

TP 116

April 2020



APPLICATIONS



PRODUCT DESCRIPTION

Insulation boards of Natural Mineral Wool with **ECOSE® Technology for drywall systems**
TP 116 is a semi-rigid, self-supporting natural mineral wool board providing thermal insulation, sound insulation and fire protection for roofs, ceilings and drywall applications.

TECHNICAL CHARACTERISTICS

Declared coefficient of thermal conductivity λ_D	0.037 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

DESIGNATION CODE: MW - EN 13162 - T4 - WS - WL(P) - AF 5

BENEFITS

Thermal insulation
Excellent fire resistance - Euroclass A1, non combustible
Sound insulation
Economical
Ease in application
Self-supporting boards
Saves space

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)	
45	600	1350	16	12,96	24	311,04	1,22	
50	600	1350	16	12,96	24	311,04	1,35	
60	600	1350	12	9,72	24	233,28	1,62	**
75	600	1350	10	8,1	24	194,4	2,03	
100	600	1350	8	6,48	24	155,52	2,70	**
120	600	1350	6	4,86	24	116,64	3,24	**
150	600	1350	5	4,05	24	97,2	4,05	**

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

CERTIFICATES



challenge.
create.
care.

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ADDITIONAL INFORMATION

Application

The product is intended for thermal and sound insulation, as well as for fire protection of roofs and drywall systems in external walls, partition walls and ceilings. It is ideal for new buildings as well as for renovation works. Can also be used in various types of sandwich walls.

Packaging

The product TP 116 is delivered in PE heat-shrinking foil. 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

TP 116 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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