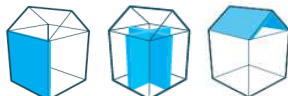


TPM 135

April 2020



APPLICATIONS



PRODUCT DESCRIPTION

Insulation boards of Natural Mineral Wool with **ECOSE® Technology for external walls**
TPM 135 is a self-supporting natural mineral wool board offering high thermal performance for various applications, including wall linings of external walls, sandwich walls, drywall systems and ventilated façades.

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

Very good thermal insulation properties
Excellent fire resistance - Euroclass A1, non combustible
High sound absorption
Ease of application
Rigidity and mechanical strength
Simple and easy handling

DESIGNATION CODE: MW - EN 13162 - T4 - 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)	
50	600	1250	12	9	24	216	1,43	
100	600	1250	6	4,5	24	108	2,85	**
120	600	1250	5	3,75	24	90	3,40	**

**Upon request we have the ability to provide equivalent materials under alternative trade names.

CERTIFICATES



challenge.
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ADDITIONAL INFORMATION

Application

The product is intended for thermal and sound insulation, as well as for fire protection of external walls and drywall systems. TPM 135 can also be used in various types of sandwich walls and can be easily installed in ventilated façade systems. Its water repellent and flexible nature allows a continuous insulation application and provides maximum insulation performance.

Packaging

The product TPM 135 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

TPM 135 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 colours.

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