9.5	12.7	9.5	12.6	9.4	12.5	9.2	12.4	9.2	12.4	9.2	12.4	9.1	12.3	9.1	12.3	9.1	12.6	9.3	12.9	9.5	13.4	9.8	13.9	10.2	14.3	10.5	14.6	10.7	14.7	10.8	14.6	10.8	14.5	10.7	14.2	10.6	13.8	10.3	13.4	10.1
SW	15.0	10.8	14.3	10.4	14.2	10.3	14.2	10.3	14.1	10.2	14.1	10.1	13.9	10.0	13.9	9.9	13.8	9.9	13.8	9.9	13.8	9.8	13.7	9.8	14.1	10.0	14.4	10.2	14.7	10.5	14.9	10.7	15.2	10.9	15.4	11.1	15.9	11.4	16.2	11.6	16.4	11.7	16.4	11.7	16.3	11.6	15.8	11.3
W	15.6	11.1	14.6	10.5	14.5	10.4	14.4	10.4	14.4	10.3	14.3	10.2	14.1	10.1	14.1	10.1	14.1	10.0	14.0	10.0	14.0	9.9	14.0	9.9	14.3	10.1	14.6	10.4	14.9	10.6	15.2	10.8	15.4	11.1	15.5	11.2	15.6	11.3	16.1	11.5	16.5	11.8	16.8	11.9	16.9	11.9	16.6	11.7
NW	13.8	10.2	12.8	9.6	12.7	9.5	12.6	9.5	12.6	9.4	12.5	9.3	12.3	9.2	12.3	9.2	12.3	9.1	12.2	9.1	12.2	9.0	12.2	9.0	12.5	9.2	12.8	9.5	13.1	9.7	13.4	9.9	13.6	10.2	13.8	10.3	13.8	10.4	13.8	10.4	14.1	10.5	14.4	10.7	14.6	10.7	14.4	10.6
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	11.1	8.9	10.6	8.5	10.5	8.4	10.4	8.4	10.3	8.3	10.2	8.2	10.1	8.0	10.0	8.0	10.0	7.9	9.9	7.9	9.9	7.8	9.9	7.8	10.3	8.1	10.8	8.4	11.0	8.7	11.3	8.9	11.6	9.2	11.7	9.3	11.9	9.4	11.8	9.4	11.8	9.4	11.7	9.4	11.5	9.2	11.3	9.1
NE	12.4	9.5	12.2	9.3	12.0	9.2	12.0	9.2	11.9	9.1	11.8	9.0	11.6	8.8	11.6	8.8	11.6	8.7	11.5	8.7	11.5	8.6	11.6	8.7	12.1	9.0	13.3	9.7	13.7	10.0	13.7	10.1	13.5	10.1	13.3	10.1	13.4	10.2	13.4	10.2	13.4	10.2	13.3	10.2	13.0	10.0	12.8	9.8
E	14.0	10.3	13.8	10.1	13.7	10.0	13.6	10.0	13.5	9.9	13.4	9.8	13.2	9.6	13.2	9.6	13.2	9.5	13.1	9.5	13.1	9.4	13.2	9.5	13.7	9.8	15.2	10.6	15.9	11.1	16.0	11.3	15.9	11.3	15.5	11.2	15.0	11.0	15.0	11.0	15.0	11.0	14.9	11.0	14.7	10.8	14.4	10.6
SE	14.0	10.3	13.8	10.1	13.7	10.0	13.6	10.0	13.5	9.9	13.4	9.8	13.2	9.6	13.2	9.6	13.2	9.5	13.1	9.5	13.1	9.4	13.1	9.4	13.6	9.7	14.7	10.4	15.5	10.9	15.9	11.2	16.0	11.4	15.9	11.4	15.7	11.3	15.2	11.1	15.0	11.0	14.9	11.0	14.7	10.8	14.4	10.6
S	13.1	9.8	12.8	9.7	12.7	9.6	12.7	9.5	12.6	9.4	12.5	9.3	12.3	9.1	12.3	9.1	12.2	9.1	12.2	9.0	12.1	9.0	12.1	8.9	12.5	9.2	12.9	9.5	13.4	9.8	14.0	10.2	14.5	10.6	14.8	10.9	15.0	11.0	14.9	11.0	14.7	10.9	14.4	10.7	13.9	10.4	13.4	10.1
SW	15.0	10.8	14.3	10.4	14.1	10.3	14.1	10.2	14.0	10.1	13.9	10.0	13.7	9.8	13.7	9.8	13.6	9.8	13.6	9.7	13.6	9.7	13.5	9.6	13.9	9.9	14.3	10.2	14.7	10.5	15.0	10.7	15.3	11.0	15.6	11.2	16.2	11.6	16.5	11.8	16.7	11.9	16.7	11.9	16.6	11.8	16.0	11.4
W	15.8	11.2	14.5	10.5	14.4	10.4	14.3	10.3	14.2	10.2	14.1	10.2	13.9	10.0	13.9	9.9	13.9	9.9	13.8	9.8	13.8	9.8	13.8	9.8	14.2	10.0	14.5	10.3	14.9	10.6	15.2	10.9	15.5	11.1	15.6	11.3	15.7	11.4	16.3	11.7	16.8	12.0	17.1	12.1	17.3	12.1	16.9	11.9
NW	13.9	10.3	12.7	9.6	12.6	9.5	12.5	9.4	12.5	9.3	12.4	9.3	12.2	9.1	12.2	9.0	12.1	9.0	12.1	8.9	12.0	8.9	12.0	8.9	12.4	9.1	12.8	9.4	13.1	9.7	13.4	10.0	13.7	10.2	13.9	10.4	14.0	10.5	14.0	10.5	14.3	10.7	14.6	10.8	14.9	10.9	14.7	10.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	17.3	9.9	17.2	9.8	17.2	9.8	17.1	9.8	17.1	9.7	17.0	9.6	16.9	9.6	16.9	9.6	16.9	9.5	16.9	9.5	16.9	9.5	17.2	9.7	17.7	10.0	18.3	10.4	18.7	10.6	19.0	10.9	19.3	11.0	19.4	11.1	19.3	11.1	19.1	11.0	18.8	10.9	18.5	10.7	18.0	10.4	17.5	10.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY:TUNCELİ (39.07)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	9.7	8.0	9.5	7.8	9.3	7.6	9.0	7.3	8.4	6.7	8.3	6.6	8.2	6.5	8.0	6.3	7.9	6.2	8.0	6.1	9.3	7.0	10.6	8.0	11.4	8.8	12.4	9.6	13.3	10.4	13.7	10.8	14.1	11.2	14.0	11.2	13.9	11.2	13.6	11.0	12.9	10.6	12.5	10.2	11.7	9.4	10.1	8.4
NE	11.0	8.7	10.8	8.5	10.6	8.2	10.3	8.0	9.7	7.4	9.6	7.3	9.5	7.1	9.3	7.0	9.2	6.8	9.5	6.9	11.1	7.9	14.9	10.1	16.3	11.2	16.2	11.5	15.6	11.5	15.1	11.5	15.4	11.8	15.3	11.8	15.2	11.9	14.9	11.7	14.2	11.2	13.3	10.5	12.1	9.6	11.4	9.0
E	12.4	9.3	12.2	9.2	11.9	8.9	11.7	8.6	11.1	8.0	11.0	7.9	10.8	7.8	10.7	7.6	10.5	7.5	10.8	7.6	12.6	8.7	17.2	11.2	19.6	12.8	19.8	13.3	19.4	13.4	18.3	13.1	16.7	12.5	16.6	12.5	16.6	12.5	16.2	12.4	15.5	11.9	14.6	11.2	13.5	10.3	12.7	9.7
SE	12.4	9.3	12.2	9.2	11.9	8.9	11.7	8.6	11.0	8.0	11.0	7.9	10.8	7.8	10.6	7.6	10.5	7.5	10.6	7.5	12.2	8.5	15.6	10.5	18.2	12.2	19.3	13.0	19.8	13.6	19.6	13.7	18.7	13.5	17.1	12.8	16.6	12.5	16.2	12.4	15.5	11.9	14.6	11.2	13.4	10.3	12.7	9.7
S	11.6	9.0	11.4	8.8	11.1	8.5	10.9	8.2	10.3	7.6	10.2	7.6	10.0	7.4	9.9	7.2	9.7	7.1	9.7	7.0	10.9	7.9	12.1	8.7	13.7	9.9	15.5	11.1	17.2	12.3	18.2	13.0	18.8	13.5	18.5	13.4	17.9	13.2	16.7	12.6	15.2	11.7	13.8	10.8	12.7	9.9	12.0	9.3
SW	12.8	9.5	12.6	9.4	12.3	9.1	12.1	8.8	11.4	8.2	11.4	8.1	11.2	8.0	11.0	7.8	10.9	7.7	10.9	7.6	12.1	8.4	13.3	9.3	14.5	10.3	15.4	11.1	16.3	11.9	17.3	12.6	19.1	13.7	20.3	14.3	21.0	14.8	20.9	14.7	20.5	14.4	18.6	13.2	15.6	11.4	13.2	9.9
W	13.0	9.6	12.8	9.5	12.5	9.2	12.2	8.9	11.6	8.3	11.6	8.2	11.4	8.1	11.2	7.9	11.1	7.8	11.0	7.7	12.3	8.5	13.5	9.4	14.6	10.4	15.6	11.2	16.5	12.0	17.0	12.4	17.3	12.8	19.2	13.8	20.7	14.6	21.6	15.1	22.1	15.2	20.8	14.3	17.4	12.3	13.4	10.0
NW	11.5	8.9	11.3	8.7	11.0	8.4	10.8	8.2	10.2	7.6	10.1	7.5	9.9	7.4	9.8	7.2	9.6	7.1	9.6	7.0	10.8	7.8	12.0	8.6	13.2	9.6	14.1	10.4	15.0	11.2	15.5	11.7	15.8	12.1	15.8	12.1	16.7	12.6	17.8	13.2	18.6	13.5	18.1	12.9	15.5	11.3	11.9	9.3
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.0	8.8	10.9	8.7	10.8	8.6	10.7	8.6	10.7	8.5	10.7	8.5	10.6	8.5	10.6	8.4	10.6	8.4	10.6	8.4	10.6	8.4	10.5	8.4	10.5	8.4	10.7	8.5	10.8	8.6	10.9	8.6	11.0	8.7	11.1	8.8	11.1	8.8	11.1	8.9	11.1	8.9	11.1	8.9	11.1	8.8	11.0	8.8
NE	12.6	9.6	12.5	9.5	12.4	9.4	12.4	9.4	12.4	9.4	12.3	9.3	12.3	9.3	12.3	9.3	12.2	9.3	12.2	9.2	12.2	9.2	12.2	9.2	12.2	9.2	12.4	9.3	12.7	9.5	12.9	9.6	12.9	9.7	12.8	9.7	12.8	9.7	12.8	9.7	12.8	9.7	12.8	9.7	12.7	9.7	12.7	9.6
E	14.3	10.4	14.2	10.3	14.1	10.3	14.1	10.2	14.1	10.2	14.0	10.2	14.0	10.2	14.0	10.1	13.9	10.1	13.9	10.1	13.9	10.1	13.9	10.1	13.9	10.1	14.1	10.2	14.5	10.4	14.8	10.6	14.8	10.6	14.8	10.6	14.6	10.6	14.5	10.5	14.5	10.5	14.5	10.6	14.5	10.5	14.4	10.5
SE	14.3	10.4	14.2	10.3	14.1	10.3	14.1	10.2	14.1	10.2	14.0	10.2	14.0	10.2	14.0	10.1	13.9	10.1	13.9	10.1	13.9	10.1	13.9	10.1	13.9	10.1	14.1	10.2	14.4	10.4	14.6	10.5	14.7	10.6	14.8	10.7	14.8	10.7	14.7	10.6	14.5	10.6	14.5	10.5	14.5	10.5	14.4	10.5
S	13.3	9.9	13.2	9.8	13.1	9.8	13.1	9.7	13.1	9.7	13.0	9.7	13.0	9.7	13.0	9.6	13.0	9.6	12.9	9.6	12.9	9.6	12.9	9.6	12.9	9.6	13.0	9.6	13.1	9.7	13.3	9.8	13.5	10.0	13.6	10.1	13.7	10.1	13.8	10.2	13.8	10.2	13.7	10.2	13.6	10.1	13.4	10.0
SW	15.1	10.8	14.9	10.7	14.6	10.5	14.6	10.5	14.6	10.5	14.5	10.5	14.5	10.4	14.5	10.4	14.4	10.4	14.4	10.3	14.4	10.3	14.4	10.3	14.4	10.3	14.5	10.4	14.6	10.5	14.7	10.6	14.8	10.6	14.9	10.7	15.0	10.8	15.2	10.9	15.3	11.0	15.4	11.0	15.4	11.0	15.3	11.0
W	15.6	11.1	15.2	10.9	14.9	10.7	14.8	10.6	14.8	10.6	14.8	10.6	14.8	10.5	14.7	10.5	14.7	10.5	14.7	10.5	14.7	10.5	14.6	10.4	14.6	10.4	14.8	10.5	14.9	10.6	15.0	10.7	15.1	10.8	15.2	10.8	15.2	10.9	15.2	10.9	15.4	11.0	15.6	11.1	15.7	11.1	15.7	11.1
NW	13.6	10.1	13.3	9.9	13.0	9.7	13.0	9.7	12.9	9.7	12.9	9.6	12.9	9.6	12.8	9.6	12.8	9.5	12.8	9.5	12.8	9.5	12.8	9.5	12.8	9.5	12.9	9.6	13.0	9.7	13.1	9.8	13.2	9.8	13.3	9.9	13.3	9.9	13.4	10.0	13.4	10.0	13.5	10.0	13.6	10.1	13.6	10.1
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	11.1	8.8	10.6	8.5	10.5	8.4	10.4	8.4	10.4	8.3	10.3	8.2	10.1	8.0	10.1	8.0	10.0	8.0	10.0	7.9	9.9	7.9	10.0	7.9	10.4	8.1	10.8	8.4	11.0	8.7	11.3	8.9	11.5	9.1	11.7	9.3	11.8	9.4	11.8	9.4	11.7	9.4	11.6	9.3	11.4	9.2	11.3	9.1
NE	12.4	9.5	12.2	9.3	12.1	9.2	12.0	9.2	11.9	9.1	11.9	9.0	11.7	8.8	11.7	8.8	11.6	8.8	11.6	8.7	11.5	8.7	11.6	8.7	12.1	9.0	13.2	9.6	13.6	10.0	13.6	10.1	13.4	10.1	13.3	10.1	13.4	10.2	13.3	10.2	13.3	10.2	13.2	10.1	13.0	10.0	12.7	9.8
E	14.0	10.3	13.8	10.2	13.7	10.0	13.6	10.0	13.6	9.9	13.5	9.8	13.3	9.7	13.3	9.6	13.2	9.6	13.2	9.5	13.2	9.5	13.2	9.5	13.8	9.8	15.1	10.6	15.8	11.1	15.9	11.2	15.8	11.3	15.5	11.2	15.0	11.0	15.0	11.0	14.9	11.0	14.8	10.9	14.6	10.8	14.4	10.6
SE	14.0	10.3	13.8	10.2	13.7	10.0	13.6	10.0	13.6	9.9	13.5	9.8	13.3	9.7	13.3	9.6	13.2	9.6	13.2	9.5	13.2	9.5	13.2	9.5	13.6	9.8	14.7	10.4	15.4	10.9	15.8	11.1	15.9	11.3	15.8	11.3	15.6	11.3	15.1	11.1	14.9	11.0	14.8	10.9	14.6	10.8	14.4	10.6
S	13.1	9.8	12.9	9.7	12.8	9.6	12.7	9.5	12.6	9.4	12.5	9.4	12.4	9.2	12.3	9.2	12.3	9.1	12.3	9.1	12.2	9.0	12.2	9.0	12.6	9.2	12.9	9.5	13.4	9.8	13.9	10.2	14.4	10.6	14.7	10.8	14.9	10.9	14.8	10.9	14.6	10.8	14.3	10.7	13.8	10.4	13.4	10.1
SW	15.0	10.8	14.3	10.4	14.2	10.3	14.1	10.2	14.0	10.2	14.0	10.1	13.8	9.9	13.8	9.9	13.7	9.8	13.7	9.8	13.6	9.7	13.6	9.7	14.0	10.0	14.3	10.2	14.7	10.5	15.0	10.7	15.2	11.0	15.5	11.2	16.1	11.5	16.4	11.7	16.6	11.8	16.6	11.8	16.5	11.7	15.9	11.4
W	15.7	11.2	14.5	10.5	14.4	10.4	14.4	10.3	14.3	10.3	14.2	10.2	14.0	10.0	14.0	10.0	14.0	9.9	13.9	9.9	13.9	9.9	13.8	9.8	14.2	10.1	14.6	10.3	14.9	10.6	15.2	10.9	15.5	11.1	15.6	11.2	15.7	11.3	16.2	11.6	16.7	11.9	17.0	12.0	17.1	12.0	16.7	11.8
NW	13.8	10.2	12.8	9.6	12.6	9.5	12.6	9.5	12.5	9.4	12.4	9.3	12.2	9.1	12.2	9.1	12.2	9.1	12.1	9.0	12.1	9.0	12.1	8.9	12.4	9.2	12.8	9.4	13.1	9.7	13.4	10.0	13.7	10.2	13.8	10.3	13.9	10.4	13.9	10.4	14.2	10.6	14.5	10.8	14.7	10.9	14.6	10.7
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	11.0	8.7	10.9	8.7	10.8	8.6	10.7	8.6	10.7	8.6	10.7	8.5	10.7	8.5	10.6	8.5	10.6	8.5	10.6	8.4	10.6	8.4	10.6	8.4	10.6	8.4	10.7	8.5	10.8	8.6	10.9	8.6	10.9	8.7	11.0	8.7	11.0	8.8	11.1	8.8	11.1	8.8	11.1	8.8	11.0	8.8	11.0	8.8
NE	12.6	9.5	12.5	9.5	12.4	9.4	12.4	9.4	12.4	9.4	12.4	9.4	12.3	9.3	12.3	9.3	12.3	9.3	12.3	9.3	12.3	9.3	12.3	9.3	12.3	9.3	12.4	9.3	12.7	9.5	12.8	9.6	12.8	9.6	12.8	9.6	12.7	9.6	12.7	9.6	12.7	9.6	12.7	9.7	12.7	9.6	12.7	9.6
E	14.3	10.4	14.2	10.3	14.1	10.3	14.1	10.3	14.1	10.2	14.1	10.2	14.1	10.2	14.0	10.2	14.0	10.2	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1	14.1	10.2	14.5	10.4	14.7	10.5	14.7	10.6	14.7	10.6	14.6	10.6	14.5	10.5	14.4	10.5	14.4	10.5	14.4	10.5	14.4	10.5
SE	14.3	10.4	14.2	10.3	14.1	10.3	14.1	10.3	14.1	10.2	14.1	10.2	14.1	10.2	14.0	10.2	14.0	10.2	14.0	10.1	14.0	10.1	14.0	10.1	14.0	10.1	14.1	10.2	14.4	10.3	14.6	10.5	14.7	10.6	14.7	10.6	14.7	10.6	14.6	10.6	14.5	10.5	14.4	10.5	14.4	10.5	14.4	10.5
S	13.3	9.9	13.2	9.8	13.1	9.8	13.1	9.8	13.1	9.7	13.1	9.7	13.1	9.7	13.0	9.7	13.0	9.7	13.0	9.6	13.0	9.6	13.0	9.6	13.0	9.6	13.1	9.7	13.2	9.7	13.3	9.8	13.4	9.9	13.6	10.0	13.6	10.1	13.7	10.1	13.7	10.1	13.6	10.1	13.5	10.1	13.4	10.0
SW	15.1	10.8	14.8	10.7	14.6	10.5	14.6	10.5	14.6	10.5	14.6	10.5	14.6	10.5	14.5	10.4	14.5	10.4	14.5	10.4	14.5	10.4	14.5	10.4	14.5	10.4	14.6	10.4	14.7	10.5	14.7	10.6	14.8	10.6	14.9	10.7	15.0	10.8	15.1	10.8	15.2	10.9	15.3	10.9	15.3	10.9	15.2	10.9
W	15.5	11.0	15.2	10.8	14.9	10.7	14.9	10.6	14.8	10.6	14.8	10.6	14.8	10.6	14.8	10.5	14.7	10.5	14.7	10.5	14.7	10.5	14.7	10.5	14.7	10.5	14.8	10.5	14.9	10.6	15.0	10.7	15.1	10.8	15.1	10.8	15.2	10.9	15.2	10.9	15.3	11.0	15.5	11.0	15.5	11.1	15.6	11.1
NW	13.5	10.0	13.3	9.9	13.0	9.7	13.0	9.7	13.0	9.7	13.0	9.7	12.9	9.6	12.9	9.6	12.9	9.6	12.9	9.6	12.9	9.6	12.8	9.6	12.8	9.5	12.9	9.6	13.0	9.7	13.1	9.8	13.2	9.8	13.3	9.9	13.3	9.9	13.3	9.9	13.3	9.9	13.4	10.0	13.5	10.0	13.5	10.1
	R2 - 12cm Concrete+2 cm plaster																																															
R	9.3	5.4	8.8	4.8	7.5	3.6	7.4	3.4	7.1	3.1	6.7	2.7	6.5	2.5	6.4	2.3	10.5	4.8	16.7	8.4	23.1	12.5	27.9	15.5	31.7	18.2	34.3	19.9	35.6	21.0	34.8	20.7	32.8	19.9	29.6	18.3	25.7	16.1	20.1	12.8	14.2	9.1	11.1	7.1	10.3	6.3	9.9	5.9

