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| Product Name: | STONE WOOL BOARD |
| Standard: | TS EN 13162+A1 <i>Thermal insulation products for buildings - Factory made mineral wool (MW) products</i> |
| Description: | <i>Mineral wool - Thermal insulation material formed by melting of basalt stone at 1350°C-1400°C into fiber -For thermal, sound and fire insulation</i> |
| Areas of Usage: | <i>Used for thermal, sound and fire insulation for partition walls.</i> |

| PROPERTIES | SYMBOL | UNIT | TOLERANCES | VALUE | STANDARD |
|----------------------------------------------|---------------------------------------------------------------------------|--------------------|------------|------------|---------------|
| Material | MW | | | | TS EN 13162 |
| Density | d | kg/m ³ | (+,-)% 10 | 110 | TS EN 1602 |
| Length | l | mm | (+,-) %2 | 1200 | TS EN 822 |
| Width | b | mm | (+,-) %1,5 | 600 | TS EN 822 |
| Determination of Squareness | Sb | mm | Max 5mm | 2 mm | TS EN 824 |
| Determination of Flatness | S _{max.} | mm | Max 3mm | 1,8 mm | TS EN 825 |
| Determination of Dimensional Stability | DS (T+) | mm | % | <1 | TS EN 1604 |
| Compressive Strength (%10 deformation) | CS(10/Y) | kPa | | ≥30 | TS EN 826 |
| Tensile Strength | Σt | kPa | | ≥7,5 | TS EN 1607 |
| Thickness | d _N | mm | (- 1, +3) | 70 | TS EN 823 |
| Declared Thermal Conductivity (10 °C) | λ _{ort} | W/mK | | max. 0,035 | TS EN 12667 |
| Reaction to fire | | | | A1 | TS EN 13501-1 |
| Thermal Resistance | RD | m ² K/W | | 2,00 | TS EN 13162 |
| Max. Operating Temperature | | °C | | 760 | |
| Melting point | | °C | | >1000 | DIN 4102 |
| Water Vapor Diffusion Resistance Coefficient | μ | | 1 | 1 | TS EN 12086 |
| Short Term Water Absorption | W _P | kg/m ² | < 1 | < 1 | TS EN 1609 |
| Long Term Water Absorption | W _{IP} | kg/m ² | < 3 | < 3 | TS EN 12087 |
| 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 | Black/yellow glass tissue, aluminum foil, craft facing | | | | |

STORAGE

Product packages should be placed on at least one pallet which should not be in direct contact with the ground at storage area.

Product packages should be protected from water, moisture and sunlight in the storage area.

Appropriate work safety clothing and equipment must be used to protect the skin, eye and upper respiratory system during transport.

Products must be covered with a tarpaulin when shipped.

Do not leave any material on the products in such a way as to damage the package and the product.

Palletized products should not be stacked and stored on top of each other.

The opened packages must not be disposed of and must be disposed of in accordance with the regulations.

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