

Ultracoustic

April 2020



APPLICATIONS



PRODUCT DESCRIPTION

High performance sound insulation rolls of Natural Mineral Wool with ECOSE® Technology. Ultracoustic is a natural mineral wool roll 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

High noise absorption capacity
Excellent fire resistance - Euroclass A1, non combustible
Special thicknesses to fit different dry wall designs
Rigidity and mechanical strength
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 / roll	m ² / roll	Rolls / pallet	m ² / pallet	R Thermal resistance (m ² K/W)	
30	600	9500	4	22,8	24	547,2	0,81	**
45	600	8000	2	19,2	24	460,8	1,22	
60	600	6000	2	14,4	24	345,6	1,62	**
70	600	5250	2	12,6	24	302,4	1,89	**
100	600	3750	2	9	24	216	2,70	**

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

CERTIFICATES



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care.

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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 and suspended ceilings. Ultracoustic provides also insulation for systems with given fire resistance requirements as it is a non combustible material, classified A1 as per EN 13501-1. It can be installed in a single layer and is simple and fast in application.

Packaging

The product Ultracoustic 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 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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