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: UŞAK (38.41)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.5	5.5	7.2	5.2	7.0	5.0	6.9	4.9	6.7	4.7	6.5	4.5	6.3	4.3	6.2	4.2	6.1	4.1	6.0	4.1	6.3	4.2	7.2	4.8	7.9	5.4	8.5	5.9	8.8	6.2	9.2	6.6	9.5	6.8	9.6	6.9	9.6	7.0	9.6	7.0	9.3	6.8	9.1	6.6	9.2	6.6	8.8	6.3
NE	8.5	6.0	8.2	5.7	8.0	5.6	7.9	5.4	7.7	5.2	7.5	5.0	7.3	4.9	7.2	4.7	7.1	4.7	7.1	4.6	7.4	4.7	9.0	5.7	10.4	6.7	11.4	7.4	11.1	7.4	10.5	7.2	10.5	7.3	10.6	7.4	10.6	7.5	10.6	7.5	10.3	7.3	9.9	7.1	9.5	6.7	8.9	6.3
E	9.9	6.7	9.6	6.4	9.5	6.3	9.3	6.1	9.2	5.9	8.9	5.7	8.8	5.6	8.7	5.4	8.6	5.4	8.5	5.3	8.9	5.5	10.6	6.5	12.4	7.7	14.0	8.7	14.1	8.9	13.5	8.7	12.6	8.3	12.1	8.1	12.1	8.2	12.0	8.2	11.8	8.1	11.4	7.8	10.9	7.5	10.4	7.0
SE	9.9	6.7	9.6	6.4	9.5	6.3	9.3	6.1	9.2	5.9	8.9	5.7	8.8	5.6	8.7	5.4	8.6	5.4	8.5	5.3	8.7	5.4	10.1	6.3	11.7	7.3	13.3	8.3	14.0	8.8	14.0	8.9	13.5	8.8	12.8	8.5	12.1	8.2	12.0	8.2	11.8	8.1	11.4	7.8	10.9	7.5	10.4	7.0
S	9.2	6.4	9.0	6.1	8.8	5.9	8.6	5.8	8.5	5.6	8.2	5.4	8.1	5.2	8.0	5.1	7.9	5.0	7.8	4.9	8.0	5.0	8.8	5.6	9.6	6.3	10.6	7.0	11.6	7.6	12.4	8.2	12.9	8.5	13.0	8.6	12.9	8.6	12.4	8.4	11.6	7.9	10.7	7.4	10.2	7.1	9.7	6.7
SW	11.2	7.3	10.9	7.1	10.7	6.9	10.6	6.7	10.4	6.6	10.2	6.3	10.0	6.2	9.9	6.1	9.8	6.0	9.7	5.9	9.9	6.0	10.7	6.6	11.6	7.2	12.2	7.8	12.5	8.1	12.9	8.4	13.9	9.0	14.9	9.6	15.8	10.1	16.1	10.3	16.1	10.2	15.4	9.8	14.2	9.1	12.7	8.2
W	12.0	7.7	11.7	7.5	11.5	7.3	11.4	7.1	11.2	7.0	11.0	6.7	10.8	6.6	10.7	6.5	10.6	6.4	10.5	6.3	10.7	6.4	11.5	7.0	12.3	7.6	12.9	8.2	13.3	8.5	13.7	8.8	14.0	9.0	14.7	9.5	16.1	10.2	17.0	10.7	17.6	11.0	17.6	10.9	16.6	10.3	14.9	9.3
NW	10.1	6.8	9.9	6.5	9.7	6.4	9.5	6.2	9.4	6.1	9.1	5.8	9.0	5.7	8.9	5.6	8.8	5.5	8.7	5.4	8.9	5.5	9.7	6.1	10.5	6.7	11.1	7.2	11.5	7.5	11.9	7.9	12.2	8.1	12.3	8.3	12.6	8.5	13.6	9.0	14.4	9.3	14.7	9.4	14.2	9.1	13.0	8.3
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	8.2	5.8	7.7	5.5	7.7	5.5	7.6	5.4	7.6	5.3	7.5	5.3	7.4	5.2	7.4	5.2	7.3	5.1	7.3	5.1	7.3	5.1	7.4	5.1	7.7	5.3	7.9	5.5	8.1	5.7	8.2	5.8	8.3	5.9	8.4	6.0	8.4	6.0	8.4	6.0	8.4	6.0	8.3	6.0	8.3	5.9	8.3	5.9
NE	9.0	6.2	8.9	6.1	8.8	6.0	8.7	6.0	8.7	5.9	8.6	5.9	8.6	5.8	8.5	5.7	8.5	5.7	8.4	5.7	8.4	5.7	8.5	5.7	9.0	6.0	9.5	6.3	9.8	6.5	9.7	6.6	9.5	6.5	9.5	6.5	9.6	6.6	9.6	6.6	9.6	6.6	9.5	6.5	9.3	6.5	9.2	6.3
E	10.6	7.0	10.5	6.9	10.4	6.8	10.3	6.8	10.3	6.7	10.2	6.7	10.2	6.6	10.1	6.5	10.1	6.5	10.0	6.5	10.0	6.4	10.1	6.5	10.7	6.8	11.3	7.2	11.8	7.5	11.8	7.6	11.6	7.5	11.3	7.4	11.2	7.4	11.2	7.4	11.1	7.4	11.1	7.3	10.9	7.2	10.8	7.1
SE	10.6	7.0	10.5	6.9	10.4	6.8	10.3	6.8	10.3	6.7	10.2	6.7	10.2	6.6	10.1	6.5	10.1	6.5	10.0	6.5	10.0	6.4	10.1	6.5	10.5	6.8	11.1	7.1	11.6	7.4	11.8	7.6	11.8	7.6	11.6	7.6	11.4	7.5	11.2	7.4	11.1	7.4	11.1	7.3	10.9	7.2	10.8	7.1
S	9.8	6.6	9.7	6.5	9.6	6.4	9.6	6.4	9.5	6.3	9.5	6.3	9.4	6.2	9.3	6.2	9.3	6.1	9.3	6.1	9.2	6.1	9.3	6.1	9.6	6.3	9.8	6.5	10.2	6.7	10.5	6.9	10.7	7.1	10.9	7.2	10.9	7.2	10.9	7.2	10.7	7.2	10.5	7.0	10.2	6.9	10.0	6.8
SW	12.4	7.9	11.9	7.6	11.8	7.5	11.7	7.5	11.7	7.4	11.6	7.4	11.5	7.3	11.5	7.2	11.5	7.2	11.4	7.2	11.4	7.1	11.5	7.2	11.7	7.4	12.0	7.6	12.2	7.7	12.3	7.8	12.4	7.9	12.7	8.1	13.1	8.3	13.3	8.5	13.5	8.5	13.4	8.5	13.2	8.4	12.9	8.2
W	13.7	8.5	12.7	8.0	12.6	7.9	12.6	7.9	12.5	7.8	12.5	7.8	12.4	7.7	12.4	7.7	12.3	7.6	12.3	7.6	12.3	7.6	12.3	7.6	12.6	7.8	12.9	8.0	13.0	8.2	13.2	8.3	13.3	8.4	13.4	8.5	13.6	8.6	14.1	8.8	14.4	9.0	14.6	9.1	14.5	9.0	14.2	8.9
NW	11.6	7.5	10.7	7.0	10.6	6.9	10.6	6.9	10.5	6.8	10.5	6.8	10.4	6.7	10.3	6.7	10.3	6.6	10.3	6.6	10.3	6.6	10.3	6.6	10.6	6.8	10.8	7.0	11.0	7.2	11.1	7.3	11.3	7.4	11.4	7.4	11.4	7.5	11.5	7.6	11.8	7.7	12.1	7.8	12.2	7.9	12.0	7.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	8.3	5.9	7.7	5.5	7.6	5.4	7.5	5.3	7.4	5.3	7.4	5.2	7.3	5.1	7.2	5.0	7.1	5.0	7.1	4.9	7.1	4.9	7.2	5.0	7.6	5.3	7.9	5.5	8.1	5.7	8.3	5.9	8.5	6.0	8.6	6.1	8.6	6.2	8.6	6.2	8.6	6.2	8.5	6.1	8.4	6.0	8.5	6.0
NE	9.0	6.2	8.8	6.1	8.7	6.0	8.6	5.9	8.6	5.8	8.5	5.8	8.4	5.7	8.3	5.6	8.3	5.5	8.2	5.5	8.2	5.5	8.3	5.5	9.0	6.0	9.7	6.4	10.1	6.7	10.0	6.7	9.7	6.6	9.7	6.7	9.7	6.7	9.7	6.7	9.7	6.7	9.6	6.7	9.4	6.6	9.3	6.4
E	10.6	7.0	10.4	6.9	10.3	6.8	10.2	6.7	10.1	6.6	10.0	6.5	9.9	6.4	9.9	6.4	9.8	6.3	9.8	6.3	9.8	6.3	9.9	6.3	10.7	6.8	11.5	7.3	12.1	7.7	12.2	7.8	12.0	7.7	11.5	7.6	11.3	7.5	11.3	7.5	11.3	7.5	11.2	7.5	11.0	7.3	10.8	7.2
SE	10.6	7.0	10.4	6.9	10.3	6.8	10.2	6.7	10.1	6.6	10.0	6.5	9.9	6.4	9.9	6.4	9.8	6.3	9.8	6.3	9.8	6.3	9.9	6.3	10.5	6.7	11.2	7.1	11.9	7.6	12.2	7.8	12.2	7.8	11.9	7.8	11.6	7.7	11.3	7.5	11.3	7.5	11.2	7.5	11.0	7.3	10.8	7.2
S	9.8	6.6	9.6	6.5	9.5	6.4	9.4	6.3	9.4	6.2	9.3	6.2	9.2	6.1	9.1	6.0	9.1	5.9	9.0	5.9	9.0	5.9	9.1	5.9	9.4	6.2	9.8	6.5	10.2	6.8	10.7	7.0	11.0	7.3	11.2	7.4	11.3	7.5	11.2	7.5	11.0	7.4	10.6	7.2	10.3	7.0	10.1	6.8
SW	12.4	7.9	11.7	7.5	11.6	7.4	11.6	7.4	11.5	7.3	11.4	7.2	11.3	7.1	11.3	7.1	11.2	7.0	11.2	7.0	11.1	6.9	11.2	7.0	11.6	7.2	11.9	7.5	12.2	7.7	12.3	7.9	12.5	8.0	12.9	8.3	13.4	8.5	13.8	8.7	13.9	8.8	13.9	8.8	13.6	8.6	13.1	8.3
W	13.9	8.7	12.6	8.0	12.5	7.9	12.4	7.8	12.3	7.7	12.3	7.6	12.2	7.5	12.1	7.5	12.0	7.4	12.0	7.4	12.0	7.4	12.1	7.4	12.4	7.7	12.8	7.9	13.0	8.2	13.2	8.3	13.4	8.5	13.5	8.5	13.8	8.7	14.4	9.1	14.8	9.3	15.1	9.4	15.0	9.3	14.6	9.1
NW	11.9	7.7	10.6	7.0	10.5	6.9	10.4	6.8	10.4	6.7	10.3	6.7	10.2	6.6	10.1	6.5	10.1	6.4	10.0	6.4	10.0	6.4	10.1	6.4	10.4	6.7	10.8	6.9	11.0	7.2	11.2	7.3	11.4	7.5	11.5	7.6	11.6	7.6	11.7	7.7	12.1	7.9	12.5	8.1	12.6	8.1	12.4	8.0
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	8.4	5.9	7.7	5.5	7.5	5.4	7.4	5.3	7.4	5.2	7.3	5.1	7.1	5.0	7.1	4.9	7.0	4.9	7.0	4.8	6.9	4.8	7.0	4.8	7.5	5.2	7.9	5.5	8.2	5.7	8.4	5.9	8.6	6.1	8.7	6.2	8.8	6.3	8.8	6.3	8.8	6.3	8.6	6.2	8.5	6.1	8.6	6.1
NE	9.0	6.3	8.8	6.1	8.6	5.9	8.5	5.8	8.5	5.8	8.4	5.7	8.2	5.6	8.2	5.5	8.1	5.4	8.1	5.4	8.0	5.3	8.2	5.4	9.0	5.9	9.8	6.4	10.3	6.8	10.2	6.8	9.8	6.7	9.8	6.8	9.9	6.8	9.9	6.9	9.9	6.9	9.7	6.8	9.5	6.6	9.3	6.5
E	10.5	7.0	10.3	6.8	10.2	6.7	10.1	6.6	10.0	6.5	9.9	6.4	9.8	6.3	9.7	6.3	9.6	6.2	9.6	6.1	9.6	6.1	9.8	6.2	10.7	6.7	11.6	7.4	12.4	7.9	12.5	8.0	12.2	7.9	11.7	7.7	11.4	7.6	11.4	7.6	11.4	7.6	11.3	7.5	11.1	7.4	10.8	7.2
SE	10.5	7.0	10.3	6.8	10.2	6.7	10.1	6.6	10.0	6.5	9.9	6.4	9.8	6.3	9.7	6.3	9.6	6.2	9.6	6.1	9.6	6.1	9.7	6.2	10.4	6.6	11.3	7.2	12.1	7.7	12.4	7.9	12.4	8.0	12.2	7.9	11.8	7.8	11.4	7.6	11.4	7.6	11.3	7.5	11.1	7.4	10.8	7.2
S	9.8	6.7	9.6	6.5	9.4	6.3	9.3	6.2	9.3	6.2	9.2	6.1	9.0	6.0	9.0	5.9	8.9	5.8	8.9	5.8	8.8	5.7	8.9	5.8	9.3	6.1	9.8	6.4	10.3	6.8	10.8	7.1	11.2	7.4	11.5	7.6	11.5	7.7	11.5	7.7	11.2	7.5	10.8	7.3	10.3	7.0	10.1	6.9
SW	12.5	8.0	11.7	7.5	11.5	7.4	11.4	7.3	11.3	7.2	11.3	7.1	11.1	7.0	11.1	6.9	11.0	6.9	11.0	6.8	10.9	6.8	11.0	6.8	11.4	7.1	11.9	7.5	12.2	7.7	12.4	7.9	12.6	8.1	13.1	8.4	13.6	8.7	14.1	8.9	14.2	9.1	14.2	9.0	13.9	8.8	13.3	8.4
W	14.0	8.8	12.5	7.9	12.4	7.8	12.3	7.7	12.2	7.6	12.1	7.5	12.0	7.4	11.9	7.3	11.8	7.3	11.8	7.2	11.8	7.2	11.9	7.2	12.3	7.5	12.7	7.9	13.0	8.2	13.2	8.3	13.4	8.5	13.6	8.6	14.0	8.9	14.6	9.2	15.2	9.5	15.5	9.6	15.4	9.6	14.9	9.3
NW	12.0	7.8	10.5	7.0	10.4	6.8	10.3	6.7	10.2	6.6	10.1	6.6	10.0	6.4	9.9	6.4	9.9	6.3	9.8	6.3	9.8	6.2	9.9	6.3	10.3	6.6	10.7	6.9	11.1	7.2	11.2	7.3	11.5	7.5	11.6	7.6	11.7	7.7	11.8	7.8	12.4	8.1	12.7	8.3	12.9	8.3	12.7	8.2
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	14.9	7.2	14.9	7.1	14.8	7.1	14.8	7.0	14.7	7.0	14.7	6.9	14.6	6.9	14.6	6.8	14.6	6.8	14.5	6.8	14.6	6.8	15.0	7.1	15.5	7.4	16.1	7.7	16.5	8.0	16.8	8.2	17.0	8.3	17.0	8.3	17.0	8.3	16.8	8.2	16.5	8.1	16.1	7.9	15.6	7.6	15.2	7.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: UŞAK (38.41)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	6.8	5.0	6.5	4.7	6.2	4.4	5.9	4.2	5.6	3.8	5.3	3.6	5.1	3.4	5.0	3.2	4.9	3.1	5.3	3.3	6.8	4.4	8.0	5.3	8.8	6.1	9.4	6.6	10.1	7.2	10.5	7.6	10.7	7.8	10.7	7.9	10.6	7.9	10.2	7.6	9.9	7.3	10.1	7.2	9.4	6.7	7.2	5.4
NE	7.7	5.4	7.4	5.2	7.1	4.9	6.9	4.6	6.5	4.2	6.2	4.0	6.0	3.8	5.9	3.7	5.8	3.5	6.3	3.8	9.0	5.4	11.3	7.0	12.8	8.1	12.5	8.2	11.5	7.9	11.4	8.0	11.6	8.2	11.6	8.3	11.6	8.3	11.1	8.1	10.5	7.6	9.8	7.1	8.8	6.4	8.1	5.9
E	9.0	6.1	8.7	5.8	8.4	5.5	8.1	5.3	7.8	4.9	7.5	4.7	7.3	4.4	7.2	4.3	7.1	4.2	7.6	4.5	10.5	6.2	13.5	8.1	16.0	9.7	16.3	10.1	15.3	9.8	13.7	9.2	12.9	8.9	12.9	9.0	12.8	9.0	12.4	8.7	11.8	8.3	11.1	7.7	10.1	7.1	9.4	6.5
SE	8.9	6.1	8.7	5.8	8.4	5.5	8.1	5.3	7.7	4.9	7.5	4.7	7.3	4.4	7.2	4.3	7.1	4.2	7.5	4.4	9.7	5.8	12.4	7.5	15.0	9.2	16.1	10.0	16.1	10.2	15.3	9.9	14.1	9.5	12.9	9.0	12.8	9.0	12.4	8.7	11.8	8.3	11.1	7.7	10.1	7.1	9.4	6.5
S	8.3	5.8	8.1	5.5	7.8	5.2	7.5	5.0	7.1	4.6	6.9	4.3	6.7	4.1	6.6	4.0	6.4	3.9	6.7	4.0	8.0	5.0	9.4	6.1	11.0	7.2	12.6	8.2	14.0	9.2	14.7	9.7	15.0	9.9	14.8	9.9	14.0	9.5	12.6	8.8	11.2	8.0	10.4	7.4	9.5	6.8	8.8	6.2
SW	10.1	6.6	9.8	6.4	9.5	6.1	9.3	5.8	8.9	5.4	8.7	5.2	8.4	5.0	8.3	4.9	8.2	4.7	8.5	4.9	9.8	5.8	11.2	6.9	12.2	7.8	12.7	8.3	13.4	8.9	15.0	9.8	16.7	10.8	18.1	11.6	18.7	11.9	18.6	11.8	17.5	11.1	15.6	10.0	13.1	8.6	10.5	7.1
W	10.8	7.0	10.5	6.7	10.2	6.4	10.0	6.2	9.6	5.8	9.4	5.6	9.1	5.4	9.0	5.2	8.9	5.1	9.2	5.2	10.5	6.2	11.9	7.3	12.9	8.1	13.4	8.6	14.1	9.2	14.5	9.6	15.8	10.3	18.0	11.5	19.6	12.4	20.5	12.8	20.4	12.6	18.9	11.6	16.0	10.0	11.2	7.4
NW	9.1	6.2	8.9	5.9	8.6	5.6	8.3	5.4	7.9	5.0	7.7	4.8	7.5	4.5	7.4	4.4	7.2	4.3	7.5	4.4	8.9	5.4	10.2	6.5	11.2	7.3	11.8	7.8	12.5	8.4	12.9	8.8	13.1	9.0	13.6	9.3	15.3	10.2	16.5	10.8	17.0	10.9	16.3	10.4	14.3	9.1	9.6	6.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.1	5.7	8.0	5.7	7.8	5.6	7.8	5.5	7.7	5.5	7.7	5.5	7.7	5.4	7.7	5.4	7.6	5.4	7.6	5.4	7.6	5.3	7.6	5.3	7.6	5.4	7.8	5.5	7.9	5.5	8.0	5.6	8.0	5.7	8.1	5.7	8.1	5.8	8.2	5.8	8.1	5.8	8.1	5.8	8.1	5.8	8.1	5.7
NE	9.1	6.3	9.0	6.2	9.0	6.1	8.9	6.1	8.9	6.1	8.9	6.0	8.9	6.0	8.8	6.0	8.8	6.0	8.8	5.9	8.8	5.9	8.7	5.9	8.8	5.9	9.1	6.1	9.3	6.2	9.4	6.4	9.4	6.4	9.3	6.3	9.3	6.3	9.3	6.4	9.3	6.4	9.3	6.4	9.3	6.3	9.2	6.3
E	10.8	7.1	10.7	7.0	10.6	7.0	10.6	6.9	10.5	6.9	10.5	6.9	10.5	6.8	10.5	6.8	10.4	6.8	10.4	6.8	10.4	6.7	10.4	6.7	10.4	6.8	10.7	6.9	11.0	7.1	11.2	7.3	11.3	7.3	11.2	7.3	11.0	7.2	10.9	7.2	10.9	7.2	10.9	7.2	10.9	7.2	10.8	7.1
SE	10.8	7.1	10.7	7.0	10.6	7.0	10.6	6.9	10.5	6.9	10.5	6.9	10.5	6.8	10.5	6.8	10.4	6.8	10.4	6.8	10.4	6.7	10.4	6.7	10.4	6.7	10.6	6.9	10.9	7.0	11.1	7.2	11.2	7.3	11.2	7.3	11.2	7.3	11.1	7.2	10.9	7.2	10.9	7.2	10.9	7.2	10.8	7.1
S	10.0	6.7	9.9	6.6	9.8	6.6	9.8	6.5	9.8	6.5	9.7	6.5	9.7	6.4	9.7	6.4	9.6	6.4	9.6	6.4	9.6	6.4	9.6	6.3	9.6	6.4	9.8	6.4	9.9	6.5	10.0	6.7	10.2	6.8	10.3	6.8	10.4	6.9	10.4	6.9	10.4	6.9	10.3	6.9	10.2	6.8	10.1	6.7
SW	12.5	7.9	12.3	7.8	12.0	7.7	12.0	7.6	12.0	7.6	11.9	7.6	11.9	7.5	11.9	7.5	11.9	7.5	11.8	7.5	11.8	7.5	11.8	7.4	11.8	7.5	12.0	7.5	12.1	7.6	12.2	7.7	12.2	7.8	12.3	7.8	12.5	7.9	12.6	8.0	12.8	8.1	12.8	8.1	12.8	8.1	12.7	8.1
W	13.6	8.5	13.4	8.4	12.9	8.1	12.9	8.1	12.8	8.0	12.8	8.0	12.8	8.0	12.8	7.9	12.7	7.9	12.7	7.9	12.7	7.9	12.7	7.9	12.7	7.9	12.8	8.0	13.0	8.1	13.1	8.2	13.1	8.2	13.2	8.3	13.2	8.3	13.4	8.4	13.6	8.5	13.7	8.6	13.8	8.6	13.8	8.6
NW	11.5	7.4	11.3	7.3	10.8	7.1	10.8	7.0	10.8	7.0	10.8	7.0	10.7	7.0	10.7	6.9	10.7	6.9	10.7	6.9	10.6	6.9	10.6	6.8	10.7	6.9	10.8	7.0	10.9	7.1	11.0	7.1	11.1	7.2	11.1	7.2	11.2	7.3	11.2	7.3	11.2	7.3	11.4	7.4	11.5	7.5	11.6	7.5
