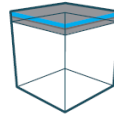


Smart Roof Thermal

April 2020



APPLICATIONS



PRODUCT DESCRIPTION

Insulation slab for flat roofs

Smart Roof Thermal is a compact rock mineral wool slab of stable density equally distributed across the slab thickness. 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 λ_D	0.036 W/mK
Reaction to fire	A1 - non-combustible material
Water vapour diffusion resistance factor μ	~1
Short term water absorption W_p	$\leq 1 \text{ kg/m}^2$
Long term water absorption W_{pL}	$\leq 3 \text{ kg/m}^2$
Tensile strength perpendicular to the faces TR	$> 10 \text{ kPa}$
Compressive Strength (at 10% deformation) CS(10)	$> 50 \text{ kPa}$
Point load F_p	$> 500 \text{ N}$

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-DS(T+)-DS(TH)-CS(10)50-TR 10-PL(5)500-WS-WL(P)-MU1-AF 5

DIMENSIONS AND PACKAGING

Thickness (mm)	Width (mm)	Length (mm)	pcs / pallet	m ² / pallet	m ³ / pallet	R Thermal resistance (m ² K/W)
40	1200	2000	32	76,80	3,07	1,11
50	1200	2000	26	62,40	3,12	1,39
60	1200	2000	22	52,80	3,17	1,67
70	1200	2000	19	45,60	3,19	1,94
80	1200	2000	16	38,40	3,07	2,22
90	1200	2000	14	33,60	3,02	2,50
100	1200	2000	13	31,20	3,12	2,78
120	1200	2000	11	26,40	3,17	3,33

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 is easily installed on a concrete base and on profiled steel structures.

Packaging

The product Smart Roof Thermal 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 Smart Roof Thermal 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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