

Kellerdeckendämmplatte PUR

Laminated insulation board for interior applications



AREAS OF APPLICATION

Ceiling insulation board for systems with adhesive fixing, and with adhesive and mechanical fixing, for insulating interior ceilings.

PRODUCT PROPERTIES

- Multi-layered insulation board consisting of aluminium-laminated polyurethane with 10 mm polystyrene insulation board on both sides
- Diffusion-tight aluminium foil on both sides
- Area of application in accordance with DIN 4108-10: DI
- EPS insulation board in accordance with DIN EN 13163 - T2-L2-W2-S2-P4-BS50-DS(70,-)2-DS(N)2-TR150
- PUR insulation board in accordance with DIN EN 13165 - T2 - CS (10Y)100-DS(TH)9-TR40
- Dimensionally stable
- HBCD free, CFC and HCFC free
- Edges: Rabbet and exposed face with bevel (7 x 7 mm)

TECHNICAL DATA

Fire behavior

E to DIN EN 13501-1

Thermal conductivity λ

Rated value in accordance with DIN 4108-4

Bonded face: Polystyrene 0.032 W/(mK)

Core: Polyurethane 0.023 W/(mK)

Exposed face: Polystyrene 0.035 W/(mK)

Thickness:	R-Wert (m ² K)/W	Rated value of thermal conductivity W/(mK)
40 mm	1,468	0,027
50 mm	1,903	0,026
60 mm	2,337	0,026
70 mm	2,772	0,025



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80 mm	3,207	0,025
90 mm	3,642	0,025
100 mm	4,076	0,025
120 mm	4,946	0,024
140 mm	5,816	0,024
160 mm	6,685	0,024

Dimensions	980 mm x 605 mm
Thickness	40 - 160 mm
Accessories	Ceiling insulation screw DDS-Z Ceiling insulation disc DDT
Density	approx. 22 - 32 kg/m ³

APPLICATION INSTRUCTIONS

Substrate pre-treatment	Pretreat substrates according to the application instructions for the adhesive.
Application	<p>Apply adhesive using the spot-and-bead method. At least a 40 % bond must be achieved. If the substrate is very smooth, the adhesive may be applied using the ridged-bed method.</p> <p>Only fast-setting types of adhesive, such as Armatop MP or Dämmkleber MK (Thermastick MK) are suitable for fixing insulation boards to the ceiling.</p> <p>Additional mechanical fixings are required as stipulated in the standard administrative regulation of the technical building specifications (section D 2.2.2.22) for a weight $\geq 15 \text{ kg/m}^2$ using DDS-Z (ceiling insulation screw) and DDT (ceiling insulation disc) fixings.</p> <p>The insulation boards are butted close together.</p> <p>The vertical and horizontal joints of the boards must be kept free of adhesive.</p> <p>The boards may subsequently be coated.</p>

STORAGE

Dry, protected against moisture.

PACKAGING INFORMATION

Colour	Bonded face: grey-white speckled Exposed face: with
Packaging unit	Please also refer to the current product range

OTHER INFORMATION

Transportation	Not a hazardous material
Waste code	17 06 04(class II waste disposal, household and construction waste disposal)

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.



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