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	8.3	5.9	7.7	5.5	7.5	5.4	7.5	5.3	7.4	5.2	7.3	5.2	7.2	5.0	7.1	5.0	7.1	4.9	7.0	4.9	7.0	4.8	7.1	4.9	7.6	5.2	7.9	5.5	8.2	5.7	8.3	5.9	8.5	6.1	8.7	6.2	8.7	6.2	8.7	6.3	8.7	6.3	8.6	6.2	8.5	6.1	8.5	6.1
NE	9.0	6.2	8.8	6.1	8.7	5.9	8.6	5.9	8.5	5.8	8.4	5.7	8.3	5.6	8.2	5.5	8.2	5.5	8.1	5.4	8.1	5.4	8.3	5.5	9.0	5.9	9.7	6.4	10.2	6.7	10.1	6.8	9.8	6.7	9.8	6.7	9.8	6.8	9.8	6.8	9.8	6.8	9.7	6.7	9.5	6.6	9.3	6.4
E	10.6	7.0	10.3	6.9	10.2	6.7	10.1	6.6	10.1	6.6	10.0	6.5	9.9	6.4	9.8	6.3	9.7	6.2	9.7	6.2	9.6	6.2	9.8	6.3	10.7	6.8	11.6	7.3	12.3	7.8	12.4	7.9	12.1	7.8	11.6	7.6	11.4	7.6	11.4	7.6	11.4	7.6	11.2	7.5	11.0	7.4	10.8	7.2
SE	10.6	7.0	10.3	6.9	10.2	6.7	10.1	6.6	10.0	6.6	10.0	6.5	9.8	6.4	9.8	6.3	9.7	6.2	9.7	6.2	9.6	6.2	9.8	6.2	10.4	6.6	11.2	7.2	12.0	7.7	12.3	7.9	12.3	7.9	12.1	7.9	11.7	7.7	11.4	7.6	11.4	7.6	11.2	7.5	11.0	7.4	10.8	7.2
S	9.8	6.6	9.6	6.5	9.5	6.4	9.4	6.3	9.3	6.2	9.2	6.1	9.1	6.0	9.0	5.9	9.0	5.9	8.9	5.8	8.9	5.8	9.0	5.8	9.4	6.1	9.8	6.4	10.3	6.8	10.7	7.1	11.1	7.4	11.4	7.5	11.4	7.6	11.4	7.6	11.1	7.5	10.7	7.3	10.3	7.0	10.1	6.8
SW	12.5	8.0	11.7	7.5	11.6	7.4	11.5	7.3	11.4	7.2	11.3	7.2	11.2	7.0	11.1	7.0	11.1	6.9	11.0	6.9	11.0	6.8	11.1	6.9	11.5	7.2	11.9	7.5	12.2	7.7	12.4	7.9	12.6	8.1	13.0	8.3	13.5	8.6	13.9	8.9	14.1	9.0	14.1	8.9	13.8	8.7	13.2	8.4
W	14.0	8.7	12.5	8.0	12.4	7.8	12.3	7.7	12.3	7.7	12.2	7.6	12.1	7.5	12.0	7.4	11.9	7.3	11.9	7.3	11.9	7.3	11.9	7.3	12.3	7.6	12.7	7.9	13.0	8.2	13.2	8.3	13.4	8.5	13.5	8.6	13.9	8.8	14.5	9.2	15.0	9.4	15.3	9.5	15.3	9.5	14.8	9.2
NW	12.0	7.7	10.6	7.0	10.4	6.8	10.4	6.8	10.3	6.7	10.2	6.6	10.1	6.5	10.0	6.4	10.0	6.4	9.9	6.3	9.9	6.3	10.0	6.3	10.4	6.6	10.8	6.9	11.1	7.2	11.2	7.3	11.4	7.5	11.6	7.6	11.6	7.7	11.8	7.8	12.3	8.0	12.6	8.2	12.8	8.2	12.6	8.1
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	8.0	5.7	8.0	5.7	7.8	5.6	7.8	5.5	7.8	5.5	7.7	5.5	7.7	5.5	7.7	5.4	7.7	5.4	7.7	5.4	7.7	5.4	7.6	5.4	7.7	5.4	7.8	5.5	7.9	5.6	8.0	5.6	8.0	5.7	8.1	5.7	8.1	5.7	8.1	5.7	8.1	5.8	8.1	5.8	8.1	5.7	8.0	5.7
NE	9.1	6.2	9.0	6.2	9.0	6.1	9.0	6.1	8.9	6.1	8.9	6.1	8.9	6.0	8.9	6.0	8.8	6.0	8.8	6.0	8.8	6.0	8.8	6.0	8.9	6.0	9.1	6.1	9.2	6.2	9.4	6.3	9.3	6.3	9.3	6.3	9.2	6.3	9.3	6.3	9.3	6.3	9.3	6.3	9.2	6.3	9.2	6.3
E	10.8	7.1	10.7	7.0	10.6	7.0	10.6	6.9	10.6	6.9	10.6	6.9	10.5	6.9	10.5	6.8	10.5	6.8	10.5	6.8	10.5	6.8	10.4	6.8	10.5	6.8	10.7	6.9	11.0	7.1	11.2	7.2	11.2	7.2	11.1	7.2	11.0	7.2	10.9	7.1	10.9	7.2	10.9	7.2	10.9	7.1	10.8	7.1
SE	10.8	7.1	10.7	7.0	10.6	7.0	10.6	6.9	10.6	6.9	10.6	6.9	10.5	6.9	10.5	6.8	10.5	6.8	10.5	6.8	10.5	6.8	10.4	6.8	10.5	6.8	10.7	6.9	10.9	7.0	11.1	7.2	11.2	7.2	11.2	7.2	11.1	7.2	11.0	7.2	10.9	7.2	10.9	7.2	10.9	7.1	10.8	7.1
S	10.0	6.7	9.9	6.6	9.8	6.6	9.8	6.5	9.8	6.5	9.8	6.5	9.7	6.5	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.7	6.4	9.8	6.5	9.9	6.6	10.0	6.6	10.1	6.7	10.3	6.8	10.3	6.8	10.3	6.9	10.3	6.9	10.3	6.8	10.1	6.8	10.0	6.7
SW	12.5	7.9	12.3	7.8	12.1	7.7	12.0	7.6	12.0	7.6	12.0	7.6	12.0	7.6	11.9	7.5	11.9	7.5	11.9	7.5	11.9	7.5	11.9	7.5	11.9	7.5	12.0	7.6	12.1	7.7	12.2	7.7	12.2	7.8	12.3	7.8	12.4	7.9	12.5	8.0	12.7	8.0	12.7	8.1	12.7	8.0	12.6	8.0
W	13.5	8.4	13.3	8.3	12.9	8.1	12.9	8.1	12.9	8.1	12.9	8.0	12.9	8.0	12.8	8.0	12.8	8.0	12.8	8.0	12.8	7.9	12.8	7.9	12.8	7.9	12.9	8.0	13.0	8.1	13.1	8.2	13.1	8.2	13.2	8.3	13.2	8.3	13.3	8.3	13.5	8.4	13.6	8.5	13.7	8.5	13.7	8.5
NW	11.4	7.4	11.2	7.3	10.9	7.1	10.8	7.0	10.8	7.0	10.8	7.0	10.8	7.0	10.7	7.0	10.7	6.9	10.7	6.9	10.7	6.9	10.7	6.9	10.7	6.9	10.8	7.0	10.9	7.1	11.0	7.1	11.0	7.2	11.1	7.2	11.1	7.2	11.2	7.3	11.2	7.3	11.3	7.4	11.4	7.4	11.5	7.4
	R2 - 12cm Concrete+2 cm plaster																																															
R	15.0	7.3	14.7	7.1	14.5	6.9	14.5	6.9	14.4	6.8	14.3	6.7	14.2	6.6	14.2	6.6	14.1	6.5	14.1	6.5	14.0	6.4	14.2	6.5	14.8	6.9	15.5	7.4	16.4	7.9	17.0	8.3	17.5	8.6	17.7	8.7	17.8	8.8	17.7	8.8	17.4	8.6	17.0	8.4	16.4	8.1	15.7	7.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: VAN (38.28)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	4.6	2.8	4.4	2.6	4.2	2.5	4.1	2.3	4.0	2.3	4.0	2.2	4.0	2.2	3.9	2.1	3.8	2.1	3.8	2.0	3.9	2.0	5.1	2.8	5.5	3.2	5.9	3.6	6.2	3.8	6.4	3.9	6.4	4.0	6.6	4.1	6.6	4.2	6.3	4.0	6.0	3.8	5.8	3.7	5.5	3.5	5.5	3.3
NE	6.8	3.9	6.6	3.7	6.5	3.6	6.3	3.4	6.3	3.4	6.2	3.3	6.2	3.4	6.1	3.2	6.1	3.2	6.0	3.1	6.1	3.2	9.1	4.8	10.5	5.7	10.6	5.9	10.2	5.8	9.2	5.4	8.7	5.1	8.8	5.3	8.8	5.3	8.6	5.1	8.3	4.9	8.0	4.8	7.5	4.5	7.1	4.2
E	8.9	5.0	8.7	4.8	8.5	4.6	8.4	4.5	8.3	4.4	8.3	4.4	8.3	4.4	8.2	4.2	8.1	4.2	8.1	4.2	8.2	4.2	11.5	6.0	13.7	7.3	14.2	7.7	14.1	7.8	13.2	7.4	12.1	6.8	10.9	6.3	10.9	6.3	10.6	6.1	10.3	6.0	10.1	5.8	9.6	5.5	9.2	5.2
SE	8.9	5.0	8.7	4.8	8.5	4.6	8.4	4.5	8.3	4.4	8.3	4.4	8.3	4.4	8.2	4.2	8.1	4.2	8.1	4.2	8.2	4.2	10.4	5.4	12.3	6.6	13.4	7.3	13.8	7.7	13.7	7.6	13.2	7.4	12.4	7.1	11.3	6.5	10.6	6.1	10.3	6.0	10.1	5.8	9.6	5.5	9.2	5.2
S	7.4	4.2	7.2	4.0	7.1	3.9	7.0	3.8	6.9	3.7	6.8	3.6	6.9	3.7	6.7	3.5	6.7	3.5	6.6	3.4	7.1	3.6	7.4	4.0	8.1	4.5	9.2	5.2	10.2	5.8	10.9	6.2	11.3	6.4	11.6	6.7	11.3	6.5	10.7	6.2	10.0	5.8	9.1	5.3	8.2	4.8	7.7	4.5
SW	8.7	4.9	8.5	4.7	8.4	4.5	8.2	4.4	8.2	4.3	8.1	4.3	8.2	4.3	8.0	4.2	8.0	4.1	7.9	4.1	8.8	4.5	8.7	4.6	9.4	5.2	10.0	5.6	10.4	5.9	10.5	6.0	11.1	6.3	12.3	7.0	12.9	7.3	13.2	7.4	13.3	7.4	12.8	7.2	12.0	6.7	10.5	5.9
W	8.7	4.9	8.5	4.7	8.4	4.5	8.3	4.4	8.2	4.3	8.1	4.3	8.2	4.3	8.0	4.2	8.0	4.2	7.9	4.1	8.9	4.5	8.7	4.6	9.4	5.2	10.0	5.6	10.4	5.9	10.5	6.0	10.6	6.1	10.7	6.2	12.0	6.9	12.9	7.3	13.5	7.5	13.5	7.6	13.2	7.3	11.8	6.5
NW	6.7	3.9	6.5	3.7	6.4	3.5	6.2	3.4	6.2	3.3	6.1	3.3	6.1	3.3	6.0	3.2	6.0	3.1	5.9	3.1	6.4	3.3	6.7	3.6	7.4	4.1	8.0	4.6	8.4	4.9	8.5	5.0	8.6	5.1	8.7	5.2	8.7	5.2	9.1	5.4	9.8	5.7	10.2	5.9	10.2	5.8	9.4	5.3
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	5.2	3.1	4.9	3.0	4.9	2.9	4.8	2.9	4.8	2.8	4.8	2.8	4.7	2.8	4.8	2.8	4.7	2.7	4.7	2.7	4.7	2.7	4.7	2.7	5.1	3.0	5.2	3.1	5.4	3.2	5.5	3.3	5.5	3.3	5.5	3.4	5.6	3.4	5.6	3.4	5.5	3.4	5.4	3.3	5.3	3.3	5.2	3.2
NE	7.5	4.3	7.4	4.2	7.3	4.1	7.3	4.1	7.2	4.1	7.2	4.0	7.2	4.0	7.2	4.0	7.2	4.0	7.2	4.0	7.1	3.9	7.2	4.0	8.1	4.5	8.6	4.8	8.6	4.9	8.5	4.8	8.2	4.7	8.0	4.6	8.0	4.6	8.0	4.6	8.0	4.6	7.9	4.5	7.8	4.5	7.6	4.4
E	9.8	5.4	9.7	5.4	9.6	5.3	9.6	5.2	9.5	5.2	9.5	5.2	9.5	5.2	9.5	5.2	9.5	5.1	9.5	5.1	9.4	5.1	9.5	5.1	10.6	5.7	11.2	6.1	11.4	6.2	11.4	6.3	11.1	6.1	10.7	6.0	10.3	5.8	10.4	5.8	10.3	5.7	10.2	5.7	10.1	5.6	9.9	5.5
SE	9.8	5.4	9.7	5.4	9.6	5.3	9.6	5.2	9.6	5.2	9.5	5.2	9.5	5.2	9.5	5.2	9.5	5.1	9.5	5.1	9.4	5.1	9.5	5.1	10.2	5.5	10.8	5.9	11.1	6.1	11.3	6.2	11.2	6.2	11.1	6.1	10.8	6.0	10.5	5.9	10.3	5.7	10.2	5.7	10.1	5.6	9.9	5.5
S	8.2	4.6	8.1	4.6	8.0	4.5	8.0	4.4	8.0	4.4	7.9	4.4	7.9	4.4	7.9	4.4	7.9	4.3	7.9	4.3	7.8	4.3	8.0	4.4	8.1	4.5	8.3	4.6	8.7	4.9	9.0	5.1	9.2	5.2	9.4	5.3	9.4	5.3	9.3	5.3	9.2	5.2	8.9	5.0	8.6	4.9	8.3	4.7
SW	10.1	5.6	9.5	5.3	9.5	5.2	9.4	5.2	9.4	5.1	9.4	5.1	9.3	5.1	9.3	5.1	9.3	5.0	9.3	5.0	9.3	5.0	9.6	5.2	9.5	5.2	9.8	5.4	9.9	5.5	10.1	5.6	10.1	5.6	10.3	5.7	10.7	5.9	10.9	6.1	11.0	6.1	11.0	6.1	10.8	6.0	10.6	5.8
W	10.5	5.8	9.5	5.3	9.5	5.2	9.4	5.2	9.4	5.1	9.4	5.1	9.4	5.1	9.4	5.1	9.3	5.0	9.3	5.0	9.3	5.0	9.6	5.2	9.5	5.2	9.8	5.4	10.0	5.5	10.1	5.6	10.1	5.6	10.2	5.7	10.2	5.7	10.6	5.9	10.9	6.0	11.1	6.1	11.1	6.1	11.0	6.1
NW	8.2	4.6	7.3	4.2	7.2	4.1	7.2	4.0	7.2	4.0	7.1	4.0	7.1	4.0	7.1	4.0	7.1	3.9	7.1	3.9	7.1	3.9	7.2	4.0	7.3	4.1	7.5	4.2	7.7	4.4	7.8	4.5	7.9	4.5	7.9	4.5	7.9	4.6	8.0	4.6	8.1	4.6	8.3	4.7	8.4	4.8	8.4	4.8
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	5.3	3.2	4.9	2.9	4.8	2.9	4.7	2.8	4.7	2.7	4.6	2.7	4.6	2.7	4.6	2.7	4.6	2.6	4.6	2.6	4.5	2.6	4.6	2.6	5.1	2.9	5.3	3.1	5.4	3.3	5.6	3.4	5.7	3.4	5.7	3.5	5.7	3.5	5.8	3.5	5.6	3.5	5.5	3.4	5.4	3.3	5.3	3.2
NE	7.4	4.3	7.3	4.2	7.2	4.1	7.1	4.0	7.1	3.9	7.1	3.9	7.0	3.9	7.1	3.9	7.0	3.8	7.0	3.8	7.0	3.8	7.0	3.8	8.3	4.5	8.9	4.9	9.0	5.0	8.8	5.0	8.4	4.8	8.1	4.7	8.2	4.7	8.2	4.7	8.1	4.7	7.9	4.6	7.8	4.5	7.6	4.4
E	9.7	5.4	9.6	5.3	9.5	5.2	9.4	5.1	9.4	5.1	9.3	5.0	9.3	5.0	9.3	5.0	9.2	5.0	9.2	5.0	9.2	4.9	9.3	5.0	10.7	5.7	11.6	6.3	11.9	6.5	11.8	6.5	11.5	6.3	11.0	6.1	10.4	5.9	10.4	5.9	10.3	5.8	10.2	5.7	10.1	5.7	9.9	5.5
SE	9.7	5.4	9.6	5.3	9.5	5.2	9.4	5.1	9.4	5.1	9.3	5.0	9.3	5.0	9.3	5.0	9.2	5.0	9.2	5.0	9.2	4.9	9.3	5.0	10.2	5.5	11.1	6.0	11.5	6.3	11.7	6.5	11.6	6.4	11.4	6.3	11.1	6.2	10.6	6.0	10.3	5.8	10.2	5.7	10.1	5.7	9.9	5.5
S	8.1	4.6	8.0	4.5	7.9	4.4	7.8	4.3	7.8	4.3	7.8	4.3	7.7	4.2	7.7	4.3	7.7	4.2	7.7	4.2	7.6	4.2	7.8	4.2	8.0	4.4	8.3	4.6	8.7	4.9	9.2	5.2	9.5	5.4	9.7	5.5	9.8	5.6	9.7	5.5	9.4	5.3	9.1	5.2	8.7	5.0	8.3	4.7
SW	10.2	5.6	9.4	5.2	9.3	5.1	9.2	5.1	9.2	5.0	9.2	5.0	9.1	4.9	9.1	5.0	9.1	4.9	9.1	4.9	9.0	4.9	9.5	5.1	9.4	5.1	9.7	5.3	10.0	5.5	10.1	5.7	10.2	5.7	10.4	5.8	10.9	6.1	11.2	6.3	11.4	6.3	11.4	6.3	11.2	6.2	10.8	6.0
W	10.7	5.9	9.4	5.2	9.3	5.1	9.3	5.1	9.2	5.0	9.2	5.0	9.2	5.0	9.2	5.0	9.1	4.9	9.1	4.9	9.1	4.9	9.5	5.1	9.4	5.1	9.7	5.3	10.0	5.5	10.1	5.7	10.2	5.7	10.2	5.7	10.3	5.8	10.8	6.1	11.2	6.2	11.5	6.4	11.5	6.4	11.4	6.3
NW	8.4	4.7	7.2	4.1	7.1	4.0	7.1	4.0	7.0	3.9	7.0	3.9	6.9	3.8	7.0	3.9	6.9	3.8	6.9	3.8	6.9	3.8	7.1	3.9	7.2	4.0	7.5	4.2	7.8	4.4	7.9	4.6	8.0	4.6	8.0	4.6	8.1	4.7	8.1	4.7	8.2	4.8	8.5	4.9	8.7	5.0	8.7	5.0
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	5.3	3.2	4.8	2.9	4.7	2.8	4.7	2.7	4.6	2.7	4.5	2.6	4.5	2.6	4.5	2.6	4.5	2.5	4.5	2.5	4.4	2.5	4.5	2.5	5.1	2.9	5.3	3.1	5.5	3.3	5.7	3.5	5.8	3.5	5.8	3.5	5.9	3.6	5.9	3.6	5.7	3.5	5.6	3.4	5.5	3.4	5.3	3.3
NE	7.4	4.2	7.2	4.1	7.1	4.0	7.0	3.9	7.0	3.9	6.9	3.8	6.9	3.8	6.9	3.8	6.8	3.7	6.8	3.7	6.8	3.7	6.9	3.7	8.4	4.6	9.2	5.1	9.2	5.2	9.0	5.1	8.5	4.9	8.2	4.7	8.3	4.8	8.3	4.8	8.1	4.7	8.0	4.6	7.9	4.6	7.6	4.4
E	9.6	5.4	9.5	5.2	9.4	5.1	9.3	5.1	9.2	5.0	9.2	5.0	9.1	4.9	9.2	4.9	9.1	4.9	9.1	4.9	9.0	4.8	9.1	4.8	10.8	5.8	12.0	6.4	12.2	6.7	12.2	6.7	11.7	6.5	11.1	6.2	10.5	5.9	10.5	5.9	10.4	5.9	10.2	5.8	10.1	5.7	9.8	5.5
SE	9.6	5.4	9.5	5.2	9.4	5.1	9.3	5.1	9.2	5.0	9.2	5.0	9.1	4.9	9.2	4.9	9.1	4.9	9.1	4.9	9.0	4.8	9.1	4.8	10.2	5.5	11.3	6.1	11.8	6.5	12.1	6.6	12.0	6.6	11.7	6.5	11.3	6.3	10.7	6.1	10.4	5.9	10.2	5.8	10.1	5.7	9.8	5.5
S	8.1	4.6	7.9	4.5	7.8	4.4	7.7	4.3	7.7	4.2	7.6	4.2	7.6	4.1	7.6	4.2	7.5	4.1	7.5	4.1	7.5	4.0	7.7	4.1	7.9	4.3	8.3	4.6	8.8	5.0	9.4	5.3	9.7	5.5	9.9	5.6	10.1	5.7	9.9	5.6	9.6	5.5	9.2	5.3	8.8	5.0	8.3	4.7
SW	10.2	5.7	9.3	5.2	9.2	5.1	9.1	5.0	9.0	4.9	9.0	4.9	9.0	4.8	9.0	4.9	8.9	4.8	8.9	4.8	8.9	4.7	9.4	5.0	9.3	5.0	9.6	5.3	10.0	5.5	10.2	5.7	10.2	5.7	10.5	5.9	11.1	6.3	11.5	6.4	11.7	6.5	11.7	6.5	11.4	6.3	11.0	6.1
W	10.9	6.0	9.3	5.2	9.2	5.1	9.1	5.0	9.1	4.9	9.0	4.9	9.0	4.9	9.0	4.9	8.9	4.8	8.9	4.8	8.9	4.7	9.4	5.0	9.3	5.0	9.7	5.3	10.0	5.6	10.2	5.7	10.2	5.7	10.3	5.8	10.3	5.9	11.0	6.2	11.5	6.4	11.8	6.5	11.8	6.6	11.6	6.4
NW	8.5	4.8	7.1	4.1	7.0	4.0	7.0	3.9	6.9	3.8	6.8	3.8	6.8	3.8	6.8	3.8	6.8	3.7	6.8	3.7	6.7	3.7	7.0	3.8	7.1	3.9	7.5	4.2	7.8	4.5	8.0	4.6	8.1	4.7	8.1	4.7	8.2	4.8	8.2	4.8	8.4	4.8	8.7	5.0	8.9	5.1	9.0	5.1
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.1	4.6	12.1	4.6	12.0	4.5	12.0	4.5	12.0	4.5	12.0	4.4	12.0	4.4	11.9	4.4	11.9	4.4	11.9	4.4	12.0	4.4	12.3	4.6	12.9	5.0	13.4	5.3	13.7	5.5	14.0	5.6	14.1	5.7	14.2	5.8	14.1	5.7	13.8	5.6	13.6	5.4	13.2	5.2	12.8	5.0	12.3	4.8

