

Thermal Insulation

EKOMIX PANEL WOOL – P

Mineral wool insulation panels with double thickness for thermal insulation, soundproofing and fire protection, especially for thermal insulation composite systems. Manufactured in accordance with the required environmental criteria.



- Soundproofing properties
- Dimensional stability
- Fire protection



FEATURES

Ekomix Panel Wool-P is a rigid insulation panel made of mineral wool, ideal for the construction of energy-efficient building envelopes. The lightweight and easy-to-handle Ekomix Panel Wool-P panels are characterised by double thickness, especially developed for long-term resistance to climatic factors: For this reason, it is important that the side with the lower density is applied with an adhesive to the support and the more compact section, which can be easily identified by the marking, should be facing outwards. The unique open-cell structure makes it possible to increase the soundproofing performance of clad façades, contributing to the well-being of the interior; the panel also improves the breathability of the wall system thanks to its high vapour permeability. Finally, since mineral wool is an incombustible material when exposed to direct flame, it is ideal for fire protection systems, as it prevents flames and smoke from spreading and increases the impermeability and safety of insulated walls. The described performance as well as the dimensional stability remain unchanged over time even under environmental conditions characterised by repeated and intense thermo-hygrometric stress.

TECHNICAL SPECIFICATIONS

Code	15289	15290	15291	15292	15293	15294	15296	15297	15298
Thickness (mm)	50	60	80	100	120	140	160	180	200
Piece/packageging	5	5	5	4	2	2	2	2	2

m ² /packaging	3,6	3,6	3,6	2,99	1,44	1,44	1,44	1,44	1,44
Length (mm)	1200	1200	1200	1200	1200	1200	1200	1200	1200
Width (mm)	600	600	600	600	600	600	600	600	600
Thermal resistance RD (m ² K/W)	1,40	1,70	2,25	2,85	3,40	4,00	4,55	5,10	5,70

Parameter	Reference Norm	Value
Water vapour diffusion resistance factor	EN 13162	$\mu = 1$
Tensile strength (thickness-wise)	EN 1607	$\geq 7,5$ kPa
Compressive strength	EN 826	≥ 15 kPa
Point load resistance	EN 12430	≥ 200 N
Density (double density)	EN 1602	78 kg/m ³
Specific heat capacity	EN ISO 10456	1030 J/(kgK)
Thermal conductivity	EN 12667, 12939	$\lambda_D = 0,035$ W/mK
Fire behaviour	EN 13501-1	A1

Dimensions	1200x600 mm
Thickness	100 mm, 120 mm, 140 mm, 160 mm, 180 mm, 200 mm, 50 mm, 60 mm, 80 mm
Packaging	package
Packaging size	2 piece, 4 piece, 5 piece
Pallet	10 packages, 6 packages, 8 packages
m ² Package	1,44 m ² , 2,88 m ² , 3,6 m ²
m ² Pallet	11,52 m ² , 14,4 m ² , 17,28 m ² , 21,6 m ² , 28,8 m ² , 36 m ² , 8,64 m ²

Specification clause

Thermal insulation must be provided by installing Ekomix Panel Wool-P insulation panels with a thermal conductivity λ_D of 0.035 W/mK (EN 12667, 12939), a tensile strength (thickness-wise) of at least 7.5 kPa (EN 1607) and a compressive strength of at least 15 kPa (EN 826), point load resistance not less than 200 N (EN 12430), water vapour diffusion resistance factor μ equal to 1 (EN 13162), density equal to 78 kg/m³ (EN 1602), specific heat capacity equal to 1030 J/kgK (EN ISO 10456), and fire class A1 (EN 13501-1).

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