

| Product Name:  |  | STONE WOOL ROOF MATTRESS |                    |                   |                                 |
|--|--|--------------------------|--------------------|-------------------|---------------------------------|
| TECHNICAL CHARACTERISTICS                                | SYMBOL   | UNIT                     | TOLERANCES         | TS EN 13162       | TECHNICAL METHOD<br>TS EN 14303 |
| Density  | d  | kg/m <sup>3</sup>        | (+,-)% 10          | 50                | TS EN 1602                      |
| Length   | l  | mm                       | (+,-) %2           | 3000              | TS EN 822                       |
| Width  | b  | mm                       | (+,-) %1,5         | 1200              | TS EN 822                       |
| Determination of Dimensional Stability                   | DS (T+)  | mm                       | %                  | <1                | TS EN 1604                      |
| Thickness  | d <sub>N</sub>   | mm                       | (- 5, + )          | 140               | TS EN 823                       |
| <b>Thermal Conductivity</b>                              |  |                          |                    |                   |                                 |
| Average Thermal Conductivity Value (50 C <sup>0</sup> )  | λ <sub>ort</sub>   | W/mK                     | 50 C <sup>0</sup>  | 0,038             | TS EN 12667- EN ISO8497         |
| Average Thermal Conductivity Value (100 C <sup>0</sup> ) | λ <sub>ort</sub>   | W/mK                     | 100 C <sup>0</sup> | 0,049             | TS EN 12667- EN ISO8497         |
| Average Thermal Conductivity Value (150 C <sup>0</sup> ) | λ <sub>ort</sub>   | W/mK                     | 150 C <sup>0</sup> | 0,058             | TS EN 12667- EN ISO8497         |
| Average Thermal Conductivity Value (200 C <sup>0</sup> ) | λ <sub>ort</sub>   | W/mK                     | 200 C <sup>0</sup> | 0,068             | TS EN 12667- EN ISO8497         |
| Average Thermal Conductivity Value (250 C <sup>0</sup> ) | λ <sub>ort</sub>   | W/mK                     | 250 C <sup>0</sup> | 0,083             | TS EN 12667- EN ISO8497         |
| Average Thermal Conductivity Value (300 C <sup>0</sup> ) | λ <sub>ort</sub>   | W/mK                     | 300 C <sup>0</sup> | 0,097             | TS EN 12667- EN ISO8497         |
| Average Thermal Conductivity Value (350 C <sup>0</sup> ) | λ <sub>ort</sub>   | W/mK                     | 350 C <sup>0</sup> | 0,115             | TS EN 12667- EN ISO8497         |
| Reaction to fire   | Euroclass  |                          |                    | A1                | TS EN 13501-1                   |
| Max. Usage Temperature                                   |  |                          |                    | Max. 760          |                                 |
| Melting Point  |  | °C                       |                    | Max. 1000         | DIN 4102                        |
| Water Vapor Diffusion Resistance Coefficient             | μ  |                          | 1                  | 1                 | TS EN 12086                     |
| Short Term Water Absorption                              | W <sub>P</sub>   | kg/m <sup>2</sup>        | < 1                | < 1               | TS EN 1609                      |
| Long Term Water Absorption                               | W <sub>LP</sub>  | kg/m <sup>2</sup>        | < 3                | < 3               | TS EN 12087                     |
| Corrosive metarial content                               | mg/kg  |                          |                    | clorür:20 / pH:10 | EN13468                         |
| Air flow resistance                                      | NPD  |                          |                    |                   | EN29053                         |
| Certificates   | CE ( SERT.NO:1020-CPD-010028090) ,ISO 9001,ISO 14001,ISO 18001,ISO 50001 |                          |                    |                   |                                 |
| Product Key  | MW-TS EN 13162-T5-DS(T+)   |                          |                    |                   |                                 |
| Facing   | No facing  |                          |                    |                   |                                 |

**STORAGE**

*\*Care should be taken to avoid rain and water.*

*\*It should be stored indoors and away from moisture.*

*\*To avoid the deformation of packages, one person should not carry it.*

*\*During transportation, products should be covered with tarpaulin.*

*\*They should be arranged horizontally.*

*\*Proper stacking should be done in order not to break the corners of the packages.*

*\*Packages should not be exited.*

*All experiments have been carried out by TEKNOVASYON laboratory which is accredited by TÜRKAK.*