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: VAN (38.28)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	3.9	2.3	3.7	2.1	3.5	1.9	3.3	1.8	3.3	1.7	3.3	1.7	3.1	1.5	3.0	1.5	2.9	1.3	3.1	1.4	5.1	2.7	5.7	3.3	6.4	3.9	6.9	4.4	7.2	4.5	7.3	4.6	7.5	4.8	7.5	4.9	7.1	4.6	6.6	4.3	6.3	4.1	5.8	3.7	5.7	3.5	4.2	2.6
NE	5.9	3.3	5.7	3.1	5.5	2.9	5.3	2.8	5.2	2.7	5.3	2.7	5.0	2.5	5.0	2.4	4.9	2.3	5.1	2.4	10.0	5.1	12.4	6.6	12.5	7.0	11.7	6.7	10.2	6.0	9.3	5.6	9.5	5.8	9.5	5.9	9.1	5.6	8.6	5.3	8.3	5.1	7.4	4.6	6.7	4.1	6.2	3.6
E	7.8	4.3	7.5	4.0	7.3	3.8	7.2	3.7	7.1	3.6	7.2	3.6	6.9	3.4	6.9	3.4	6.8	3.3	6.9	3.3	12.4	6.3	15.9	8.4	16.9	9.1	16.6	9.2	15.2	8.5	13.4	7.7	11.3	6.8	11.4	6.8	11.0	6.5	10.5	6.2	10.1	6.0	9.3	5.5	8.6	5.0	8.1	4.6
SE	7.8	4.3	7.5	4.0	7.3	3.8	7.2	3.7	7.1	3.6	7.2	3.7	6.9	3.4	6.9	3.4	6.8	3.3	6.9	3.3	10.5	5.3	13.7	7.3	15.5	8.4	16.3	9.0	15.9	8.9	15.1	8.5	13.9	8.1	12.1	7.2	11.0	6.5	10.5	6.2	10.1	6.0	9.3	5.5	8.6	5.0	8.1	4.6
S	6.5	3.6	6.2	3.4	6.0	3.2	5.9	3.0	5.8	3.0	5.9	3.0	5.6	2.8	5.6	2.7	5.5	2.6	6.2	2.9	6.8	3.5	7.9	4.4	9.7	5.6	11.4	6.6	12.5	7.1	13.2	7.6	13.7	7.9	13.1	7.7	12.2	7.1	10.9	6.5	9.5	5.7	8.0	4.8	7.3	4.3	6.8	3.9
SW	7.6	4.2	7.4	3.9	7.2	3.7	7.1	3.6	7.0	3.5	7.0	3.6	6.8	3.3	6.7	3.3	6.6	3.2	8.2	3.9	7.9	4.1	9.1	5.0	10.1	5.7	10.6	6.2	10.9	6.4	11.8	6.9	13.8	8.0	14.8	8.5	15.4	8.7	15.4	8.7	14.6	8.3	13.3	7.5	11.0	6.2	8.0	4.5
W	7.6	4.2	7.4	4.0	7.2	3.7	7.1	3.6	7.0	3.5	7.0	3.6	6.8	3.3	6.8	3.3	6.6	3.2	8.2	4.0	7.9	4.1	9.1	5.0	10.1	5.8	10.7	6.2	10.9	6.4	11.0	6.5	11.2	6.7	13.3	7.8	14.7	8.4	15.8	8.9	15.8	8.9	15.3	8.5	13.0	7.2	8.0	4.5
NW	5.8	3.3	5.6	3.0	5.4	2.8	5.3	2.7	5.2	2.6	5.2	2.7	5.0	2.4	5.0	2.4	4.8	2.3	5.6	2.7	6.1	3.2	7.3	4.1	8.3	4.9	8.8	5.3	9.1	5.5	9.2	5.6	9.4	5.8	9.5	5.8	10.0	6.0	11.2	6.6	11.9	6.9	11.9	6.8	10.5	5.9	6.2	3.6
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.7	3.7	5.7	3.5	4.3	2.7	4.0	2.4	3.7	2.1	3.5	1.9	3.4	1.8	3.3	1.7	3.4	1.8	3.2	1.5	3.1	1.5	3.0	1.4	3.2	1.5	5.1	2.7	5.7	3.3	6.3	3.9	6.9	4.3	7.1	4.4	7.2	4.5	7.4	4.8	7.4	4.8	7.0	4.5	6.6	4.3	6.2	4.1
NE	7.5	4.5	6.8	4.1	6.3	3.7	6.0	3.4	5.8	3.1	5.6	2.9	5.4	2.8	5.4	2.7	5.4	2.8	5.2	2.6	5.1	2.5	5.0	2.4	5.2	2.5	9.9	5.0	12.2	6.5	12.3	6.9	11.6	6.6	10.1	5.9	9.2	5.6	9.4	5.8	9.5	5.8	9.0	5.5	8.6	5.3	8.2	5.1
E	9.3	5.5	8.6	5.0	8.2	4.6	7.9	4.3	7.6	4.1	7.4	3.9	7.3	3.8	7.2	3.7	7.3	3.7	7.0	3.5	7.0	3.5	6.9	3.4	7.1	3.4	12.3	6.3	15.7	8.3	16.6	9.0	16.3	9.0	15.0	8.4	13.3	7.6	11.3	6.7	11.3	6.7	10.9	6.5	10.5	6.2	10.1	6.0
SE	9.3	5.5	8.7	5.0	8.2	4.6	7.9	4.3	7.6	4.1	7.4	3.9	7.3	3.8	7.2	3.7	7.3	3.7	7.1	3.5	7.0	3.5	6.9	3.4	7.1	3.4	10.5	5.4	13.6	7.2	15.2	8.3	16.0	8.9	15.7	8.7	14.9	8.4	13.7	7.9	12.0	7.1	10.9	6.5	10.5	6.2	10.1	6.0
S	8.0	4.8	7.3	4.4	6.9	4.0	6.6	3.7	6.3	3.4	6.1	3.2	6.0	3.1	5.9	3.0	6.0	3.1	5.7	2.8	5.7	2.8	5.6	2.7	6.3	3.0	6.8	3.5	7.9	4.4	9.6	5.5	11.2	6.5	12.3	7.0	13.0	7.4	13.4	7.8	12.9	7.5	12.0	7.0	10.8	6.4	9.4	5.7
SW	13.1	7.4	10.9	6.1	8.0	4.5	7.7	4.2	7.5	4.0	7.3	3.8	7.2	3.7	7.1	3.6	7.1	3.7	6.9	3.4	6.9	3.4	6.8	3.3	8.2	4.0	8.0	4.1	9.1	5.0	10.1	5.7	10.6	6.2	10.8	6.3	11.7	6.8	13.6	7.9	14.6	8.4	15.1	8.6	15.2	8.6	14.4	8.2
W	15.1	8.4	12.8	7.1	8.1	4.5	7.7	4.2	7.5	4.0	7.3	3.8	7.2	3.7	7.1	3.6	7.2	3.7	6.9	3.4	6.9	3.4	6.8	3.3	8.3	4.0	8.0	4.1	9.1	5.0	10.1	5.7	10.6	6.2	10.9	6.3	11.0	6.4	11.2	6.7	13.1	7.7	14.5	8.3	15.5	8.7	15.6	8.8
NW	11.7	6.7	10.4	5.9	6.2	3.6	5.9	3.3	5.7	3.1	5.5	2.9	5.4	2.8	5.3	2.7	5.3	2.8	5.1	2.5	5.1	2.5	5.0	2.4	5.7	2.7	6.2	3.2	7.3	4.1	8.2	4.8	8.8	5.3	9.0	5.4	9.2	5.5	9.3	5.7	9.4	5.8	9.9	6.0	11.0	6.5	11.7	6.8
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	5.3	3.2	4.9	2.9	4.8	2.8	4.7	2.8	4.6	2.7	4.6	2.7	4.6	2.6	4.6	2.7	4.5	2.6	4.5	2.6	4.5	2.5	4.5	2.6	5.1	2.9	5.3	3.1	5.5	3.3	5.6	3.4	5.7	3.5	5.8	3.5	5.8	3.6	5.8	3.6	5.7	3.5	5.6	3.4	5.5	3.4	5.3	3.2
NE	7.4	4.3	7.3	4.1	7.2	4.0	7.1	4.0	7.0	3.9	7.0	3.9	7.0	3.8	7.0	3.9	6.9	3.8	6.9	3.8	6.9	3.7	6.9	3.8	8.4	4.6	9.1	5.0	9.1	5.1	8.9	5.0	8.4	4.8	8.2	4.7	8.2	4.8	8.2	4.8	8.1	4.7	8.0	4.6	7.9	4.6	7.6	4.4
E	9.6	5.4	9.5	5.3	9.4	5.2	9.3	5.1	9.3	5.0	9.2	5.0	9.2	5.0	9.2	5.0	9.1	4.9	9.1	4.9	9.1	4.9	9.2	4.9	10.8	5.8	11.8	6.4	12.1	6.6	12.0	6.6	11.6	6.4	11.1	6.2	10.5	5.9	10.5	5.9	10.4	5.8	10.2	5.7	10.1	5.7	9.9	5.5
SE	9.6	5.4	9.5	5.3	9.4	5.2	9.3	5.1	9.3	5.0	9.2	5.0	9.2	5.0	9.2	5.0	9.2	4.9	9.1	4.9	9.1	4.9	9.2	4.9	10.2	5.5	11.2	6.1	11.7	6.4	11.9	6.6	11.8	6.5	11.6	6.4	11.2	6.3	10.7	6.0	10.4	5.8	10.2	5.7	10.1	5.7	9.9	5.5
S	8.1	4.6	7.9	4.5	7.8	4.4	7.8	4.3	7.7	4.2	7.7	4.2	7.6	4.2	7.7	4.2	7.6	4.1	7.6	4.1	7.6	4.1	7.8	4.2	7.9	4.3	8.3	4.6	8.8	5.0	9.3	5.3	9.6	5.4	9.8	5.5	10.0	5.7	9.8	5.6	9.5	5.4	9.2	5.2	8.7	5.0	8.3	4.7
SW	10.2	5.7	9.3	5.2	9.2	5.1	9.2	5.0	9.1	4.9	9.1	4.9	9.0	4.9	9.1	4.9	9.0	4.8	9.0	4.8	8.9	4.8	9.4	5.0	9.3	5.0	9.7	5.3	10.0	5.5	10.1	5.7	10.2	5.7	10.5	5.9	11.1	6.2	11.4	6.4	11.5	6.4	11.5	6.4	11.3	6.3	10.9	6.0
W	10.8	6.0	9.4	5.2	9.3	5.1	9.2	5.0	9.1	5.0	9.1	4.9	9.1	4.9	9.1	4.9	9.0	4.8	9.0	4.8	9.0	4.8	9.4	5.0	9.3	5.0	9.7	5.3	10.0	5.5	10.2	5.7	10.2	5.7	10.3	5.8	10.3	5.8	10.9	6.1	11.4	6.3	11.7	6.5	11.7	6.5	11.5	6.4
NW	8.4	4.8	7.2	4.1	7.1	4.0	7.0	3.9	6.9	3.9	6.9	3.8	6.9	3.8	6.9	3.8	6.8	3.7	6.8	3.7	6.8	3.7	7.0	3.8	7.2	4.0	7.5	4.2	7.8	4.5	8.0	4.6	8.0	4.6	8.1	4.7	8.1	4.7	8.1	4.7	8.3	4.8	8.6	5.0	8.8	5.1	8.9	5.0
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	5.6	3.6	5.6	3.4	4.4	2.7	4.2	2.5	4.0	2.3	3.8	2.1	3.7	2.0	3.7	2.0	3.7	2.0	3.5	1.8	3.5	1.8	3.4	1.7	3.5	1.8	5.1	2.7	5.6	3.2	6.1	3.7	6.5	4.1	6.7	4.2	6.8	4.3	7.0	4.5	7.0	4.5	6.7	4.3	6.3	4.0	6.0	3.9
NE	7.5	4.5	6.9	4.1	6.6	3.8	6.3	3.5	6.1	3.4	5.9	3.2	5.8	3.1	5.8	3.0	5.8	3.1	5.6	2.9	5.6	2.9	5.5	2.8	5.6	2.8	9.5	4.9	11.4	6.1	11.5	6.4	10.9	6.2	9.7	5.6	8.9	5.3	9.1	5.5	9.1	5.5	8.8	5.3	8.4	5.1	8.1	4.9
E	9.5	5.5	8.9	5.1	8.5	4.8	8.3	4.5	8.1	4.3	7.9	4.2	7.8	4.1	7.8	4.0	7.8	4.1	7.6	3.9	7.6	3.8	7.5	3.8	7.6	3.8	11.9	6.1	14.7	7.8	15.4	8.4	15.2	8.4	14.1	7.9	12.7	7.2	11.1	6.5	11.1	6.5	10.8	6.3	10.4	6.1	10.1	5.9
SE	9.5	5.5	8.9	5.1	8.5	4.8	8.3	4.5	8.1	4.3	7.9	4.2	7.8	4.1	7.8	4.0	7.8	4.1	7.6	3.9	7.6	3.9	7.5	3.8	7.6	3.8	10.4	5.4	12.9	6.9	14.3	7.8	14.9	8.3	14.7	8.2	14.0	7.9	13.1	7.5	11.7	6.8	10.8	6.3	10.4	6.1	10.1	5.9
S	8.1	4.8	7.5	4.4	7.2	4.1	6.9	3.8	6.7	3.7	6.5	3.5	6.4	3.4	6.4	3.3	6.4	3.4	6.2	3.2	6.2	3.2	6.1	3.1	6.7	3.3	7.1	3.7	8.0	4.5	9.4	5.4	10.7	6.2	11.6	6.6	12.2	6.9	12.5	7.2	12.1	7.0	11.4	6.6	10.4	6.1	9.3	5.5
SW	12.5	7.0	10.7	6.0	8.4	4.7	8.1	4.5	7.9	4.3	7.8	4.1	7.7	4.0	7.6	3.9	7.6	4.0	7.5	3.8	7.4	3.8	7.3	3.7	8.5	4.3	8.4	4.4	9.3	5.1	10.0	5.7	10.5	6.0	10.7	6.2	11.4	6.6	12.9	7.4	13.8	7.9	14.2	8.0	14.2	8.0	13.6	7.7
W	14.1	7.8	12.3	6.8	8.4	4.7	8.1	4.5	7.9	4.3	7.8	4.1	7.7	4.0	7.6	4.0	7.7	4.0	7.5	3.8	7.5	3.8	7.4	3.7	8.6	4.3	8.4	4.4	9.3	5.1	10.0	5.7	10.5	6.0	10.7	6.2	10.8	6.3	10.9	6.4	12.6	7.3	13.7	7.8	14.5	8.1	14.6	8.2
NW	11.0	6.3	9.9	5.6	6.5	3.8	6.2	3.5	6.0	3.3	5.9	3.2	5.8	3.1	5.7	3.0	5.7	3.0	5.5	2.8	5.5	2.8	5.4	2.7	6.0	3.0	6.4	3.4	7.3	4.1	8.1	4.7	8.6	5.1	8.8	5.2	8.9	5.3	9.0	5.5	9.1	5.5	9.5	5.7	10.4	6.1	10.9	6.3
	R2 - 12cm Concrete+2 cm plaster																																															
R	3.8	-0.3	3.5	-0.5	3.4	-0.7	3.5	-0.6	2.9	-1.1	2.9	-1.2	2.7	-1.4	3.4	-1.1	7.8	1.6	14.1	5.5	19.7	8.9	24.2	11.5	27.0	12.9	28.8	13.9	29.8	14.7	27.9	13.8	25.5	12.4	22.1	10.6	17.8	8.5	12.9	5.7	8.0	3.0	5.5	1.3	4.7	0.7	4.2	0.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: YALOVA (40.39)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.0	4.9	6.8	4.7	6.7	4.6	6.6	4.5	6.5	4.4	6.1	4.0	6.1	4.0	6.0	3.9	6.0	3.9	6.0	3.9	6.2	4.0	6.9	4.5	7.7	5.1	8.3	5.5	8.7	5.9	9.0	6.2	9.3	6.4	9.4	6.5	9.3	6.4	9.1	6.3	8.9	6.2	8.7	6.1	8.3	5.8	7.6	5.3
NE	7.7	5.3	7.6	5.1	7.4	4.9	7.3	4.9	7.2	4.8	6.8	4.4	6.8	4.3	6.7	4.3	6.7	4.3	6.7	4.3	7.0	4.4	7.8	4.9	9.5	6.0	10.2	6.5	10.3	6.7	10.0	6.6	10.0	6.7	10.2	6.9	10.0	6.8	9.8	6.7	9.6	6.6	9.3	6.4	8.8	6.0	8.1	5.5
E	8.7	5.8	8.5	5.6	8.3	5.4	8.2	5.3	8.2	5.3	7.8	4.9	7.7	4.8	7.7	4.7	7.7	4.8	7.7	4.8	7.9	4.9	8.8	5.4	10.8	6.6	11.8	7.3	12.3	7.7	12.0	7.6	11.4	7.4	11.1	7.3	11.0	7.3	10.8	7.1	10.6	7.0	10.3	6.9	9.7	6.5	9.1	6.0
SE	8.7	5.7	8.5	5.6	8.3	5.4	8.2	5.3	8.1	5.2	7.8	4.9	7.7	4.8	7.6	4.7	7.7	4.8	7.7	4.7	7.9	4.9	8.6	5.4	10.3	6.4	11.4	7.1	12.2	7.6	12.3	7.8	12.1	7.8	11.6	7.6	11.0	7.3	10.8	7.1	10.5	7.0	10.3	6.9	9.7	6.5	9.0	6.0
S	8.5	5.6	8.3	5.5	8.1	5.3	8.0	5.2	8.0	5.2	7.6	4.8	7.5	4.7	7.5	4.6	7.5	4.7	7.5	4.6	7.7	4.8	8.3	5.2	9.1	5.8	10.0	6.4	10.8	7.0	11.5	7.4	11.9	7.7	12.1	7.9	11.9	7.7	11.3	7.4	10.7	7.1	10.1	6.8	9.5	6.4	8.9	5.9
SW	9.3	6.1	9.2	5.9	9.0	5.7	8.9	5.7	8.8	5.6	8.4	5.2	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.5	5.2	9.2	5.6	10.0	6.2	10.6	6.7	11.0	7.0	11.4	7.3	12.1	7.8	12.9	8.3	13.4	8.5	13.4	8.4	13.2	8.3	12.4	7.9	11.1	7.1	9.9	6.4
W	9.5	6.1	9.3	6.0	9.1	5.8	9.0	5.7	9.0	5.7	8.6	5.3	8.5	5.2	8.5	5.1	8.5	5.2	8.5	5.2	8.7	5.3	9.3	5.7	10.1	6.3	10.7	6.8	11.2	7.1	11.5	7.4	11.7	7.6	12.4	8.0	13.1	8.4	13.6	8.5	13.8	8.7	13.3	8.4	11.8	7.5	10.4	6.7
NW	8.3	5.6	8.2	5.4	8.0	5.2	7.9	5.2	7.8	5.1	7.4	4.7	7.4	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.5	4.7	8.2	5.2	9.0	5.7	9.6	6.2	10.0	6.5	10.4	6.8	10.6	7.0	10.8	7.2	10.8	7.2	11.3	7.4	11.7	7.6	11.6	7.5	10.5	6.8	9.2	6.1
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	7.6	5.2	7.4	5.1	7.3	5.0	7.3	5.0	7.2	4.9	7.2	4.9	7.1	4.8	7.1	4.8	7.0	4.7	7.1	4.7	7.1	4.7	7.1	4.8	7.3	4.9	7.6	5.1	7.8	5.3	7.9	5.4	8.0	5.5	8.1	5.5	8.2	5.6	8.1	5.5	8.0	5.5	8.0	5.5	7.9	5.4	7.8	5.3
