

# Capatect-WDVS-Putzträgerplatte 090

Cement-bound, render carrier boards for exterior wall cladding and for special constructions

## Product Description

Field of Application	Non-combustible render carrier boards for covering substrates that are not suitable for adhesion and as a special construction for e.g. shading systems.
Material Properties	<ul style="list-style-type: none"> <li>■ Dimensionally stable</li> <li>■ Non-ageing</li> <li>■ Rotproof</li> <li>■ Edges: blunt</li> </ul>
Packaging/Package Size	<p>1 palette = 48 m<sup>2</sup> (= 50 boards)</p> <p>½ palette = 24 m<sup>2</sup> (= 25 boards)</p>
Colours	Grey
Storage	<p>Dry, protected from moisture.</p> <p>Do not expose to weathering without protection.</p> <p>Boards that have become damp must be dried lying flat on both sides before processing.</p>
Technical Data	<p>Material: Portland cement core with additives, reinforced on both sides with reinforcement mesh</p> <ul style="list-style-type: none"> <li>■ Heat conductivity: 0.35 W/(m·K)</li> <li>■ Resistance-count for diffusion <math>\mu</math> (H<sub>2</sub>O): 66 according to EN ISO 12572</li> <li>■ Temperature resistance:                             <ul style="list-style-type: none"> <li>Change in length at 65% - 85% humidity according to EN 318: 0.23 mm/m</li> <li>Change in thickness at 65% - 85% humidity according to EN 318: 0.2 %</li> </ul> </li> <li>■ Raw density: <math>\leq 1150 \text{ kg/m}^3</math></li> <li>■ Tensile strength under flexion: Flexural strength: 9.6 MPa according to DIN EN 12467</li> <li>■ Fire behaviour: Class A1 according to DIN 13501-1 (non-combustible)</li> <li>■ Area-related mass: approx. 16 kg/m<sup>2</sup></li> <li>■ Coefficient of thermal expansion: <math>7 \cdot 10^{-6} \text{ K}^{-1}</math></li> <li>■ Tensile strength: perpendicular to the plane of the panel 0.65 N/mm<sup>2</sup> according to DIN EN 319</li> </ul>
Product No.	<p>090/00 (48 m<sup>2</sup>)</p> <p>090/01 (24 m<sup>2</sup>)</p> <p>1200 x 800 x 12.5 mm</p>



## Application

Consumption	The "allgemeine bauaufsichtliche Zulassung" (general building authority approval) / "allgemeine Bauartengenehmigung" (general building type approval) of the underlying ETIC systems and the technical information of the products must be observed. 1 m <sup>2</sup> /m <sup>2</sup>
Application Conditions	During the application and drying phase, the ambient and substrate temperatures must not be below +5 °C and above +30 °C. Do not apply in direct sunlight, strong wind, fog or high humidity. In this context, we refer to the leaflet "Verputzen, Wärmedämmen, Spachteln, Beschichten bei hohen und niedrigen Temperaturen" ("Rendering, Thermal Insulation, Filling, Coating at High and Low Temperatures") from the "Bundesverband Ausbau und Fassade" (Federal Association for Finishing and Facades).  In case of unfavourable weather conditions, take suitable measures to protect the processed facade surfaces.
Installation	<p><b>Panel cutting:</b> Panel cutting is preferably done by scribing and breaking. Produce smooth cut surfaces, for example for outer edges, with a hand-held circular saw with suction or a pendulum stroke jigsaw. The use of a carbide or diamond saw blade is recommended.</p> <p><b>Adhesion:</b> Reduce the insulation thickness in the area of the render carrier boards accordingly by levelling in the adhesive bed and/or the use of 2 cm thinner boards compared to the adjacent façade surfaces. Adhere "Capatect Putzträgerplatten 090" on the insulation materials with adhesive (e.g. "Capatect Klebe- und Armierungsmasse 186M" or "Capatect Klebe- und Spachtelmasse 190") in a bond or as a row with 2-3 mm joint to each other.</p> <ul style="list-style-type: none"> <li>■ Bead-dot method with at least 40 % effective adhesion area, adhere close to the edge. Achievable levelling: up to 10 mm.</li> <li>■ Tooth bed method: Apply mortar with a toothed trowel 8 x 8 mm and adhere over the entire surface. Achievable levelling: up to 4 mm with simple tooth bed, up to 6 mm with double tooth bed.</li> </ul> <p>The render carrier board must be adhered to the insulation material above shading devices such as blind boxes by at least 300 mm and on both sides by at least 200 mm. The freely protruding area must not exceed 300 mm. Connection joints to the insulation material must be closed with "Capatect Füllschaum 056/00".</p> <p><b>Anchoring:</b> Anchoring is carried out immediately after adhesion in the fresh adhesive bed.</p> <ul style="list-style-type: none"> <li>■ Flush with the surface anchoring with "Capatect Universaldübel 053".</li> <li>■ Minimum number of anchors: 5 pcs/board</li> <li>■ Double row anchoring, min. 1 anchor in centre of panel</li> <li>■ Distance between anchors and edge of board: 100 mm</li> <li>■ Distance between anchors: min. 100 mm</li> </ul> <p>If, depending on the ETICS, a larger number of anchors is required, these must be used.</p> <p><b>Base coat:</b> Adhere "Gewebeband 060/10" immediately before applying the base coat. Remove the protective foil on the back and adhere the trailing strip centrally over the horizontal and vertical joints. Provide transitions from render carrier boards to insulation boards and joints above render carrier boards joints with additional double mesh embedding. Base coat to be applied with a layer thickness of at least 4 mm are e.g. "Capatect Klebe- und Spachtelmasse 190", "Capatect Klebe- und Armierungsmasse 186M", "170", "133 LEICHT" or "Capatect OrCa-Spachtel" each with "Capatect Gewebe 650".</p> <p><b>Special equipment:</b> The free edge of the board as a render finish is preferably formed with the "Capatect Raffstore PTP-Profil 678/07 (18/40/2)", which is riveted with the fastener "Capatect Plattenniet 093 (Ø 5.0 K14)", pre-drill 5 mm. Panel joints are bridged with the angle profile. Alternatively, the "Capatect Aufsteckprofil 664/00" with mesh can be used without joint.</p>
Installation, Fixing, Cut	When using elasticised polystyrene and mineral wool with low transverse tensile strength, the insulation thickness is limited to 200 mm. Carry panels upright or transport them with a panel roller or on pallets. Do not damage corners and edges when setting down. Unrendered "Capatect Putzträgerplatten 090" on the façade must be protected from moisture, direct sunlight and frost and coated with reinforced base coat as soon as possible. Damaged "Capatect Putzträgerplatten 090" must not be installed.

## Advice

Disposal

Dispose of wastage from site in compliance with standard construction site procedures and national regulations. Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities.

Approval

ETA-07/0173

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