

Capatect MW Insulation Board 040 HD 100

Mineral wool insulation board for the Capatect façade systems



Product Description

Field of Application	Non-combustible facade insulation board for Capatect façade systems fixed with anchors and adhesive.
Material Properties	<ul style="list-style-type: none"> ■ Application type according to DIN 4108-10: WAP-zh ■ Non-combustible ■ Coating on one side ■ Occupational health classification: free according to GefStoffV, ChemVerbotsV and ■ EC Directive 97/69 (Note Q)
Colours	<p>Insulation material: Brown-yellow</p> <p>Base coat side: Coated white for better adhesion of the base coat</p> <p>Back side: Uncoated</p>
Storage	Dry, protected from moisture, do not expose to weather without protection.
Technical Data	<ul style="list-style-type: none"> ■ Heat conductivity: <ul style="list-style-type: none"> ■ from 40 mm: <ul style="list-style-type: none"> $\lambda_B = 0.040 \text{ W/(m}\cdot\text{K)}$ rated value according to DIN 4108-4. $\lambda_D = 0.039 \text{ W/(m}\cdot\text{K)}$ nominal value according to EN 12667 and / or EN 12939 ■ 20/30 mm: <ul style="list-style-type: none"> $\lambda_B = 0.035 \text{ W/(m}\cdot\text{K)}$ rated value according to DIN 4108-4. $\lambda_D = 0.034 \text{ W/(m}\cdot\text{K)}$ nominal value according to EN 12667 and / or EN 12939 ■ Resistance-count for diffusion μ (H₂O): $\mu = 1$ according to DIN EN 12087 ■ Compressive stress (compression: 10%): $\geq 40 \text{ kPa}$ according to DIN EN 826 ■ Shearing resistance: $\geq 15 \text{ kPa}$ according to DIN EN 12090 ■ Temperature resistance: applicable up to 150 °C ■ Raw density: approx. $130 \text{ [kg/m}^3 \text{]} \pm 15$ ■ Melting point: $> 1000 \text{ }^\circ\text{C}$ ■ Certified quality control: by FIW in München / Munich ■ Adhesive tensile (pull-off) strength at right angle to the panel plane: $\geq 14 \text{ kPa}$ according to DIN EN 1607



Panel thickness (mm)	Insulation panel format: 800 x 625 mm	
	Produkt-No.	Packing/m ² in shrink film
20*	100/02***	6,0
30*	100/03***	4,0
40	100/04	3,0
50	100/05*	2,0
60	100/06	2,0
70	100/07*	2,0
80	100/08	1,5
100	100/10	1,5
120	100/12	1,0
140	100/14	1,0
160	100/16	1,0
180	100/18	1,0
200	100/20	1,0

The 20 and 30 mm thicknesses, with a rated thermal conductivity value of 0.035 W/(m*K) and a tensile strength perpendicular to the board plane of 3.5 kPa, are only suitable for soffit insulation.

Application

Substrates	Mineral substrates of new construction, solid old render, wood and board materials, as well as stable old paints or coatings or substrates according to the specifications of the ETICS approvals.
Substrate Preparation	The substrate must be solid, dry, free of grease and dust and, if necessary, have sufficient load-bearing capacity for the use of anchors. Impurities and substances with a separating effect (e.g. formwork oil) as well as protruding mortar burrs must be removed. Damaged, peeling paints and textured plasters must be removed as far as possible. Hollow areas of plaster must be knocked off and rendered flush with the surface. Highly absorbent, sanding or chalking surfaces must be thoroughly cleaned down to the solid substance and primed. The compatibility of any existing coatings with the adhesive must be checked by an expert.
Consumption	1 m ² /m ²
Application Conditions	Application temperature: During application and in the drying phase, the ambient and base coat temperatures must not be below +5 °C and above +30 °C respectively. Germany: In this context we refer to the comment ATV DIN 18345 point 3.1.3 unsuitable climatic conditions.
Bonding of Insulation Boards	<p>Apply the insulation boards at least 10 cm offset in a bond from the bottom to the top and press on well. If possible, interlock the insulation materials at the corners of the building. Do not apply adhesive to the joints of the boards. Ensure that the boards are laid flush and perpendicular. Fill any gaps ≤ 5 mm with "Capatect-Füllschaum B1" or larger gaps with insulation strips. A height offset at the board joints must be avoided. In the case of transition joints between different types of substrate materials or in the case of weatherboard joints, the insulation boards must bridge the joint course by at least 10 cm on both sides and be supported with a secure adhesive bond. Damaged insulation boards must not be installed. Expansion joints existing in the building must be adopted in the thermal insulation composite system.</p> <p>Manual bonding:</p> <p>Apply the adhesive to the uncoated back of the insulation board (press-filling) and then apply the adhesive "fresh in fresh" in a second work step.</p> <p>Apply the adhesive to the back of the board using the bead-dot method all around the edge and in clumps in the middle of the board. - Adhesive contact area: ≥ 40 %.</p> <p>Bonding of systems with hard coverings: - Bonding contact area ≥ 60 %.</p> <p>Observe the further information on anchors in the ETICS processing instructions. Protect insulation boards bonded to the façade surface from moisture and cover with base coat for a short time.</p>

Advice

Special Risks (Hazard Note) / Safety
Advice (Status as at Date of
Publication)

Disposal

Customer Service Centre

See Material Safety Data Sheet

Avoid waste by careful cutting and reuse. Nevertheless, dispose of small material residues according to EAK 170604 (insulation material).

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