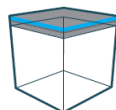


## SmartRoof Thermal 2

April 2021



### APPLICATIONS



### PRODUCT DESCRIPTION

#### Insulation board for flat roofs

SmartRoof Thermal 2 is a compact rock mineral wool slab, consisting of two layers with different densities each. It belongs to the group of very hard products. The product is non-combustible, resistant to high temperatures, resistant to aging and chemically neutral. Its dimensions do not change due to large temperature changes.

### TECHNICAL CHARACTERISTICS

Declared coefficient of thermal conductivity $\lambda_D$	0.036 W/mK
Reaction to fire	A1 - non-combustible material
Short term water absorption $W_p$	$\leq 1 \text{ kg/m}^2$
Long term water absorption $W_{lp}$	$\leq 3 \text{ kg/m}^2$
Tensile strength perpendicular to the faces TR	$> 10 \text{ kPa}$
Compressive Strength (at 10% deformation) CS(10)	$> 50 \text{ kPa}$
Point load $F_p$	$> 550 \text{ N}$
Air flow resistivity	$> 5 \text{ kPa.s/m}^2$

DESIGNATION CODE: MW - EN 13162 -A1-T5-CS(10)50-TR 10-PL(5)550-WS-WL(P)-AF 5

### BENEFITS

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

### 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)
80	1200	2000	1	2,4	16	38,40	2,22
90	1200	2000	1	2,4	14	33,60	2,50
100	1200	2000	1	2,4	13	31,20	2,78
120	1200	2000	1	2,4	11	26,40	3,33
140	1200	2000	1	2,40	9	21,60	3,89
150	1200	2000	1	2,40	8	19,20	4,17
160	1200	2000	1	2,40	8	19,20	4,44

### 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 - terraces. It is easily installed on a concrete base and on profiled steel structures. During installation the marked side of each board must be facing upwards.

#### Packaging

The product SmartRoof Thermal 2 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 Thermal 2 is certified to comply with standard EN 13162 as well as with the EUCB 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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