



### APPLICATIONS



### PRODUCT DESCRIPTION

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

### TECHNICAL CHARACTERISTICS

Declared coefficient of thermal conductivity $\lambda_D$	0.037 W/mK
Reaction to fire	A1 - non-combustible material
Thickness tolerance	T4
Air flow resistance AFR	>5 kPa·s/m <sup>2</sup>
Declaration of Performance - DoP	<a href="http://www.dopki.com/G4222JPCPR">www.dopki.com/G4222JPCPR</a>

### BENEFITS

- Excellent sound absorption
- Excellent fire resistance - Euroclass A1, non combustible
- Special thicknesses to fit different drywall designs
- Self-supporting boards
- Ease in application
- Excellent sustainability credentials
- Ideal for LEED, WELL, BREEAM, DGNB projects

DESIGNATION CODE: MW - EN 13162 - T4 - AFR5

### DIMENSIONS AND PACKAGING

Thickness (mm)	Width (mm)	Length (mm)	pcs / packaging	m <sup>2</sup> / packaging	packages / pallet	m <sup>2</sup> / pallet	R Thermal resistance (m <sup>2</sup> K/W)
45	600	1200	16	11.52	20	230.40	1.20
60	600	1200	12	8.64	20	172.80	1.60
70	600	1200	14	10.08	20	201.60	1.85

### CERTIFICATES



### 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 can 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 EUCEB 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 possesses Eurofins Indoor Air Comfort Gold Certificate, regarding indoor Environmental Quality and Low-Emitting Materials. It is also officially certified by the DECLARE label, indicating that it is independently analyzed in forensic detail to ensure it does not contain any harmful or unhealthy chemical ingredients included on the International Living Future Institute's Red List.



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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Certificate of Constancy of Performance

No. 1020 - CPR - 020036600