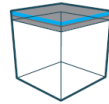


## SmartRoof TOP

March 2021



### APPLICATIONS



### PRODUCT DESCRIPTION

#### Insulation slab for flat roofs

SmartRoof TOP is a compact rock mineral wool slab of equally distributed density across its slab thickness. It belongs to the group of very hard products. The product is non-combustible, resistant to high temperatures, water-repellent, resistant to aging and chemically neutral. The dimensions do not change due to large temperature changes.

### TECHNICAL CHARACTERISTICS

|  |                               |
|--|-------------------------------|
| Declared coefficient of thermal conductivity $\lambda_D$ | 0.038 W/mK                    |
| Reaction to fire   | A1 - non-combustible material |
| Water vapour diffusion resistance factor $\mu$           | ~1                            |
| Tensile strength perpendicular to the faces TR           | >10 kPa                       |
| Compressive Strength (at 10% deformation) CS(10)         | >70 kPa                       |
| Point load $F_p$   | >650 N                        |

### BENEFITS

- Very good thermal insulation properties
- Increased safety in case of fire
- Excellent sound absorption due to dense fibre structure
- Vapour permeable
- Stable and compact material
- Resistance to aging
- Simple and quick installation

DESIGNATION CODE: MW - EN 13162 -A1-T5-CS(10)70-TR10-PL(5)650

### DIMENSIONS AND PACKAGING

| Thickness (mm) | Width (mm) | Length (mm) | pcs / board | m <sup>2</sup> / board | pcs / pallet | m <sup>2</sup> / pallet | R Thermal resistance (m <sup>2</sup> K/W) |
|----------------|------------|-------------|-------------|------------------------|--------------|-------------------------|---|
| 40             | 1200       | 2000        | 1           | 2,40                   | 32           | 76,80                   | 1,05                                      |
| 50             | 1200       | 2000        | 1           | 2,40                   | 26           | 62,40                   | 1,32                                      |
| 60             | 1200       | 2000        | 1           | 2,40                   | 22           | 52,80                   | 1,58                                      |
| 70             | 1200       | 2000        | 1           | 2,40                   | 19           | 45,60                   | 1,84                                      |
| 80             | 1200       | 2000        | 1           | 2,40                   | 16           | 38,40                   | 2,11                                      |
| 90             | 1200       | 2000        | 1           | 2,40                   | 14           | 33,60                   | 2,37                                      |
| 100            | 1200       | 2000        | 1           | 2,40                   | 13           | 31,20                   | 2,63                                      |
| 120            | 1200       | 2000        | 1           | 2,40                   | 11           | 26,40                   | 3,16                                      |
| 150            | 1200       | 2000        | 1           | 2,40                   | 8            | 19,20                   | 3,95                                      |

### CERTIFICATES



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### ADDITIONAL INFORMATION

#### Application

The product is intended for thermal and sound insulation, as well as for fire protection in flat roofs. It is adequate for application under all types of waterproofing foils for walkable and non-walkable roofs - terrace. It can be easily installed on a concrete base and on profiled steel structures.

#### Packaging

The product SmartRoof TOP is delivered in PE heat-shrinking foil. The products must be stored in a dry place, indoors or under roof. In exceptional situations, the packages stored outdoors should be protected by watertight foil. The packages must not be placed directly on the ground.

#### Quality

The product SmartRoof TOP is certified to comply with standard EN 13162 as well as with the EUCEB certificate which ensures that the product is biosoluble and not dangerous for health in accordance with European Directive 97\69\EC.

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