NE	8.3	5.5	8.2	5.5	8.1	5.4	8.1	5.4	8.0	5.3	8.0	5.3	7.9	5.2	7.9	5.2	7.8	5.1	7.9	5.1	7.9	5.1	7.9	5.2	8.2	5.4	8.7	5.7	9.0	5.8	9.0	5.9	8.9	5.9	8.9	5.9	9.0	6.0	8.9	5.9	8.8	5.9	8.8	5.9	8.7	5.8	8.5	5.7
E	9.4	6.1	9.2	6.0	9.2	5.9	9.1	5.9	9.1	5.9	9.1	5.8	8.9	5.7	8.9	5.7	8.9	5.7	8.9	5.7	8.9	5.7	9.0	5.7	9.3	5.9	9.9	6.3	10.3	6.5	10.4	6.6	10.3	6.6	10.1	6.5	10.0	6.5	10.0	6.5	9.9	6.4	9.8	6.4	9.7	6.3	9.6	6.2
SE	9.3	6.1	9.2	6.0	9.2	5.9	9.1	5.9	9.1	5.8	9.1	5.8	8.9	5.7	8.9	5.7	8.9	5.7	8.9	5.7	8.9	5.7	9.0	5.7	9.2	5.9	9.7	6.2	10.1	6.4	10.4	6.6	10.4	6.6	10.3	6.6	10.2	6.6	10.0	6.5	9.9	6.4	9.8	6.4	9.7	6.3	9.6	6.2
S	9.1	6.0	9.0	5.9	8.9	5.8	8.9	5.8	8.9	5.7	8.8	5.7	8.7	5.6	8.7	5.6	8.7	5.6	8.7	5.6	8.7	5.6	8.7	5.6	9.0	5.7	9.2	5.9	9.5	6.1	9.8	6.3	10.0	6.4	10.1	6.5	10.2	6.6	10.1	6.5	9.9	6.4	9.7	6.3	9.5	6.2	9.3	6.1
SW	10.2	6.5	9.9	6.3	9.9	6.3	9.8	6.2	9.8	6.2	9.8	6.2	9.7	6.1	9.6	6.0	9.6	6.0	9.6	6.0	9.6	6.0	9.7	6.1	9.9	6.2	10.2	6.4	10.4	6.5	10.5	6.7	10.6	6.7	10.9	6.9	11.1	7.1	11.3	7.1	11.3	7.1	11.2	7.1	11.0	7.0	10.5	6.7
W	10.4	6.6	10.1	6.4	10.1	6.4	10.0	6.3	10.0	6.3	10.0	6.3	9.8	6.1	9.8	6.1	9.8	6.1	9.8	6.1	9.8	6.1	9.8	6.1	10.1	6.3	10.3	6.5	10.5	6.6	10.7	6.7	10.8	6.8	10.8	6.9	11.0	7.0	11.3	7.1	11.4	7.2	11.5	7.2	11.4	7.2	10.9	6.9
NW	9.1	6.0	8.8	5.8	8.8	5.7	8.7	5.7	8.7	5.7	8.7	5.6	8.6	5.5	8.5	5.5	8.5	5.5	8.5	5.5	8.5	5.5	8.6	5.5	8.8	5.7	9.1	5.8	9.3	6.0	9.4	6.1	9.5	6.2	9.6	6.3	9.6	6.3	9.7	6.3	9.8	6.4	9.9	6.5	9.9	6.4	9.5	6.2
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.6	5.2	7.3	5.0	7.2	5.0	7.2	4.9	7.1	4.9	7.1	4.8	6.9	4.7	6.9	4.6	6.9	4.6	6.9	4.6	6.9	4.6	7.0	4.7	7.3	4.9	7.6	5.1	7.9	5.3	8.0	5.5	8.2	5.6	8.3	5.7	8.4	5.7	8.3	5.7	8.2	5.6	8.1	5.6	8.1	5.5	7.9	5.4
NE	8.3	5.5	8.1	5.4	8.0	5.4	7.9	5.3	7.9	5.2	7.9	5.2	7.7	5.0	7.7	5.0	7.7	5.0	7.7	5.0	7.7	5.0	7.8	5.1	8.1	5.3	8.9	5.7	9.2	6.0	9.2	6.0	9.1	6.0	9.1	6.1	9.2	6.1	9.1	6.1	9.0	6.0	8.9	6.0	8.8	5.9	8.5	5.7
E	9.3	6.1	9.1	5.9	9.1	5.9	9.0	5.8	8.9	5.8	8.9	5.7	8.8	5.6	8.7	5.5	8.7	5.5	8.7	5.5	8.7	5.5	8.8	5.6	9.2	5.8	10.1	6.3	10.5	6.6	10.7	6.8	10.6	6.8	10.3	6.7	10.2	6.6	10.1	6.6	10.1	6.5	10.0	6.5	9.8	6.4	9.6	6.3
SE	9.3	6.1	9.1	5.9	9.1	5.9	9.0	5.8	8.9	5.8	8.9	5.7	8.7	5.6	8.7	5.5	8.7	5.5	8.7	5.5	8.7	5.5	8.8	5.6	9.1	5.8	9.8	6.2	10.3	6.5	10.7	6.8	10.7	6.8	10.6	6.8	10.4	6.8	10.1	6.6	10.0	6.5	9.9	6.5	9.8	6.4	9.6	6.3
S	9.1	5.9	8.9	5.8	8.8	5.8	8.8	5.7	8.7	5.7	8.7	5.6	8.5	5.5	8.5	5.4	8.5	5.4	8.5	5.4	8.5	5.4	8.6	5.5	8.8	5.6	9.2	5.9	9.6	6.2	9.9	6.4	10.2	6.6	10.4	6.7	10.5	6.8	10.4	6.7	10.1	6.6	9.9	6.5	9.6	6.3	9.4	6.1
SW	10.1	6.5	9.8	6.3	9.8	6.2	9.7	6.2	9.7	6.1	9.6	6.1	9.5	5.9	9.4	5.9	9.4	5.9	9.4	5.9	9.4	5.9	9.5	5.9	9.8	6.1	10.1	6.4	10.4	6.6	10.6	6.7	10.7	6.8	11.1	7.0	11.4	7.3	11.6	7.3	11.6	7.3	11.5	7.3	11.2	7.1	10.6	6.8
W	10.4	6.6	10.0	6.4	9.9	6.3	9.9	6.2	9.8	6.2	9.8	6.2	9.6	6.0	9.6	6.0	9.6	5.9	9.6	6.0	9.6	5.9	9.6	6.0	9.9	6.2	10.3	6.5	10.6	6.6	10.7	6.8	10.9	6.9	11.0	7.0	11.3	7.2	11.6	7.3	11.8	7.4	11.9	7.5	11.7	7.4	11.0	7.0
NW	9.2	6.0	8.8	5.8	8.7	5.7	8.6	5.6	8.6	5.6	8.5	5.5	8.4	5.4	8.3	5.3	8.3	5.3	8.3	5.3	8.3	5.3	8.4	5.4	8.7	5.6	9.1	5.8	9.3	6.0	9.5	6.2	9.7	6.3	9.8	6.4	9.8	6.5	9.9	6.5	10.1	6.6	10.2	6.6	10.2	6.6	9.7	6.3
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	7.6	5.2	7.3	5.0	7.2	4.9	7.1	4.8	7.0	4.8	7.0	4.8	6.8	4.6	6.8	4.5	6.7	4.5	6.7	4.5	6.7	4.5	6.8	4.6	7.2	4.8	7.6	5.1	7.9	5.3	8.1	5.5	8.3	5.7	8.4	5.8	8.5	5.8	8.5	5.8	8.4	5.7	8.2	5.7	8.2	5.6	7.9	5.5
NE	8.2	5.5	8.0	5.4	8.0	5.3	7.9	5.2	7.8	5.2	7.8	5.1	7.6	4.9	7.5	4.9	7.5	4.9	7.5	4.9	7.5	4.9	7.6	5.0	8.1	5.2	8.9	5.8	9.3	6.0	9.4	6.1	9.2	6.1	9.2	6.2	9.3	6.2	9.2	6.2	9.1	6.1	9.0	6.1	8.9	6.0	8.6	5.8
E	9.3	6.1	9.1	5.9	9.0	5.8	8.9	5.7	8.8	5.7	8.8	5.7	8.6	5.5	8.6	5.4	8.5	5.4	8.5	5.4	8.5	5.4	8.7	5.5	9.1	5.8	10.2	6.4	10.7	6.7	10.9	6.9	10.8	6.9	10.5	6.8	10.3	6.8	10.3	6.7	10.2	6.6	10.1	6.6	9.9	6.5	9.6	6.3
SE	9.3	6.0	9.1	5.9	9.0	5.8	8.9	5.7	8.8	5.7	8.8	5.7	8.6	5.5	8.6	5.4	8.5	5.4	8.5	5.4	8.5	5.4	8.6	5.5	9.0	5.7	9.9	6.2	10.5	6.6	10.9	6.9	11.0	7.0	10.8	7.0	10.6	6.9	10.3	6.7	10.2	6.6	10.0	6.6	9.9	6.5	9.6	6.3
S	9.0	5.9	8.9	5.8	8.8	5.7	8.7	5.6	8.6	5.6	8.6	5.5	8.4	5.3	8.3	5.3	8.3	5.3	8.3	5.3	8.3	5.3	8.4	5.4	8.8	5.6	9.2	5.9	9.6	6.2	10.1	6.5	10.4	6.7	10.7	6.9	10.7	7.0	10.6	6.9	10.3	6.7	10.0	6.6	9.7	6.4	9.4	6.2
SW	10.1	6.5	9.8	6.3	9.7	6.2	9.6	6.1	9.5	6.0	9.5	6.0	9.3	5.8	9.3	5.8	9.2	5.7	9.3	5.8	9.2	5.7	9.3	5.8	9.7	6.0	10.1	6.4	10.4	6.6	10.7	6.8	10.8	6.9	11.2	7.2	11.7	7.4	11.9	7.5	11.9	7.5	11.8	7.4	11.4	7.2	10.7	6.8
W	10.4	6.6	9.9	6.3	9.8	6.3	9.7	6.2	9.7	6.1	9.7	6.1	9.5	5.9	9.4	5.9	9.4	5.8	9.4	5.8	9.4	5.8	9.5	5.9	9.8	6.1	10.3	6.4	10.6	6.7	10.8	6.9	11.0	7.0	11.1	7.1	11.4	7.3	11.8	7.5	12.1	7.6	12.2	7.7	11.9	7.5	11.1	7.0
NW	9.2	6.0	8.7	5.7	8.6	5.6	8.5	5.6	8.5	5.5	8.4	5.5	8.2	5.3	8.2	5.2	8.2	5.2	8.2	5.2	8.2	5.2	8.3	5.3	8.6	5.5	9.0	5.8	9.3	6.1	9.6	6.2	9.8	6.4	9.9	6.5	10.0	6.6	10.0	6.6	10.3	6.7	10.5	6.8	10.4	6.8	9.8	6.4
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	12.4	5.6	12.3	5.6	12.3	5.5	12.2	5.5	12.2	5.5	12.1	5.3	12.1	5.3	12.1	5.3	12.1	5.3	12.1	5.3	12.2	5.4	12.5	5.5	13.0	5.8	13.4	6.1	13.8	6.4	14.0	6.5	14.2	6.6	14.3	6.7	14.2	6.6	14.0	6.5	13.7	6.4	13.3	6.2	12.9	5.9	12.6	5.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: YALOVA (40.39)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1 D	1 L	2 D	2 L	3 D	3 L	4 D	4 L	5 D	5 L	6 D	6 L	7 D	7 L	8 D	8 L	9 D	9 L	10 D	10 L	11 D	11 L	12 D	12 L
W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																								
N	7.4	5.1	7.4	5.0	7.4	5.0	7.4	5.0	7.3	4.9	7.3	4.9	7.3	4.9	7.3	4.9	7.3	4.9	7.3	5.0	7.4	5.0	7.6	5.1
NE	8.2	5.5	8.2	5.4	8.2	5.4	8.2	5.4	8.1	5.4	8.1	5.3	8.1	5.3	8.1	5.3	8.1	5.3	8.2	5.4	8.3	5.4	8.6	5.6
E	9.3	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.4	6.0	9.7	6.2
SE	9.3	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.4	6.0	9.6	6.1
S	9.1	5.9	9.1	5.9	9.1	5.9	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8	9.1	5.9	9.2	6.0
SW	10.1	6.4	10.0	6.4	10.0	6.3	10.0	6.3	10.0	6.3	9.9	6.3	9.9	6.2	9.9	6.2	9.9	6.2	10.0	6.3	10.1	6.3	10.2	6.4
W	10.2	6.5	10.2	6.4	10.2	6.4	10.2	6.4	10.1	6.3	10.1	6.3	10.1	6.3	10.1	6.3	10.1	6.3	10.1	6.4	10.2	6.4	10.4	6.5
NW	8.9	5.8	8.9	5.8	8.9	5.8	8.9	5.8	8.8	5.7	8.8	5.7	8.8	5.7	8.8	5.7	8.8	5.7	8.8	5.7	8.9	5.8	9.1	5.9
W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	7.7	5.2	7.6	5.1	7.5	5.1	7.4	5.1	7.4	5.0	7.4	5.0	7.4	5.0	7.3	5.0	7.3	4.9	7.3	4.9	7.3	4.9	7.3	4.9
NE	8.4	5.6	8.3	5.5	8.3	5.5	8.3	5.5	8.2	5.5	8.2	5.4	8.2	5.4	8.1	5.4	8.1	5.4	8.1	5.3	8.1	5.3	8.1	5.3
E	9.5	6.2	9.4	6.1	9.4	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9
SE	9.5	6.2	9.4	6.1	9.4	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9	9.2	5.9
S	9.3	6.0	9.2	6.0	9.1	5.9	9.1	5.9	9.1	5.9	9.1	5.9	9.1	5.9	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8
SW	10.4	6.6	10.2	6.5	10.1	6.4	10.1	6.4	10.1	6.4	10.0	6.3	10.0	6.3	10.0	6.3	10.0	6.3	9.9	6.3	9.9	6.3	9.9	6.3
W	10.6	6.7	10.4	6.6	10.3	6.5	10.2	6.5	10.2	6.4	10.2	6.4	10.2	6.4	10.1	6.4	10.1	6.3	10.1	6.3	10.1	6.3	10.1	6.3
NW	9.3	6.0	9.1	5.9	9.0	5.8	8.9	5.8	8.9	5.8	8.9	5.8	8.9	5.8	8.8	5.7	8.8	5.7	8.8	5.7	8.8	5.7	8.8	5.7
W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																								
N	7.6	5.2	7.3	5.0	7.2	4.9	7.1	4.9	7.1	4.8	7.0	4.8	6.9	4.6	6.8	4.6	6.8	4.5	6.8	4.5	6.8	4.5	6.9	4.6
NE	8.3	5.5	8.1	5.4	8.0	5.3	7.9	5.3	7.9	5.2	7.8	5.2	7.6	5.0	7.6	5.0	7.6	4.9	7.6	4.9	7.6	4.9	7.7	5.0
E	9.3	6.1	9.1	5.9	9.0	5.8	8.9	5.8	8.9	5.7	8.9	5.7	8.7	5.5	8.6	5.5	8.6	5.4	8.6	5.5	8.6	5.4	8.7	5.5
SE	9.3	6.0	9.1	5.9	9.0	5.8	8.9	5.8	8.9	5.7	8.8	5.7	8.7	5.5	8.6	5.5	8.6	5.4	8.6	5.4	8.6	5.4	8.7	5.5
S	9.1	5.9	8.9	5.8	8.8	5.7	8.7	5.7	8.7	5.6	8.6	5.6	8.4	5.4	8.4	5.4	8.4	5.3	8.4	5.3	8.4	5.3	8.5	5.4
SW	10.1	6.5	9.8	6.3	9.7	6.2	9.6	6.1	9.6	6.1	9.6	6.0	9.4	5.9	9.3	5.8	9.3	5.8	9.3	5.8	9.3	5.8	9.4	5.9
W	10.4	6.6	10.0	6.4	9.9	6.3	9.8	6.2	9.8	6.2	9.7	6.1	9.5	5.9	9.5	5.9	9.5	5.9	9.5	5.9	9.5	5.9	9.6	5.9
NW	9.2	6.0	8.7	5.7	8.6	5.7	8.6	5.6	8.5	5.5	8.5	5.5	8.3	5.3	8.3	5.3	8.2	5.3	8.2	5.3	8.2	5.3	8.3	5.3
W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	7.6	5.2	7.6	5.1	7.5	5.1	7.5	5.1	7.4	5.1	7.4	5.0	7.4	5.0	7.4	5.0	7.4	5.0	7.3	5.0	7.4	5.0	7.3	5.0
NE	8.4	5.6	8.4	5.5	8.3	5.5	8.3	5.5	8.3	5.5	8.2	5.5	8.2	5.4	8.2	5.4	8.2	5.4	8.2	5.4	8.2	5.4	8.2	5.4
E	9.5	6.1	9.4	6.1	9.4	6.1	9.4	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.3	5.9	9.3	5.9	9.3	5.9	9.3	5.9	9.3	5.9
SE	9.5	6.1	9.4	6.1	9.4	6.1	9.4	6.0	9.3	6.0	9.3	6.0	9.3	6.0	9.3	5.9	9.3	5.9	9.3	5.9	9.3	5.9	9.3	5.9
S	9.3	6.0	9.2	6.0	9.2	5.9	9.1	5.9	9.1	5.9	9.1	5.9	9.1	5.9	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8	9.0	5.8
SW	10.4	6.6	10.2	6.5	10.1	6.4	10.1	6.4	10.1	6.4	10.1	6.4	10.1	6.4	10.0	6.3	10.0	6.3	10.0	6.3	10.0	6.3	10.0	6.3
W	10.6	6.7	10.4	6.6	10.3	6.5	10.3	6.5	10.3	6.5	10.2	6.5	10.2	6.4	10.2	6.4	10.2	6.4	10.2	6.4	10.2	6.4	10.2	6.4
NW	9.3	6.0	9.1	5.9	9.0	5.9	9.0	5.8	9.0	5.8	8.9	5.8	8.9	5.8	8.9	5.7	8.9	5.7	8.9	5.7	8.9	5.7	8.9	5.7
R2 - 12cm Concrete+2 cm plaster																								
R	6.6	2.9	6.0	2.3	5.4	1.7	5.1	1.5	4.9	1.2	3.6	-0.1	3.3	-0.3	3.1	-0.5	3.2	-0.5	3.2	-0.5	4.1	0.1	7.6	2.2

