

NaturBoard TF

March 2021



APPLICATIONS



PRODUCT DESCRIPTION

Multifunctional insulation slab

NaturBoard TF is a compact rock mineral wool slab of stable density and belongs to the group of hard products. The product is non-combustible, resistant to high temperatures, water-repellent, resistant to aging and chemically neutral.

TECHNICAL CHARACTERISTICS

Declared coefficient of thermal conductivity λ_D	0.035 W/mK
Reaction to fire	A1 - non-combustible material
Water vapour diffusion resistance factor μ	~1
Air flow resistance AFR	>5 kPa·s/m ²
Short term water absorption W_p	≤1 kg/m ²
Long term water absorption W_{lp}	≤3 kg/m ²

BENEFITS

- Excellent thermal insulation properties
- Excellent sound absorption
- Increased safety in case of fire
- No distortion or sinking of insulation material
- Resistance to aging
- The material meets health, safety and environmental requirements

DESIGNATION CODE: MW - EN 13162 - A1-T5-WS-WL(P)-AF 5

DIMENSIONS AND PACKAGING

Thickness (mm)	Width (mm)	Length (mm)	pcs / packaging	m ² / packaging	packages / pallet	m ² / pallet	R Thermal resistance (m ² K/W)
30	600	1000	10	6,0	16	96,00	0,86
40	600	1000	8	4,8	14	67,20	1,14
50	600	1000	6	3,60	16	57,60	1,43
60	600	1000	5	3,00	16	48,00	1,71
70	600	1000	5	3,00	16	48,00	2,00
80	600	1000	4	2,40	16	38,40	2,29
90	600	1000	4	2,40	16	38,40	2,57
100	600	1000	3	1,80	16	28,80	2,86
120	600	1000	3	1,80	16	28,80	3,43

CERTIFICATES



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ADDITIONAL INFORMATION

Application

The product is intended for thermal and sound insulation, as well as for fire protection of different construction elements where a higher degree of fire resistance is required.

Packaging

The product NaturBoard TF 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

NaturBoard TF 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. Due to ECOSE Technology naturally based binder, it also possesses Eurofins Indoor Air Comfort Gold Certificate, regarding indoor Environmental Quality and Low-Emitting Materials.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology® contain no dye or artificial colors.

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