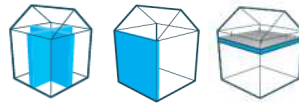


Ultracoustic P

April 2020



APPLICATIONS



PRODUCT DESCRIPTION

High performance sound insulation boards of Natural Mineral Wool with ECOSE® Technology. Ultracoustic P is a semi-rigid, self-supporting natural mineral wool board offering high sound absorption in special drywall and suspended ceiling 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

BENEFITS

Excellent sound absorption
Excellent fire resistance - Euroclass A1, non combustible
Special thicknesses to fit different drywall designs
Self-supporting boards
Ease in application
Performance to fire according to the specifications of the plasterboard producers

DESIGNATION CODE: MW - EN 13162 - T4 - 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	1350	20	16,2	20	324	0,81	**
45	600	1200	16	11,52	20	230,4	1,22	
60	600	1350	12	9,72	20	194,4	1,62	**
70	600	1200	14	10,08	20	201,6	1,89	
80	600	1200	10	7,2	20	144	2,16	**
100	600	1350	8	6,48	24	155,2	2,70	**

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

CERTIFICATES



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ADDITIONAL INFORMATION

Application

The product is optimized for applications with high sound absorption requirements. Its typical purpose is sound insulation for partition walls with steel construction. Ultracoustic P provides also insulation for walls with given fire resistance requirements as it is a non combustible material, classified A1 as per EN 13501-1. In addition, slabs could be used for horizontal constructions, ventilated facades and ceilings as well.

Packaging

The product Ultracoustic P 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

Ultracoustic P 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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