Hours 13–24

	13 D	13 L	14 D	14 L	15 D	15 L	16 D	16 L	17 D	17 L	18 D	18 L	19 D	19 L	20 D	20 L	21 D	21 L	22 D	22 L	23 D	23 L	24 D	24 L
W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																								
N	7.7	5.2	7.7	5.3	7.8	5.3	7.8	5.3	7.9	5.4	7.8	5.3	7.8	5.3	7.8	5.3	7.7	5.3	7.7	5.2	7.6	5.2	7.5	5.1
NE	8.7	5.7	8.7	5.7	8.6	5.7	8.7	5.7	8.7	5.8	8.7	5.8	8.6	5.7	8.6	5.7	8.5	5.7	8.4	5.6	8.3	5.5	8.3	5.5
E	9.9	6.3	9.9	6.4	9.9	6.3	9.8	6.3	9.8	6.3	9.7	6.3	9.7	6.3	9.7	6.3	9.6	6.2	9.5	6.2	9.4	6.1	9.4	6.0
SE	9.8	6.3	9.9	6.3	10.0	6.4	9.9	6.4	9.8	6.3	9.7	6.3	9.7	6.3	9.7	6.2	9.6	6.2	9.5	6.2	9.4	6.1	9.4	6.0
S	9.4	6.0	9.5	6.1	9.6	6.2	9.7	6.3	9.7	6.3	9.7	6.3	9.6	6.2	9.5	6.2	9.4	6.1	9.3	6.0	9.2	6.0	9.1	5.9
SW	10.3	6.5	10.4	6.6	10.4	6.6	10.6	6.7	10.7	6.8	10.8	6.8	10.8	6.8	10.7	6.8	10.6	6.7	10.4	6.6	10.2	6.5	10.1	6.4
W	10.5	6.6	10.5	6.7	10.6	6.7	10.6	6.7	10.7	6.8	10.9	6.9	10.9	6.9	11.0	6.9	10.9	6.9	10.6	6.7	10.4	6.6	10.3	6.5
NW	9.2	5.9	9.2	6.0	9.3	6.1	9.3	6.1	9.4	6.1	9.4	6.1	9.5	6.1	9.5	6.2	9.5	6.2	9.3	6.1	9.1	5.9	9.0	5.8
W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	7.3	5.0	7.4	5.0	7.6	5.1	7.7	5.2	7.7	5.2	7.8	5.3	7.8	5.3	7.8	5.3	7.8	5.3	7.8	5.3	7.8	5.3	7.7	5.3
NE	8.2	5.4	8.3	5.5	8.6	5.6	8.7	5.7	8.7	5.7	8.6	5.7	8.6	5.7	8.7	5.8	8.6	5.7	8.6	5.7	8.6	5.7	8.5	5.7
E	9.2	5.9	9.4	6.0	9.7	6.2	9.9	6.3	9.9	6.3	9.9	6.3	9.8	6.3	9.7	6.3	9.7	6.3	9.7	6.3	9.7	6.2	9.6	6.2
SE	9.2	5.9	9.4	6.0	9.6	6.1	9.8	6.3	9.9	6.3	9.9	6.4	9.9	6.4	9.8	6.3	9.7	6.3	9.7	6.3	9.7	6.2	9.6	6.2
S	9.0	5.8	9.1	5.9	9.2	6.0	9.4	6.0	9.5	6.1	9.6	6.2	9.7	6.2	9.7	6.3	9.7	6.3	9.6	6.2	9.5	6.2	9.4	6.1
SW	10.0	6.3	10.1	6.3	10.2	6.4	10.3	6.5	10.4	6.6	10.4	6.6	10.5	6.7	10.7	6.8	10.7	6.8	10.7	6.8	10.7	6.8	10.6	6.7
W	10.1	6.4	10.3	6.4	10.4	6.5	10.5	6.6	10.5	6.6	10.6	6.7	10.6	6.7	10.7	6.8	10.9	6.8	10.9	6.9	11.0	6.9	10.9	6.8
NW	8.8	5.7	9.0	5.8	9.1	5.9	9.2	5.9	9.2	6.0	9.3	6.0	9.3	6.1	9.4	6.1	9.4	6.1	9.4	6.1	9.5	6.2	9.5	6.2
W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																								
N	7.2	4.8	7.6	5.1	7.9	5.3	8.1	5.5	8.3	5.6	8.4	5.7	8.5	5.8	8.4	5.8	8.3	5.7	8.2	5.6	8.1	5.6	7.9	5.4
NE	8.1	5.3	8.9	5.8	9.2	6.0	9.3	6.1	9.1	6.1	9.2	6.1	9.2	6.2	9.2	6.2	9.1	6.1	9.0	6.0	8.8	6.0	8.6	5.8
E	9.1	5.8	10.1	6.4	10.6	6.7	10.8	6.9	10.7	6.8	10.4	6.7	10.3	6.7	10.2	6.7	10.1	6.6	10.0	6.5	9.9	6.5	9.6	6.3
SE	9.1	5.7	9.9	6.2	10.4	6.6	10.8	6.8	10.9	6.9	10.8	6.9	10.5	6.8	10.2	6.7	10.1	6.6	10.0	6.5	9.9	6.5	9.6	6.3
S	8.8	5.6	9.2	5.9	9.6	6.2	10.0	6.5	10.4	6.7	10.6	6.8	10.6	6.9	10.5	6.8	10.2	6.7	9.9	6.5	9.6	6.4	9.4	6.2
SW	9.7	6.1	10.1	6.4	10.4	6.6	10.6	6.8	10.8	6.9	11.2	7.1	11.6	7.3	11.8	7.4	11.8	7.4	11.7	7.4	11.3	7.2	10.7	6.8
W	9.9	6.2	10.3	6.4	10.6	6.7	10.8	6.8	11.0	7.0	11.1	7.1	11.4	7.2	11.7	7.4	12.0	7.5	12.1	7.6	11.8	7.5	11.1	7.0
NW	8.7	5.5	9.0	5.8	9.3	6.0	9.5	6.2	9.7	6.3	9.8	6.4	9.9	6.5	9.9	6.5	10.2	6.6	10.4	6.7	10.3	6.7	9.8	6.4
W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	7.4	5.0	7.5	5.0	7.6	5.1	7.6	5.2	7.7	5.2	7.7	5.3	7.8	5.3	7.8	5.3	7.8	5.3	7.7	5.3	7.7	5.3	7.7	5.3
NE	8.2	5.4	8.3	5.5	8.5	5.6	8.6	5.7	8.6	5.7	8.6	5.7	8.6	5.7	8.6	5.7	8.6	5.7	8.6	5.7	8.5	5.7	8.5	5.7
E	9.3	5.9	9.4	6.0	9.7	6.2	9.8	6.3	9.8	6.3	9.8	6.3	9.7	6.3	9.7	6.3	9.7	6.3	9.7	6.2	9.6	6.2	9.6	6.2
SE	9.3	5.9	9.4	6.0	9.6	6.1	9.7	6.2	9.8	6.3	9.9	6.3	9.8	6.3	9.8	6.3	9.7	6.2	9.7	6.2	9.6	6.2	9.6	6.2
S	9.0	5.8	9.1	5.9	9.2	6.0	9.3	6.0	9.5	6.1	9.5	6.2	9.6	6.2	9.6	6.2	9.6	6.2	9.5	6.2	9.4	6.1	9.4	6.1
SW	10.0	6.3	10.1	6.4	10.2	6.4	10.3	6.5	10.4	6.6	10.4	6.6	10.5	6.6	10.6	6.7	10.7	6.7	10.7	6.7	10.6	6.7	10.5	6.7
W	10.2	6.4	10.3	6.5	10.4	6.5	10.5	6.6	10.5	6.6	10.6	6.7	10.6	6.7	10.7	6.7	10.8	6.8	10.8	6.8	10.9	6.8	10.8	6.8
NW	8.9	5.7	9.0	5.8	9.1	5.9	9.2	5.9	9.2	6.0	9.3	6.0	9.3	6.0	9.3	6.1	9.3	6.1	9.4	6.1	9.4	6.1	9.4	6.1
R2 - 12cm Concrete+2 cm plaster																								
R	13.6	5.8	18.8	8.9	23.3	11.7	26.2	13.5	28.0	14.7	28.7	15.3	27.8	14.8	25.2	13.4	22.2	11.8	18.1	9.7	12.9	6.7	8.8	4.2

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: YOZGAT (39.50)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	6.4	4.3	6.0	4.0	5.9	3.9	5.8	3.8	5.7	3.7	5.4	3.4	5.4	3.3	5.3	3.2	5.2	3.2	5.1	3.0	5.3	3.1	6.3	3.9	7.2	4.6	7.8	5.1	8.2	5.5	8.6	5.8	8.8	5.9	8.9	6.0	8.8	6.0	8.7	5.9	8.5	5.9	8.2	5.6	7.8	5.4	7.2	4.9
NE	7.4	4.9	7.1	4.5	7.0	4.4	6.9	4.3	6.8	4.2	6.5	3.9	6.4	3.8	6.3	3.8	6.2	3.7	6.1	3.5	6.4	3.7	7.9	4.7	9.7	5.9	10.3	6.4	10.2	6.4	9.8	6.4	9.8	6.4	9.9	6.5	9.9	6.5	9.7	6.5	9.6	6.4	9.2	6.1	8.6	5.8	8.0	5.3
E	8.6	5.4	8.2	5.1	8.1	5.0	8.0	4.9	7.9	4.8	7.6	4.5	7.6	4.4	7.5	4.3	7.4	4.3	7.3	4.1	7.6	4.3	9.2	5.4	11.4	6.7	12.4	7.4	12.5	7.6	12.1	7.5	11.5	7.3	11.1	7.1	11.0	7.1	10.9	7.0	10.7	7.0	10.3	6.7	9.8	6.3	9.1	5.9
SE	8.6	5.4	8.2	5.1	8.1	5.0	8.0	4.9	7.9	4.8	7.6	4.5	7.6	4.4	7.5	4.3	7.4	4.3	7.3	4.1	7.5	4.2	8.9	5.2	10.8	6.4	12.0	7.2	12.5	7.6	12.6	7.7	12.2	7.6	11.7	7.4	11.0	7.1	10.9	7.0	10.7	7.0	10.3	6.7	9.8	6.3	9.1	5.9
S	8.1	5.2	7.7	4.8	7.6	4.7	7.5	4.6	7.4	4.5	7.1	4.2	7.0	4.1	6.9	4.1	6.9	4.0	6.7	3.9	6.9	3.9	7.8	4.6	8.8	5.4	9.8	6.1	10.7	6.7	11.4	7.2	11.8	7.4	11.9	7.5	11.6	7.4	11.2	7.2	10.5	6.8	9.8	6.4	9.2	6.1	8.6	5.6
SW	8.7	5.5	8.4	5.1	8.3	5.0	8.2	5.0	8.1	4.8	7.8	4.6	7.7	4.5	7.6	4.4	7.5	4.3	7.4	4.2	7.6	4.3	8.5	5.0	9.5	5.8	10.1	6.3	10.6	6.6	10.9	6.9	11.7	7.4	12.5	7.8	13.0	8.1	13.1	8.2	12.5	7.9	12.0	7.6	10.6	6.8	9.6	6.1
W	8.8	5.5	8.4	5.2	8.3	5.1	8.2	5.0	8.1	4.9	7.8	4.6	7.8	4.5	7.7	4.4	7.6	4.4	7.5	4.2	7.6	4.3	8.6	5.0	9.5	5.8	10.2	6.3	10.6	6.7	11.0	7.0	11.2	7.1	11.7	7.4	12.6	7.9	13.2	8.2	13.0	8.1	12.8	7.9	11.2	7.0	10.0	6.3
NW	7.6	5.0	7.2	4.6	7.1	4.5	7.1	4.4	6.9	4.3	6.7	4.0	6.6	3.9	6.5	3.8	6.4	3.8	6.3	3.6	6.4	3.7	7.4	4.4	8.4	5.2	9.0	5.7	9.5	6.1	9.8	6.4	10.0	6.5	10.1	6.6	10.2	6.7	10.8	7.0	11.0	7.1	11.0	7.0	9.8	6.4	8.8	5.7
	W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																																															
N	7.0	4.7	6.8	4.5	6.6	4.4	6.6	4.3	6.6	4.3	6.5	4.3	6.5	4.2	6.4	4.2	6.4	4.1	6.4	4.1	6.3	4.1	6.4	4.1	6.7	4.3	7.0	4.6	7.2	4.7	7.4	4.9	7.5	4.9	7.5	5.0	7.6	5.0	7.5	5.0	7.5	5.0	7.4	5.0	7.3	4.9	7.2	4.8
NE	8.1	5.2	7.9	5.1	7.8	4.9	7.8	4.9	7.7	4.9	7.7	4.9	7.6	4.8	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.6	7.6	4.7	8.1	5.0	8.6	5.4	8.8	5.6	8.8	5.6	8.7	5.5	8.7	5.6	8.7	5.6	8.7	5.6	8.7	5.6	8.6	5.6	8.5	5.5	8.3	5.4
E	9.4	5.8	9.2	5.7	9.1	5.6	9.1	5.6	9.0	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.3	8.8	5.3	8.9	5.3	9.4	5.7	10.1	6.1	10.4	6.4	10.5	6.4	10.4	6.4	10.1	6.3	10.0	6.3	10.0	6.2	9.9	6.2	9.9	6.2	9.8	6.1	9.6	6.0
SE	9.4	5.8	9.2	5.7	9.1	5.6	9.1	5.6	9.0	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.8	5.4	8.8	5.3	8.8	5.3	8.9	5.3	9.3	5.6	9.9	6.0	10.3	6.3	10.5	6.4	10.5	6.5	10.4	6.4	10.2	6.3	10.0	6.2	9.9	6.2	9.9	6.2	9.8	6.1	9.6	6.0
S	8.8	5.5	8.6	5.4	8.5	5.3	8.4	5.3	8.4	5.2	8.4	5.2	8.3	5.1	8.3	5.1	8.2	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.5	5.2	8.8	5.5	9.2	5.7	9.5	5.9	9.7	6.0	9.8	6.1	9.8	6.2	9.8	6.1	9.6	6.1	9.4	5.9	9.2	5.8	9.0	5.7
SW	9.6	6.0	9.4	5.8	9.2	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.1	5.5	9.0	5.5	9.0	5.4	9.0	5.4	8.9	5.4	9.0	5.4	9.3	5.6	9.6	5.9	9.8	6.0	10.0	6.2	10.1	6.2	10.3	6.4	10.6	6.5	10.7	6.6	10.8	6.6	10.6	6.5	10.4	6.5	10.0	6.2
W	9.8	6.1	9.4	5.8	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.1	5.5	9.1	5.5	9.1	5.5	9.0	5.4	9.0	5.4	9.0	5.4	9.3	5.7	9.7	5.9	9.9	6.1	10.0	6.2	10.1	6.3	10.2	6.3	10.4	6.4	10.6	6.6	10.8	6.7	10.8	6.6	10.7	6.6	10.2	6.3
NW	8.5	5.4	8.1	5.2	8.0	5.1	8.0	5.0	7.9	5.0	7.9	5.0	7.8	4.9	7.8	4.8	7.8	4.8	7.7	4.8	7.7	4.7	7.7	4.8	8.0	5.0	8.4	5.3	8.6	5.4	8.7	5.5	8.8	5.6	8.9	5.7	8.9	5.7	9.0	5.7	9.2	5.8	9.2	5.9	9.2	5.8	8.8	5.6
	W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																																															
N	7.0	4.7	6.7	4.5	6.5	4.3	6.5	4.3	6.5	4.2	6.4	4.2	6.3	4.1	6.3	4.0	6.2	4.0	6.2	3.9	6.1	3.9	6.2	3.9	6.7	4.3	7.0	4.6	7.3	4.8	7.5	5.0	7.7	5.1	7.7	5.2	7.8	5.2	7.8	5.2	7.7	5.2	7.6	5.1	7.5	5.0	7.3	4.9
NE	8.1	5.2	7.8	5.0	7.7	4.9	7.6	4.8	7.6	4.8	7.5	4.7	7.4	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.3	4.5	7.4	4.5	8.1	5.0	8.8	5.5	9.1	5.7	9.0	5.7	8.9	5.7	8.9	5.7	8.9	5.8	8.9	5.8	8.8	5.7	8.8	5.7	8.6	5.6	8.4	5.4
E	9.3	5.9	9.1	5.7	8.9	5.5	8.9	5.5	8.9	5.4	8.8	5.4	8.7	5.3	8.7	5.2	8.6	5.2	8.6	5.2	8.5	5.1	8.7	5.2	9.4	5.6	10.3	6.2	10.8	6.5	10.8	6.6	10.7	6.6	10.4	6.5	10.2	6.4	10.2	6.4	10.1	6.4	10.0	6.3	9.9	6.2	9.6	6.1
SE	9.3	5.9	9.1	5.7	8.9	5.5	8.9	5.5	8.9	5.4	8.8	5.4	8.7	5.3	8.7	5.2	8.6	5.2	8.6	5.1	8.5	5.1	8.6	5.1	9.2	5.5	10.1	6.1	10.6	6.4	10.8	6.6	10.8	6.7	10.7	6.6	10.5	6.5	10.2	6.4	10.1	6.4	10.0	6.3	9.9	6.2	9.6	6.1
S	8.7	5.6	8.5	5.4	8.3	5.2	8.3	5.2	8.3	5.1	8.2	5.1	8.1	5.0	8.1	4.9	8.0	4.9	8.0	4.9	7.9	4.8	8.0	4.8	8.4	5.1	8.8	5.5	9.3	5.8	9.7	6.0	10.0	6.2	10.1	6.3	10.2	6.4	10.1	6.3	9.9	6.2	9.6	6.1	9.3	5.9	9.0	5.8
SW	9.6	6.0	9.3	5.7	9.1	5.6	9.1	5.5	9.0	5.5	9.0	5.5	8.8	5.3	8.8	5.3	8.8	5.3	8.7	5.2	8.7	5.2	8.7	5.2	9.2	5.5	9.6	5.9	9.9	6.1	10.1	6.2	10.2	6.4	10.6	6.6	10.9	6.7	11.1	6.9	11.2	6.9	10.9	6.8	10.7	6.6	10.1	6.3
W	9.8	6.1	9.3	5.8	9.2	5.6	9.1	5.6	9.1	5.5	9.0	5.5	8.9	5.4	8.9	5.3	8.8	5.3	8.8	5.3	8.7	5.2	8.8	5.2	9.2	5.5	9.6	5.9	9.9	6.1	10.1	6.3	10.3	6.4	10.4	6.5	10.6	6.6	11.0	6.8	11.2	6.9	11.1	6.9	11.1	6.8	10.4	6.4
NW	8.6	5.5	8.0	5.1	7.9	5.0	7.8	4.9	7.8	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.6	7.5	4.6	7.5	4.6	7.9	4.9	8.4	5.3	8.6	5.5	8.8	5.6	9.0	5.8	9.1	5.8	9.1	5.9	9.2	5.9	9.4	6.0	9.5	6.1	9.5	6.0	9.0	5.7
	W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																																															
N	7.1	4.7	6.7	4.4	6.5	4.3	6.4	4.2	6.4	4.2	6.3	4.1	6.2	4.0	6.1	3.9	6.1	3.9	6.0	3.8	6.0	3.8	6.1	3.8	6.6	4.2	7.1	4.6	7.4	4.9	7.6	5.0	7.8	5.2	7.9	5.3	8.0	5.3	7.9	5.3	7.8	5.3	7.8	5.2	7.6	5.1	7.4	5.0
NE	8.0	5.2	7.8	5.0	7.6	4.8	7.5	4.8	7.5	4.7	7.4	4.7	7.3	4.5	7.2	4.5	7.2	4.4	7.2	4.4	7.1	4.3	7.2	4.4	8.0	4.9	8.9	5.5	9.3	5.8	9.2	5.8	9.0	5.8	9.0	5.8	9.1	5.9	9.0	5.9	9.0	5.8	8.9	5.8	8.7	5.7	8.4	5.5
E	9.3	5.9	9.0	5.6	8.8	5.4	8.8	5.4	8.7	5.3	8.7	5.3	8.5	5.1	8.5	5.1	8.4	5.1	8.4	5.0	8.3	4.9	8.5	5.0	9.4	5.6	10.5	6.3	11.0	6.7	11.1	6.8	10.9	6.7	10.5	6.6	10.3	6.5	10.3	6.5	10.2	6.5	10.1	6.4	9.9	6.3	9.7	6.1
SE	9.3	5.9	9.0	5.6	8.8	5.4	8.8	5.4	8.7	5.3	8.7	5.3	8.5	5.1	8.5	5.1	8.4	5.1	8.4	5.0	8.3	4.9	8.5	5.0	9.2	5.5	10.2	6.1	10.8	6.6	11.0	6.8	11.1	6.8	10.9	6.8	10.6	6.7	10.3	6.5	10.2	6.5	10.1	6.4	9.9	6.3	9.6	6.1
S	8.7	5.6	8.4	5.3	8.2	5.1	8.2	5.1	8.1	5.0	8.1	5.0	7.9	4.8	7.9	4.8	7.9	4.8	7.8	4.7	7.8	4.7	7.8	4.7	8.3	5.1	8.8	5.5	9.4	5.8	9.8	6.1	10.2	6.4	10.4	6.5	10.4	6.6	10.3	6.5	10.1	6.4	9.7	6.2	9.3	6.0	9.1	5.8
SW	9.6	6.0	9.2	5.7	9.0	5.5	8.9	5.5	8.9	5.4	8.8	5.4	8.7	5.2	8.6	5.2	8.6	5.1	8.6	5.1	8.5	5.0	8.6	5.1	9.1	5.4	9.6	5.9	9.9	6.1	10.1	6.3	10.3	6.4	10.7	6.7	11.1	6.9	11.4	7.0	11.5	7.1	11.2	6.9	10.9	6.8	10.2	6.4
W	9.9	6.1	9.2	5.7	9.0	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.7	5.2	8.7	5.2	8.7	5.2	8.6	5.1	8.5	5.1	8.6	5.1	9.1	5.5	9.6	5.9	10.0	6.1	10.2	6.3	10.4	6.5	10.5	6.6	10.8	6.7	11.2	7.0	11.5	7.1	11.4	7.1	11.3	7.0	10.5	6.5
NW	8.6	5.5	8.0	5.1	7.8	4.9	7.7	4.9	7.7	4.8	7.6	4.8	7.5	4.6	7.4	4.6	7.4	4.5	7.4	4.5	7.3	4.4	7.4	4.5	7.9	4.8	8.4	5.3	8.7	5.5	8.9	5.7	9.1	5.8	9.2	5.9	9.3	6.0	9.3	6.0	9.6	6.2	9.7	6.2	9.7	6.2	9.1	5.8
	R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																																															
R	5.2	2.9	5.2	2.8	5.1	2.8	5.1	2.7	5.0	2.7	4.9	2.6	4.9	2.6	4.8	2.5	4.8	2.5	4.8	2.5	4.8	2.5	5.0	2.6	5.3	2.8	5.5	3.0	5.7	3.2	5.9	3.4	6.0	3.5	6.1	3.5	6.1	3.5	6.1	3.5	5.9	3.4	5.8	3.3	5.7	3.2	5.6	3.1

