

Capatect-Kellerdämmplatte-PUR 011



Thermal insulation boards with aluminium-cladded polyurethan core, on both sides laminated with expanded polystyrene boards (as per DIN EN 13163), with ship-lapped edges.

Product Description

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| Field of Application | Thermal insulation board compound for basement ceilings. To improve thermal insulation of ground floors against poorly insulated basements.
Insulation board type DI (underside ceiling insulation as per DIN V 4108-10) |
| Material Properties | <ul style="list-style-type: none"> ■ German fire classification "normal inflammable B2" as per (DIN 4102/DIN EN 1350-1) ■ Quality protection as per BFA QS ■ Not forming burning droplets ■ Non-shrinking ■ Dimensionally stable ■ Non-ageing ■ Diffusible ■ Toxicologically harmless ■ Free of CFCs, HCFCs, HFCs ■ Free of formaldehyde ■ Easy to handle |
| Colours | <ul style="list-style-type: none"> ■ Adhesive side:
Grey-white spotted ■ Visible side:
White |
| Storage | Protected from direct sunlight and moisture. Avoid long term UV-exposure. |

Thickness (standard) [mm]	R-Value [m ² K/W]	Coefficient of Thermal Conductivity [W/(mK)]
40	1.468	0.027
50	1.903	0.026
60	2.337	0.026
70	2.772	0.025
80	3.207	0.025
90	3.642	0.025
100	4.076	0.025
120	4.946	0.024
140	5.816	0.024
160	6.685	0.024



- Heat conductivity: EPS 032 = 0.032 W/(m · K) (adhesive side)
 PUR 023 = 0.023 W/(m · K) (core)
 EPS 035 = 0.035 W/(m · K) (visible side)
- Resistance to thermal deformation: approx. 70° C long term resistance
- Raw density: 22–32 kg/m³ (depending on thickness)
- Water vapour permeability (sd-value): 1500 m

Product No.

Product-No.	Thickness [mm]	Packaging (Units per box)	Effective Surface [m ²]
011/04	40	12	7.50
011/05	50	10	6.25
011/06	60	8	5.00
011/07	70	7	4.38
011/08	80	6	3.75
011/09	90	5	3.13
011/10	100	5	3.13
011/12	120	4	2.50
011/14	140	3	1.87
011/16	160	3	1.87

- Dimensions: 1000 x 625 mm
- Effective size: 980 x 605 = approx. 0.59 m²
- Chamfer: 7 mm/45 degrees

Application

Suitable Substrates	Concrete, solid and bearing substrates like mineral render/plaster or paint coatings.
Substrate Preparation	Remove all materials that may prevent good adhesion. Remove projecting mortar burrs. Chip off larger cavities and fill flush with the surface. Thoroughly remove dust, dirt and flaking paint. If necessary prime the surface.
Consumption	1.7 boards/m ² plus offcuts
Fitting of Insulation Boards	<p>Zone ceiling centered to obtain a uniform pattern and less offcuts. Fix the thermal insulation boards with adhesives (like Capatect-Klebe- und Spachtelmasse 190, Capatect-Klebe- und Armierungsmasse 186M, Capatect-Dämmkleber 185 or Disbomulti 209).</p> <p>Absolutely planar substrates: Pour the adhesive on the reverse side of the thermal insulation boards and spread using a 10 x 10 mm notched trowel.</p> <p>Irregulare Substrates: Applying the adhesive in the bead-point-method to achieve at least 40 % of the surface in contact with the adhesive.</p> <p>Bring boards into position by shifting them with slight pressure while respecting the revolving shiplap. Apply in staggered-joint or cross-joint fashion.</p> <p>Fix the boards with two anchors per board if necessary. Suitable anchors: Capatect-Universaldübel 052 or EJOT Deckendämmschraube DDS combined with EJOT Deckendämmteller DDT. Board surfaces can be painted with emulsion paints as desired.</p>

Advice

Disposal	<p>This product contains HBCD (Hexabromcyclododecane – CAS-Nr. 25637-99-4) in a Concentration > 0,1 % (w/w). See "Recommendations for Safe Use" Avoid contact of boards with aromatic solvents.</p> <p>Insulation boards should be cut carefully and offcuts be reused wherever possible, avoiding wastage. Attention should be made to remove wastage from site in compliance with standard construction site procedures. Small amounts of wastage can be disposed of as per European Waste Code EWC 17 06 04 (insulation materials).</p>
Customer Service Centre	<p>Tel.: (+49) 0 61 54 / 71 17 10 Fax: (+49) 0 61 54 / 71 17 11 e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see www.caparol.com</p>