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: YOZGAT (39.50)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																															
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																															
N	8.4	5.9	7.3	5.1	6.0	4.2	5.4	3.6	5.3	3.4	5.1	3.3	4.9	3.1	4.5	2.6	4.4	2.5	4.2	2.4	4.1	2.3	3.9	2.0	4.2	2.2	5.9	3.5	7.3	4.7	8.3	5.5	9.1	6.1	9.6	6.5	10.0	6.8	10.1	7.0	10.0	6.9	9.8	6.8	9.5	6.7	9.0	6.3
NE	8.9	6.2	7.8	5.4	7.0	4.7	6.4	4.1	6.2	3.9	6.1	3.8	5.9	3.6	5.4	3.1	5.3	3.0	5.1	2.8	5.0	2.7	4.8	2.5	5.3	2.7	7.8	4.4	10.6	6.3	11.6	7.1	11.4	7.3	10.8	7.1	10.9	7.3	11.1	7.4	11.0	7.4	10.7	7.3	10.5	7.2	9.8	6.8
E	10.0	6.7	8.9	5.9	8.0	5.2	7.4	4.6	7.2	4.4	7.1	4.3	6.9	4.1	6.5	3.6	6.3	3.5	6.2	3.4	6.1	3.2	5.9	3.0	6.4	3.3	9.1	5.0	12.6	7.3	14.3	8.5	14.4	8.7	13.8	8.6	12.7	8.2	12.1	7.9	12.0	7.9	11.8	7.8	11.5	7.7	10.9	7.3
SE	10.0	6.7	8.9	5.9	8.0	5.2	7.4	4.6	7.2	4.4	7.1	4.3	6.9	4.1	6.4	3.6	6.3	3.5	6.2	3.4	6.0	3.2	5.8	3.0	6.2	3.2	8.4	4.7	11.6	6.8	13.5	8.1	14.4	8.7	14.5	9.0	14.0	8.8	13.1	8.4	12.0	7.9	11.8	7.8	11.5	7.7	10.9	7.3
S	9.5	6.4	8.4	5.6	7.5	4.9	6.9	4.3	6.7	4.2	6.6	4.0	6.4	3.8	6.0	3.4	5.8	3.3	5.7	3.1	5.6	3.0	5.4	2.8	5.6	2.9	7.1	4.1	8.8	5.4	10.4	6.5	11.9	7.5	13.0	8.2	13.6	8.6	13.8	8.8	13.4	8.6	12.7	8.3	11.6	7.7	10.4	7.0
SW	11.3	7.3	9.5	6.2	8.2	5.3	7.5	4.7	7.4	4.5	7.2	4.3	7.0	4.2	6.6	3.7	6.5	3.6	6.3	3.4	6.2	3.3	6.0	3.1	6.2	3.2	7.8	4.4	9.4	5.7	10.4	6.5	11.2	7.1	11.7	7.6	13.1	8.3	14.3	9.0	15.1	9.4	15.3	9.6	14.4	9.1	13.6	8.6
W	12.1	7.7	10.2	6.5	8.2	5.3	7.6	4.7	7.4	4.5	7.3	4.4	7.1	4.2	6.6	3.7	6.5	3.6	6.4	3.5	6.2	3.3	6.0	3.1	6.3	3.2	7.8	4.4	9.4	5.7	10.5	6.6	11.2	7.1	11.8	7.6	12.1	7.9	13.0	8.4	14.4	9.1	15.4	9.6	15.0	9.4	14.8	9.2
NW	10.8	7.1	9.1	6.0	7.1	4.8	6.5	4.2	6.4	4.0	6.2	3.8	6.0	3.7	5.6	3.2	5.5	3.1	5.3	2.9	5.2	2.8	5.0	2.6	5.2	2.7	6.8	3.9	8.4	5.2	9.4	6.0	10.2	6.6	10.7	7.1	11.1	7.4	11.2	7.5	11.4	7.6	12.4	8.1	12.7	8.2	12.7	8.2
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.1	4.7	7.0	4.6	6.9	4.5	6.8	4.5	6.8	4.5	6.8	4.4	6.7	4.4	6.7	4.4	6.7	4.4	6.7	4.4	6.7	4.3	6.6	4.3	6.7	4.3	6.8	4.5	7.0	4.6	7.1	4.6	7.1	4.7	7.2	4.7	7.2	4.8	7.2	4.8	7.2	4.8	7.2	4.8	7.2	4.8	7.1	4.7
NE	8.2	5.3	8.1	5.2	8.0	5.1	8.0	5.1	8.0	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.9	4.9	7.8	4.9	7.8	4.9	7.9	4.9	8.1	5.1	8.4	5.3	8.5	5.4	8.5	5.4	8.4	5.4	8.4	5.4	8.4	5.4	8.4	5.4	8.4	5.4	8.4	5.4	8.3	5.3
E	9.5	5.9	9.4	5.8	9.4	5.8	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.5	5.8	9.8	6.0	10.0	6.1	10.0	6.1	9.9	6.1	9.8	6.1	9.8	6.0	9.7	6.0	9.7	6.0	9.7	6.0	9.6	6.0
SE	9.5	5.9	9.4	5.8	9.4	5.8	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.4	5.7	9.7	5.9	9.9	6.1	10.0	6.1	10.0	6.1	9.9	6.1	9.8	6.1	9.7	6.0	9.7	6.0	9.7	6.0	9.6	6.0
S	8.9	5.6	8.8	5.5	8.7	5.5	8.7	5.4	8.7	5.4	8.6	5.4	8.6	5.4	8.6	5.3	8.6	5.3	8.6	5.3	8.5	5.3	8.5	5.3	8.5	5.3	8.7	5.4	8.9	5.5	9.0	5.6	9.2	5.7	9.3	5.8	9.3	5.8	9.3	5.8	9.3	5.8	9.2	5.8	9.1	5.7	9.0	5.7
SW	9.8	6.1	9.7	6.0	9.5	5.9	9.5	5.8	9.4	5.8	9.4	5.8	9.4	5.8	9.4	5.7	9.4	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.5	5.8	9.6	5.9	9.7	6.0	9.8	6.0	9.9	6.1	10.0	6.2	10.1	6.2	10.2	6.3	10.2	6.3	10.1	6.2	10.0	6.2
W	10.0	6.1	9.8	6.0	9.6	5.9	9.5	5.8	9.5	5.8	9.5	5.8	9.5	5.8	9.4	5.7	9.4	5.7	9.4	5.7	9.4	5.7	9.4	5.7	9.4	5.7	9.5	5.8	9.7	5.9	9.8	6.0	9.9	6.1	9.9	6.1	10.0	6.1	10.0	6.2	10.2	6.3	10.3	6.3	10.2	6.3	10.2	6.3
NW	8.6	5.4	8.4	5.3	8.2	5.2	8.2	5.2	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.1	5.0	8.1	5.0	8.0	5.0	8.1	5.0	8.2	5.1	8.4	5.3	8.5	5.3	8.5	5.4	8.6	5.4	8.6	5.5	8.6	5.5	8.7	5.5	8.7	5.5	8.8	5.6	8.8	5.6
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																															
N	7.0	4.7	6.7	4.5	6.5	4.3	6.4	4.2	6.4	4.2	6.3	4.1	6.2	4.0	6.2	4.0	6.1	3.9	6.1	3.9	6.0	3.8	6.1	3.9	6.6	4.2	7.1	4.6	7.3	4.8	7.6	5.0	7.7	5.1	7.8	5.2	7.9	5.3	7.9	5.3	7.8	5.2	7.7	5.2	7.5	5.1	7.4	4.9
NE	8.1	5.2	7.8	5.0	7.6	4.8	7.6	4.8	7.5	4.7	7.5	4.7	7.3	4.6	7.3	4.5	7.3	4.5	7.2	4.4	7.2	4.4	7.3	4.4	8.0	4.9	8.9	5.5	9.2	5.8	9.1	5.8	8.9	5.7	9.0	5.8	9.0	5.8	9.0	5.8	8.9	5.8	8.8	5.8	8.6	5.6	8.4	5.5
E	9.3	5.9	9.1	5.7	8.9	5.5	8.8	5.4	8.8	5.4	8.7	5.3	8.6	5.2	8.6	5.2	8.5	5.1	8.5	5.1	8.4	5.0	8.6	5.1	9.4	5.6	10.4	6.3	10.9	6.6	11.0	6.7	10.8	6.7	10.5	6.5	10.3	6.5	10.2	6.5	10.2	6.4	10.1	6.4	9.9	6.3	9.6	6.1
SE	9.3	5.9	9.1	5.6	8.9	5.5	8.8	5.4	8.8	5.4	8.7	5.3	8.6	5.2	8.6	5.1	8.5	5.1	8.5	5.1	8.4	5.0	8.5	5.1	9.2	5.5	10.1	6.1	10.7	6.5	10.9	6.7	11.0	6.8	10.8	6.7	10.6	6.6	10.2	6.4	10.2	6.4	10.1	6.4	9.9	6.3	9.6	6.1
S	8.7	5.6	8.5	5.4	8.3	5.2	8.2	5.1	8.2	5.1	8.1	5.0	8.0	4.9	8.0	4.9	7.9	4.8	7.9	4.8	7.8	4.7	7.9	4.7	8.4	5.1	8.8	5.5	9.3	5.8	9.8	6.1	10.1	6.3	10.3	6.4	10.3	6.5	10.2	6.4	10.0	6.3	9.7	6.2	9.3	6.0	9.0	5.8
SW	9.6	6.0	9.2	5.7	9.0	5.5	9.0	5.5	8.9	5.5	8.9	5.4	8.8	5.3	8.7	5.2	8.7	5.2	8.6	5.1	8.6	5.1	8.6	5.1	9.1	5.5	9.6	5.9	9.9	6.1	10.1	6.3	10.3	6.4	10.7	6.6	11.0	6.8	11.3	7.0	11.3	7.0	11.1	6.9	10.8	6.7	10.1	6.3
W	9.9	6.1	9.3	5.8	9.1	5.6	9.0	5.5	9.0	5.5	8.9	5.4	8.8	5.3	8.8	5.3	8.7	5.2	8.7	5.2	8.6	5.1	8.7	5.1	9.2	5.5	9.6	5.9	9.9	6.1	10.2	6.3	10.3	6.4	10.4	6.5	10.7	6.7	11.1	6.9	11.4	7.0	11.3	7.0	11.2	6.9	10.4	6.5
NW	8.6	5.5	8.0	5.1	7.8	4.9	7.8	4.9	7.7	4.8	7.7	4.8	7.5	4.7	7.5	4.6	7.5	4.6	7.4	4.5	7.4	4.5	7.4	4.5	7.9	4.9	8.4	5.3	8.7	5.5	8.9	5.7	9.1	5.8	9.2	5.9	9.2	5.9	9.3	6.0	9.6	6.1	9.6	6.2	9.6	6.1	9.1	5.8
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																															
N	7.0	4.7	7.0	4.6	6.9	4.5	6.8	4.5	6.8	4.5	6.8	4.5	6.8	4.4	6.7	4.4	6.7	4.4	6.7	4.4	6.7	4.4	6.7	4.4	6.7	4.4	6.9	4.5	7.0	4.6	7.0	4.6	7.1	4.7	7.1	4.7	7.2	4.7	7.2	4.7	7.2	4.7	7.2	4.7	7.1	4.7	7.1	4.7
NE	8.2	5.2	8.1	5.2	8.1	5.1	8.0	5.1	8.0	5.1	8.0	5.1	8.0	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.9	5.0	7.9	5.0	8.1	5.1	8.3	5.3	8.4	5.3	8.4	5.3	8.4	5.3	8.4	5.3	8.4	5.3	8.4	5.3	8.4	5.3	8.3	5.3	8.3	5.3
E	9.5	5.9	9.5	5.8	9.4	5.8	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.3	5.6	9.5	5.8	9.7	6.0	9.9	6.0	9.9	6.1	9.8	6.1	9.8	6.0	9.7	6.0	9.7	6.0	9.7	6.0	9.7	6.0	9.6	6.0
SE	9.5	5.9	9.5	5.8	9.4	5.8	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.3	5.7	9.2	5.6	9.2	5.6	9.2	5.6	9.2	5.6	9.4	5.8	9.7	5.9	9.8	6.0	9.9	6.1	9.9	6.1	9.9	6.1	9.8	6.0	9.7	6.0	9.7	6.0	9.7	6.0	9.6	6.0
S	8.9	5.6	8.8	5.5	8.8	5.5	8.7	5.4	8.7	5.4	8.7	5.4	8.7	5.4	8.6	5.4	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.6	5.3	8.7	5.4	8.9	5.5	9.0	5.6	9.1	5.7	9.2	5.7	9.2	5.8	9.2	5.8	9.2	5.8	9.2	5.7	9.1	5.7	9.0	5.6
SW	9.8	6.0	9.7	5.9	9.5	5.9	9.5	5.8	9.5	5.8	9.5	5.8	9.5	5.8	9.4	5.7	9.4	5.7	9.4	5.7	9.4	5.7	9.4	5.7	9.4	5.7	9.5	5.8	9.6	5.9	9.7	6.0	9.8	6.0	9.8	6.1	9.9	6.1	10.0	6.2	10.1	6.2	10.1	6.2	10.0	6.2	10.0	6.1
W	9.9	6.1	9.8	6.0	9.6	5.9	9.6	5.9	9.5	5.8	9.5	5.8	9.5	5.8	9.5	5.8	9.5	5.8	9.5	5.8	9.4	5.7	9.4	5.7	9.4	5.7	9.6	5.8	9.7	5.9	9.8	6.0	9.8	6.0	9.9	6.1	9.9	6.1	10.0	6.1	10.1	6.2	10.2	6.2	10.1	6.2	10.1	6.2
NW	8.6	5.4	8.4	5.3	8.3	5.2	8.2	5.2	8.2	5.2	8.2	5.2	8.2	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.2	5.2	8.4	5.3	8.4	5.3	8.5	5.4	8.5	5.4	8.6	5.4	8.6	5.4	8.6	5.5	8.7	5.5	8.7	5.5	8.7	5.5
	R2 - 12cm Concrete+2 cm plaster																																															
R	4.1	0.4	3.7	0.0	2.7	-0.9	2.5	-1.2	2.2	-1.5	1.9	-1.7	1.5	-2.2	2.4	-1.7	7.4	1.6	14.0	6.0	19.5	9.4	23.6	11.9	26.5	13.7	28.0	14.7	28.4	15.0	27.4	14.5	25.3	13.5	21.2	11.5	17.7	9.6	12.6	6.7	8.6	4.2	6.1	2.4	4.7	1.1	4.4	0.7

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: ZONGULDAK (41.27)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

Hours 1–12

	1		2		3		4		5		6		7		8		9		10		11		12	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	6.1	4.0	6.0	3.9	5.9	3.7	5.8	3.7	5.8	3.7	5.9	3.8	5.9	3.7	5.8	3.7	5.8	3.6	5.8	3.6	6.2	3.9	6.8	4.2
NE	6.9	4.3	6.8	4.3	6.6	4.1	6.6	4.1	6.6	4.1	6.7	4.1	6.6	4.1	6.6	4.1	6.5	4.0	6.6	4.0	7.1	4.3	8.0	4.9
E	7.8	4.8	7.7	4.7	7.6	4.6	7.5	4.5	7.5	4.5	7.6	4.6	7.5	4.6	7.5	4.5	7.4	4.5	7.5	4.5	8.0	4.8	9.1	5.4
SE	7.8	4.8	7.7	4.7	7.5	4.6	7.5	4.5	7.5	4.5	7.6	4.6	7.5	4.6	7.5	4.5	7.4	4.4	7.4	4.5	7.8	4.7	8.7	5.2
S	7.5	4.6	7.4	4.6	7.2	4.4	7.2	4.4	7.2	4.4	7.2	4.4	7.2	4.4	7.2	4.4	7.1	4.3	7.1	4.3	7.4	4.5	8.0	4.8
SW	7.7	4.8	7.7	4.7	7.5	4.6	7.5	4.5	7.5	4.5	7.5	4.6	7.5	4.5	7.5	4.5	7.4	4.4	7.4	4.5	7.7	4.6	8.2	5.0
W	7.7	4.7	7.6	4.7	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.5	7.4	4.5	7.4	4.5	7.3	4.4	7.4	4.4	7.6	4.6	8.2	4.9
NW	6.9	4.3	6.8	4.3	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.5	4.0	6.5	4.0	6.8	4.2	7.4	4.5
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	6.8	4.3	6.6	4.2	6.6	4.2	6.5	4.2	6.5	4.1	6.5	4.1	6.5	4.2	6.5	4.2	6.5	4.1	6.5	4.1	6.5	4.1	6.6	4.2
NE	7.6	4.7	7.5	4.7	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.4	4.5	7.5	4.6
E	8.6	5.2	8.5	5.2	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.5	5.2
SE	8.6	5.2	8.5	5.2	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.1	8.4	5.0	8.4	5.1	8.5	5.1
S	8.2	5.1	8.1	5.0	8.1	5.0	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.0	4.9	8.1	4.9
SW	8.6	5.2	8.4	5.1	8.4	5.1	8.4	5.1	8.3	5.1	8.3	5.1	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.4	5.1
W	8.5	5.2	8.3	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.0	8.2	5.0	8.2	5.0	8.3	5.0
NW	7.6	4.8	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.4	4.6	7.3	4.5	7.3	4.5	7.4	4.6
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	6.7	4.3	6.5	4.2	6.5	4.2	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.1	6.4	4.0	6.4	4.0	6.5	4.1
NE	7.5	4.7	7.4	4.6	7.3	4.6	7.3	4.5	7.2	4.5	7.2	4.5	7.3	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.2	4.5	7.4	4.6
E	8.5	5.2	8.4	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.3	5.0	8.3	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.4	5.1
SE	8.5	5.2	8.4	5.1	8.3	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.3	5.0	8.2	5.0	8.2	5.0	8.2	4.9	8.2	5.0	8.4	5.1
S	8.2	5.0	8.0	4.9	8.0	4.9	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	7.9	4.8	8.0	4.9
SW	8.5	5.2	8.3	5.1	8.3	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.3	5.0
W	8.5	5.2	8.2	5.0	8.2	5.0	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.2	5.0
NW	7.6	4.8	7.3	4.6	7.3	4.6	7.3	4.5	7.2	4.5	7.2	4.5	7.3	4.5	7.2	4.5	7.2	4.5	7.2	4.4	7.2	4.5	7.3	4.5
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	6.1	4.0	6.0	3.9	5.9	3.7	5.8	3.7	5.8	3.7	5.9	3.8	5.9	3.7	5.8	3.7	5.8	3.6	5.8	3.6	6.2	3.9	6.8	4.2
NE	6.9	4.3	6.8	4.3	6.6	4.1	6.6	4.1	6.6	4.1	6.7	4.1	6.6	4.1	6.6	4.1	6.5	4.0	6.6	4.0	7.1	4.3	8.0	4.9
E	7.8	4.8	7.7	4.7	7.6	4.6	7.5	4.5	7.5	4.5	7.6	4.6	7.5	4.6	7.5	4.5	7.4	4.5	7.5	4.5	8.0	4.8	9.1	5.4
SE	7.8	4.8	7.7	4.7	7.5	4.6	7.5	4.5	7.5	4.5	7.6	4.6	7.5	4.6	7.5	4.5	7.4	4.4	7.4	4.5	7.8	4.7	8.7	5.2
S	7.5	4.6	7.4	4.6	7.2	4.4	7.2	4.4	7.2	4.4	7.2	4.4	7.2	4.4	7.2	4.4	7.1	4.3	7.1	4.3	7.4	4.5	8.0	4.8
SW	7.7	4.8	7.7	4.7	7.5	4.6	7.5	4.5	7.5	4.5	7.5	4.6	7.5	4.5	7.5	4.5	7.4	4.4	7.4	4.5	7.7	4.6	8.2	5.0
W	7.7	4.7	7.6	4.7	7.4	4.5	7.4	4.5	7.4	4.5	7.5	4.5	7.4	4.5	7.4	4.5	7.3	4.4	7.4	4.4	7.6	4.6	8.2	4.9
NW	6.9	4.3	6.8	4.3	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.6	4.1	6.5	4.0	6.5	4.0	6.8	4.2	7.4	4.5
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	10.4	4.2	10.4	4.2	10.4	4.1	10.4	4.1	10.4	4.1	10.4	4.1	10.4	4.1	10.4	4.1	10.3	4.1	10.3	4.1	10.5	4.2	10.8	4.3

Hours 13–24

	13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
W1 - 2cm outer plaster+19 cm Brick+2 cm inner plaster																								
N	7.2	4.5	7.6	4.8	8.0	5.1	8.1	5.2	8.2	5.2	8.2	5.2	8.2	5.2	8.0	5.1	7.8	5.0	7.4	4.8	7.2	4.6	6.6	4.3
NE	9.1	5.5	9.2	5.6	9.3	5.7	9.0	5.6	9.0	5.6	9.0	5.6	9.0	5.6	8.8	5.5	8.6	5.4	8.2	5.2	7.7	4.9	7.2	4.6
E	10.4	6.2	10.7	6.4	11.0	6.6	11.1	6.7	10.3	6.3	9.9	6.1	9.9	6.1	9.7	6.0	9.5	5.8	9.1	5.6	8.6	5.3	8.2	5.1
SE	9.9	5.9	10.4	6.2	11.0	6.6	11.5	6.9	11.1	6.7	10.4	6.3	9.9	6.0	9.7	6.0	9.5	5.8	9.1	5.6	8.6	5.3	8.1	5.1
S	8.5	5.2	9.2	5.6	9.9	6.0	10.6	6.4	10.8	6.5	10.7	6.5	10.4	6.3	9.9	6.1	9.3	5.8	8.8	5.5	8.3	5.2	7.8	4.9
SW	8.8	5.3	9.2	5.6	9.6	5.9	9.7	6.0	10.4	6.3	11.0	6.6	11.2	6.7	11.0	6.6	10.4	6.3	10.0	6.1	9.3	5.7	8.2	5.1
W	8.7	5.3	9.1	5.6	9.5	5.8	9.7	6.0	9.8	6.0	10.2	6.2	10.8	6.5	10.9	6.6	10.6	6.4	10.3	6.2	9.7	5.9	8.3	5.1
NW	7.9	4.9	8.3	5.2	8.7	5.4	8.9	5.6	9.0	5.6	9.0	5.6	9.0	5.6	9.3	5.8	9.3	5.7	9.1	5.6	8.7	5.4	7.5	4.7
W2 - 2cm outer plaster+20 cm Ytong+2 cm inner plaster																								
N	6.8	4.3	7.0	4.4	7.1	4.5	7.2	4.6	7.2	4.6	7.3	4.6	7.3	4.6	7.3	4.6	7.2	4.6	7.1	4.6	7.0	4.5	6.9	4.4
NE	7.8	4.8	8.2	5.0	8.2	5.1	8.2	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.1	5.1	8.1	5.0	8.0	5.0	7.9	4.9	7.7	4.8
E	8.9	5.4	9.3	5.6	9.4	5.7	9.5	5.7	9.5	5.8	9.3	5.6	9.2	5.6	9.1	5.6	9.1	5.5	9.0	5.5	8.9	5.4	8.7	5.3
SE	8.8	5.3	9.2	5.5	9.3	5.6	9.5	5.7	9.7	5.8	9.5	5.8	9.3	5.7	9.1	5.6	9.1	5.5	9.0	5.5	8.9	5.4	8.7	5.3
S	8.3	5.0	8.4	5.2	8.7	5.3	8.9	5.4	9.1	5.6	9.2	5.6	9.2	5.6	9.1	5.5	8.9	5.4	8.7	5.3	8.5	5.2	8.4	5.2
SW	8.6	5.2	8.8	5.3	8.9	5.4	9.0	5.5	9.1	5.5	9.3	5.6	9.5	5.7	9.5	5.8	9.5	5.7	9.3	5.6	9.1	5.5	8.9	5.4
W	8.5	5.2	8.7	5.3	8.8	5.4	8.9	5.4	9.0	5.5	9.0	5.5	9.2	5.6	9.3	5.7	9.4	5.7	9.3	5.6	9.2	5.6	9.0	5.5
NW	7.6	4.7	7.8	4.8	7.9	4.9	8.0	5.0	8.1	5.0	8.1	5.1	8.1	5.1	8.1	5.1	8.2	5.1	8.2	5.1	8.2	5.1	8.0	5.0
W3 - 2cm outer plaster+20 cm blokbims+2 cm inner plaster																								
N	6.8	4.3	7.0	4.4	7.2	4.5	7.3	4.7	7.4	4.7	7.4	4.7	7.5	4.7	7.4	4.7	7.4	4.7	7.3	4.6	7.1	4.5	7.0	4.5
NE	7.9	4.8	8.3	5.1	8.4	5.2	8.4	5.2	8.3	5.2	8.3	5.2	8.3	5.2	8.3	5.1	8.2	5.1	8.1	5.1	7.9	5.0	7.7	4.8
E	8.9	5.4	9.5	5.7	9.6	5.8	9.8	5.9	9.8	5.9	9.5	5.8	9.3	5.7	9.3	5.6	9.2	5.6	9.1	5.6	8.9	5.5	8.7	5.3
SE	8.8	5.3	9.3	5.6	9.5	5.7	9.7	5.9	10.0	6.0	9.8	5.9	9.5	5.8	9.3	5.6	9.2	5.6	9.1	5.6	8.9	5.5	8.7	5.3
S	8.2	5.0	8.5	5.2	8.8	5.3	9.1	5.5	9.4	5.7	9.5	5.8	9.4	5.7	9.3	5.7	9.1	5.5	8.8	5.4	8.6	5.3	8.4	5.2
SW	8.5	5.2	8.8	5.3	9.0	5.4	9.1	5.6	9.2	5.6	9.5	5.8	9.7	5.9	9.8	5.9	9.7	5.9	9.5	5.7	9.3	5.6	9.0	5.5
W	8.4	5.1	8.7	5.3	8.9	5.4	9.0	5.5	9.1	5.6	9.1	5.6	9.3	5.7	9.6	5.8	9.6	5.8	9.5	5.8	9.4	5.7	9.1	5.5
NW	7.6	4.7	7.8	4.8	8.0	5.0	8.2	5.1	8.2	5.1	8.3	5.2	8.3	5.2	8.3	5.2	8.4	5.2	8.4	5.2	8.3	5.2	8.2	5.0
W4 - 2cm outer plaster+8.5 cm Brick+3 cm XPS+8.5 cm Brick+2 cm inner plaster																								
N	7.2	4.5	7.6	4.8	8.0	5.1	8.1	5.2	8.2	5.2	8.2	5.2	8.2	5.2	8.0	5.1	7.8	5.0	7.4	4.8	7.2	4.6	6.6	4.3
NE	9.1	5.5	9.2	5.6	9.3	5.7	9.0	5.6	9.0	5.6	9.0	5.6	9.0	5.6	8.8	5.5	8.6	5.4	8.2	5.2	7.7	4.9	7.2	4.6
E	10.4	6.2	10.7	6.4	11.0	6.6	11.1	6.7	10.3	6.3	9.9	6.1	9.9	6.1	9.7	6.0	9.5	5.8	9.1	5.6	8.6	5.3	8.2	5.1
SE	9.9	5.9	10.4	6.2	11.0	6.6	11.5	6.9	11.1	6.7	10.4	6.3	9.9	6.0	9.7	6.0	9.5	5.8	9.1	5.6	8.6	5.3	8.1	5.1
S	8.5	5.2	9.2	5.6	9.9	6.0	10.6	6.4	10.8	6.5	10.7	6.5	10.4	6.3	9.9	6.1	9.3	5.8	8.8	5.5	8.3	5.2	7.8	4.9
SW	8.8	5.3	9.2	5.6	9.6	5.9	9.7	6.0	10.4	6.3	11.0	6.6	11.2	6.7	11.0	6.6	10.4	6.3	10.0	6.1	9.3	5.7	8.2	5.1
W	8.7	5.3	9.1	5.6	9.5	5.8	9.7	6.0	9.8	6.0	10.2	6.2	10.8	6.5	10.9	6.6	10.6	6.4	10.3	6.2	9.7	5.9	8.3	5.1
NW	7.9	4.9	8.3	5.2	8.7	5.4	8.9	5.6	9.0	5.6	9.0	5.6	9.0	5.6	9.3	5.8	9.3	5.7	9.1	5.6	8.7	5.4	7.5	4.7
R1 - 4cm concrete+5 cm XPS+12cm Concrete+2 cm inner plaster																								
R	11.2	4.6	11.4	4.7	11.7	4.9	12.1	5.1	12.2	5.1	12.1	5.1	12.0	5.0	11.7	4.9	11.4	4.8	11.2	4.6	10.9	4.5	10.6	4.3

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CITY: ZONGULDAK (41.27)

TOTAL EQUIVALENT TEMPERATURE DIFFERENCE VALUES

	Hours																																							
	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24	
	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
	W5 - 2cm outer plaster+15 cm Briquet+2 cm inner plaster																																													
N	5.5	3.6	5.3	3.4	5.2	3.3	5.2	3.3	5.3	3.4	5.2	3.3	5.2	3.3	5.1	3.1	5.1	3.2	5.7	3.5	6.7	4.1	7.4	4.6	8.1	5.1	8.7	5.5	8.9	5.7	9.1	5.8	9.1	5.8	9.1	5.8	8.8	5.6	8.4	5.4	7.8	5.1	7.4	4.8	6.4	4.2	5.6	3.7
NE	6.2	3.9	6.0	3.7	5.9	3.6	5.9	3.6	6.0	3.7	5.9	3.7	5.9	3.6	5.7	3.5	5.8	3.5	6.6	4.0	8.2	4.9	9.9	5.9	10.2	6.1	10.3	6.3	9.8	6.1	9.8	6.2	9.8	6.2	9.7	6.1	9.5	6.0	9.1	5.8	8.5	5.4	7.7	4.9	6.9	4.5	6.3	4.0
E	7.0	4.3	6.8	4.1	6.7	4.0	6.7	4.0	6.8	4.1	6.7	4.1	6.7	4.0	6.6	3.9	6.6	3.9	7.5	4.4	9.3	5.4	11.5	6.7	12.0	7.0	12.4	7.4	12.6	7.5	11.3	6.9	10.7	6.6	10.6	6.5	10.3	6.4	9.9	6.2	9.3	5.8	8.5	5.3	7.8	4.9	7.1	4.5
SE	7.0	4.3	6.7	4.1	6.7	4.0	6.7	4.0	6.8	4.1	6.7	4.0	6.6	4.0	6.5	3.9	6.6	3.9	7.2	4.3	8.7	5.1	10.6	6.3	11.5	6.8	12.4	7.4	13.3	7.9	12.5	7.5	11.5	7.0	10.5	6.5	10.3	6.4	9.9	6.1	9.2	5.8	8.5	5.3	7.7	4.9	7.1	4.4
S	6.7	4.2	6.5	4.0	6.4	3.9	6.4	3.9	6.5	4.0	6.4	3.9	6.4	3.9	6.3	3.8	6.3	3.8	6.8	4.1	7.7	4.6	8.6	5.2	9.7	5.9	10.8	6.6	12.0	7.3	12.4	7.4	12.2	7.4	11.7	7.1	10.9	6.7	9.9	6.2	9.0	5.6	8.2	5.2	7.5	4.7	6.8	4.3
SW	7.0	4.3	6.7	4.1	6.7	4.0	6.7	4.0	6.7	4.1	6.7	4.0	6.6	4.0	6.5	3.9	6.6	3.9	7.0	4.2	7.9	4.8	8.8	5.3	9.5	5.8	10.2	6.2	10.4	6.4	11.5	7.0	12.4	7.4	12.7	7.6	12.4	7.4	11.5	7.0	10.8	6.5	9.6	5.9	7.9	5.0	7.1	4.4
W	6.9	4.3	6.7	4.1	6.6	4.0	6.6	4.0	6.7	4.1	6.6	4.0	6.6	4.0	6.5	3.8	6.5	3.9	7.0	4.2	7.8	4.7	8.7	5.3	9.5	5.8	10.1	6.2	10.3	6.4	10.5	6.5	11.2	6.8	12.1	7.3	12.4	7.4	11.8	7.1	11.4	6.8	10.4	6.3	8.1	5.0	7.0	4.4
NW	6.2	3.9	5.9	3.7	5.9	3.6	5.9	3.6	6.0	3.7	5.9	3.7	5.9	3.6	5.7	3.5	5.8	3.5	6.3	3.8	7.1	4.4	8.0	4.9	8.7	5.4	9.4	5.8	9.6	6.1	9.8	6.1	9.8	6.2	9.9	6.2	10.4	6.4	10.3	6.3	10.1	6.2	9.4	5.7	7.3	4.7	6.3	4.0
	W6 - 3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																												
N	6.9	4.4	6.8	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.2	6.7	4.2	6.7	4.3	6.8	4.3	6.9	4.4	7.0	4.4	7.0	4.5	7.0	4.5	7.1	4.5	7.1	4.5	7.1	4.5	7.0	4.5	7.0	4.5	6.9	4.4
NE	7.7	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.7	7.6	4.7	7.8	4.8	7.9	4.9	8.0	4.9	8.0	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.9
E	8.8	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.2	8.8	5.3	9.1	5.5	9.1	5.5	9.1	5.5	9.2	5.5	9.0	5.5	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.8	5.4
SE	8.8	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.8	5.3	9.0	5.4	9.1	5.5	9.1	5.5	9.2	5.6	9.2	5.5	9.1	5.5	9.0	5.4	8.9	5.4	8.9	5.4	8.8	5.4
S	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.2	5.0	8.3	5.0	8.3	5.1	8.4	5.2	8.5	5.2	8.7	5.3	8.8	5.3	8.8	5.4	8.8	5.4	8.7	5.3	8.7	5.3	8.6	5.2	8.5	5.2
SW	8.8	5.4	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.2	8.6	5.2	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.2	8.7	5.3	8.8	5.3	8.8	5.4	8.9	5.4	8.9	5.4	9.0	5.5	9.1	5.5	9.1	5.5	9.0	5.5	8.9	5.4
W	8.8	5.4	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.5	5.1	8.4	5.1	8.5	5.1	8.5	5.2	8.6	5.2	8.7	5.3	8.7	5.3	8.8	5.4	8.8	5.4	8.8	5.4	8.9	5.4	9.0	5.5	9.0	5.5	9.0	5.4	8.9	5.4
NW	7.9	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.7	7.6	4.7	7.6	4.7	7.5	4.7	7.5	4.7	7.5	4.7	7.6	4.7	7.7	4.8	7.8	4.8	7.8	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	8.0	5.0	8.0	4.9	7.9	4.9
	W7 - 2cm outer plaster+13.5 cm Brick+2.5 cm EPS+13.5 cm Brick+2 cm inner plaster																																												
N	6.7	4.3	6.5	4.2	6.4	4.1	6.4	4.1	6.4	4.0	6.4	4.0	6.4	4.1	6.4	4.0	6.3	4.0	6.3	4.0	6.3	4.0	6.5	4.1	6.8	4.3	7.0	4.4	7.2	4.6	7.4	4.7	7.5	4.8	7.5	4.8	7.5	4.8	7.5	4.8	7.4	4.7	7.3	4.7	7.1	4.6	7.0	4.5
NE	7.5	4.7	7.3	4.6	7.3	4.5	7.2	4.5	7.2	4.5	7.2	4.4	7.2	4.5	7.2	4.5	7.2	4.4	7.1	4.4	7.2	4.4	7.4	4.6	7.9	4.8	8.4	5.1	8.4	5.2	8.5	5.2	8.3	5.2	8.3	5.2	8.4	5.2	8.3	5.2	8.2	5.1	8.1	5.1	7.9	5.0	7.7	4.8
E	8.5	5.2	8.3	5.1	8.3	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.2	5.0	8.2	5.0	8.2	4.9	8.1	4.9	8.2	4.9	8.4	5.1	8.9	5.4	9.6	5.7	9.7	5.8	9.9	5.9	9.9	6.0	9.5	5.8	9.3	5.7	9.3	5.7	9.2	5.6	9.1	5.6	8.9	5.5	8.7	5.3
SE	8.5	5.2	8.3	5.1	8.3	5.0	8.2	5.0	8.2	4.9	8.2	4.9	8.2	5.0	8.2	5.0	8.2	4.9	8.1	4.9	8.1	4.9	8.3	5.0	8.8	5.3	9.3	5.6	9.6	5.8	9.9	5.9	10.1	6.1	9.9	6.0	9.6	5.8	9.3	5.7	9.2	5.6	9.1	5.6	8.9	5.5	8.7	5.3
S	8.1	5.0	8.0	4.9	7.9	4.9	7.8	4.8	7.8	4.8	7.8	4.8	7.9	4.8	7.8	4.8	7.8	4.8	7.8	4.7	7.8	4.7	7.9	4.8	8.2	5.0	8.5	5.2	8.8	5.4	9.1	5.6	9.5	5.8	9.6	5.8	9.5	5.8	9.4	5.7	9.2	5.6	8.9	5.5	8.6	5.3	8.4	5.2
SW	8.5	5.2	8.3	5.0	8.2	5.0	8.2	4.9	8.1	4.9	8.1	4.9	8.2	5.0	8.1	4.9	8.1	4.9	8.1	4.9	8.1	4.9	8.2	5.0	8.5	5.1	8.8	5.3	9.0	5.5	9.2	5.6	9.2	5.6	9.6	5.8	9.8	5.9	9.9	6.0	9.8	5.9	9.6	5.8	9.3	5.7	9.0	5.5
W	8.5	5.2	8.2	5.0	8.1	5.0	8.1	4.9	8.0	4.9	8.0	4.9	8.1	4.9	8.1	4.9	8.0	4.9	8.0	4.8	8.0	4.9	8.2	4.9	8.4	5.1	8.7	5.3	8.9	5.4	9.1	5.5	9.2	5.6	9.2	5.6	9.4	5.7	9.7	5.9	9.8	5.9	9.6	5.8	9.5	5.7	9.2	5.6
NW	7.6	4.8	7.3	4.6	7.3	4.5	7.2	4.5	7.2	4.4	7.2	4.4	7.2	4.5	7.2	4.5	7.2	4.4	7.1	4.4	7.2	4.4	7.3	4.5	7.5	4.7	7.8	4.8	8.0	5.0	8.2	5.1	8.3	5.2	8.3	5.2	8.3	5.2	8.4	5.2	8.5	5.3	8.5	5.3	8.4	5.2	8.2	5.1
	W8 - siding+3 cm XPS+2 cm outer plaster+19 cm Brick+2 cm inner plaster																																												
N	6.9	4.4	6.8	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.7	4.3	6.8	4.3	6.8	4.3	6.9	4.4	6.9	4.4	7.0	4.4	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.5	7.0	4.4	6.9	4.4
NE	7.7	4.8	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.8	4.8	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.8	4.8
E	8.8	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.3	8.8	5.3	9.0	5.4	9.0	5.5	9.1	5.5	9.1	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.4
SE	8.8	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.3	8.8	5.3	8.9	5.4	9.0	5.4	9.1	5.5	9.1	5.5	9.1	5.5	9.0	5.5	8.9	5.4	8.9	5.4	8.9	5.4	8.8	5.4
S	8.4	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.1	8.3	5.0	8.3	5.0	8.3	5.1	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.0	8.3	5.1	8.4	5.1	8.4	5.2	8.5	5.2	8.6	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.7	5.3	8.6	5.3	8.5	5.2	8.5	5.2
SW	8.8	5.4	8.7	5.3	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.6	5.2	8.7	5.3	8.8	5.3	8.8	5.3	8.9	5.4	8.9	5.4	9.0	5.4	9.0	5.5	9.1	5.5	9.0	5.5	9.0	5.4	8.9	5.4	8.9	5.4
W	8.8	5.3	8.6	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.5	5.2	8.6	5.2	8.7	5.3	8.7	5.3	8.8	5.3	8.8	5.4	8.8	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4	8.9	5.4
NW	7.9	4.9	7.7	4.8	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.6	4.7	7.7	4.8	7.7	4.8	7.8	4.8	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9	7.9	4.9
	R2 - 12cm Concrete+2 cm plaster																																												
R	3.7	0.3	3.7	0.3	3.9	0.5	3.7	0.4	3.6	0.3	3.4	0.0	3.5	0.1	5.1	1.0	8.5	2.9	13.0	5.5	16.3	7.4	19.8	9.4	24.2	11.8	24.9	12.1	24.2	11.7	22.6	10.9	19.9	9.5	16.4	7.8	13.5	6.2	10.1	4.3	6.5	2.4	4.6	1.2	4.3	0.9	3.8	0.5

D:DARK-COLOR SURFACE, L:LIGHT-COLOR SURFACE

CURRICULUM VITAE

PERSONAL INFORMATION

Surname, Name: KAŞKA Önder
Nationality: Turkish (TC)
Date and Place of Birth: 20 April 1975 , ADANA
Marital Status: Married
Phone: +90 342 317 2536
Fax: +90 342 317 11 04
email: kaska@gantep.edu.tr

EDUCATION

Degree	Institution	Year of Graduation
MS	Natural & Applied Science	2002
BS	Mechanical Engineering	1999
High School	Adana Technical High School	1993

WORK EXPERIENCE

Year	Place	Enrollment
1999- Present	Gaziantap University	Research Assistant

FOREIGN LANGUAGES : English

PUBLICATIONS

1. Recep Yumrutaş and Önder Kaşka, 2004. Experimental investigation of thermal performance of a solar assisted heat pump system with an energy storage", International Journal of Energy Research, 28:163–175.

2. Recep Yumrutas, Mehmet Hakkı Alma, Hakan Özcan, Önder Kaşka Investigation of purified sulfate turpentine on engine performance and exhaust emission ,Fuel 87 (2008), 252–259

3. Yumrutaş R., Kaşka Ö. and Yıldırım E. Estimation of Total equivalent temperature difference values for multilayer walls and flat roofs by using periodic solution. Building and Environment, 2007, 42(5), 1878-1885.

4. Ö. Kaşka and R. Yumrutaş**,** Comparison of experimental and theoretical results for the transient heat flow through multilayer walls and flat roofs, Energy, (article in press)

5. Önder Kaşka, Recep Yumrutaş, and Orhan Arpa, Comparison of experimental and theoretical results for time lag, decrement factor and total equvalent temperature difference values of multilayer walls and flat roofs, Applied Energy (article in press)

International Symposium

1. Recep Yumrutaş, Önder Kaşka and Melda Özdinç Çarpınlıoğlu. 2003. An experimental study on a solar assisted heat pump system with an energy storage. Proceedings of the First International Exergy, Energy and Environment Symposium 13-17 July, pp.575-580 Izmir, Turkey

2. Recep YUMRUTAŞ, Erdal YILDIRIM and Önder KAŞKA, "Estimation of total equvalent temperature difference values by using periodic solution of transient heat transfer problem". *Proceedings of the 1st International Symposium and Exhibition on Environment-Friendly Energy Sources and Technologies*, September 5-7, İzmir-TURKEY, 2005.
3. Önder Kaşka ve Recep Yumrutaş, Konut yapımında yaygın olarak kullanılan duvar ve tavan tipleri için toplam eşdeğer sıcaklık farklarının deneysel olarak eldesi, VIII. Uluslararası Yapıda Tesisat Teknolojisi Sempozyumu, 12–14 Mayıs, İstanbul, 2008
4. Recep YUMRUTAŞ, Hakkı ALMA, Hakan ÖZCAN and Önder KAŞKA, Effects of Turpentine On Engine Performance And Exhaust Emission,1st International Symposium and Exhibition on Environment-Friendly Energy Sources and Technologies

National Symposium

5. Recep. Yumrutaş, Önder Kaşka ve Murtaza Yıldırım Güneş enerjisi depolamalı ve ısı pompası destekli ısıtma sistemi veriminin deneysel incelenmesi, IV. Ulusal Temiz Enerji, İstanbul, Türkiye, Ekim 16-18, 2002.

PROJECTS

1. Experimental investigation of thermal performance of a solar assisted heat pump system with an energy storage, Gaziantep Üniversitesi Araştırma Fonu Projesi,MF.01.01.

2. Kuyu suyu kaynaklı ısı pompası ile mahal ısıtma ve soğutma sistemi performansının deneysel incelenmesi Gaziantep Üniversitesi Araştırma Fonu Projesi MF.06.05

3. Türkiye'deki Bütün İller İçin Bina Yapımında Yaygın Olarak Kullanılan Tavan ve Duvarlara Ait Toplam Eşdeğer Sıcaklık Farklarının Elde Edilmesi TÜBİTAK Projesi **Proje No:** 106M315

HOBBIES

Reading, Fishing