

Capatect-SockelFlex

Organic component for reinforcing and waterproofing of ETICS* in plinth area as well as for bonding thermal insulation boards; to be mixed with cement



Product Description

Field of Application	Adhesive and reinforcement compound for bonding, reinforcing and waterproofing of thermal insulation boards in plinth area within Capatect ETICS* systems A and B. * ETICS = External Thermal Insulation Composite System <i>Brit. term:</i> EWI = External Wall Insulation <i>Am. term:</i> EIFS = External Insulation and Finish System	
Material Properties	<ul style="list-style-type: none"> ■ Synthetic resin filling compound, to be mixed with cement ■ Multi-purpose use ■ High adhesive strength ■ Adhesive on bituminous substrates ■ Paste-like ■ Impermeable to water ■ Water vapour permeable ■ Frost resistant ■ Good fresh mortar stability 	
Packaging/Package Size	bucket, 18 kg	
Colours	Pasty compound: white grey - mixed with cement: cement grey	
Storage	Cool, dry and frost-free and protected against direct sunlight.	
Technical Data	<ul style="list-style-type: none"> ■ Density: ■ Diffusion-equivalent air layer thickness $s_d H_2O$: ■ Water permeability (w-value): 	<p>Pasty compound without cement: approx. 1.1 [g/cm³]</p> <p>approx. 2.7 [m] as per DIN EN 7783 (coating thickness 2 mm)</p> <p>< 0.01 [kg/(m² · h^{0.5})] as per DIN EN 1062-3</p>

Application

Suitable Substrates	Masonry and concrete with or without sound, clean and load-bearing plaster / paint
Substrate Preparation	Substances and impurities that may prevent good adhesion must be removed, such as form oil. Sharp mortar burrs, cavities, unsound parts and flaking paints respectively plaster coatings are to be removed. Repair to match the surrounding surface if necessary. Highly absorbent, sanding or chalking surfaces should be cleaned thoroughly up to the solid substance and prime with Sylitol Concentrate 111.



Preparation of Material

Mix the pasty compound in 1:1 ratio with cement CEM I 32.5 just before use. Stirr up with a suitable low-speed electric paddle until the mixture is free of lumps. Adjust to working consistency by adding approx. 5% of tap water, when used for sealing coat.

Never mix slightly hardened or stiff material with water (such a material is unusable).

Method of Application

Bonding of thermal insulation boards in the plinth area:

Apply Capatec-SockelFlex thoroughly with a 10 x 10 mm or 15 x 15 mm square-notched steel trowel to the Capatec-Perimeterdämmplatte 115 (perimeter insulating board) , using the "Bead-Point-Method". A bead of material (approx. 5 cm wide) surrounds the board and 3 blobs (palm of the hand sized) are to be applied in the middle of the board. Adjust the thickness of applied material to the tolerances of the substrate, such that $\geq 40\%$ surface area is in contact with adhesive.

Place the boards thoroughly from bottom to top touching each other (pressing together) and press on thoroughly. The rows of insulating boards must be applied 50% staggered (offset) one beneath the other. Avoid the penetration of adhesive into joints. Follow the alignment and vertical lines for installation.

Application of the reinforcement layer

Abrade surface irregularities of polystyrene boards butt joints (offset) and remove adherent dust. Secure all edges/corners and reveals of windows with edge guard profiles. Apply diagonal reinforcement fabric to the edges of openings and edge protection along window sides and building corners.

Apply the mortar (pasty compound + cement) onto the thermal insulating boards in the width of a reinforcement fabric strip. Press Capatec-Gewebe 650 (reinforcement fabric) very thoroughly with overlap of approx.10 cm into the freshly applied reinforcement layer.

Apply a subsequent layer of mortar, to guarantee the complete embedding of fabrics. Provide for a total reinforcement layer thickness of approx.2 mm.

Outside corners: When Capatec-Eckschutzschienen (edge guard profiles) are used, the fabric has to overlap the edge/corner area for 10 cm. When Capatec-Gewebe-Eckschutz (edge reinforcement fabric) is used, the fabric has to be applied only up to the edge/outside corner.

Capatec-SockelFlex as coating and waterproofing

For coating/brush application dilute Capatec-SockelFlex up to 5% with tap (potable) water. Finishing coats in the ground area: Apply two coats up to 5 cm above the ground level. In the perimeter area a dimpled sheet has to be applied on site to protect from damages.

Final Coatings:

Prime Capatec-SockelFlex with Putzgrund 610 before applying finishing render/plaster coatings. The following plaster and paints can be used: AmphiSilan-Fassadenputz, Capatec-Buntstein-Sockelputz, Capatec-Fassadenputz, Capatec-Fassadenputz Fein, Sylitol-Fassadenputz., Capatec-SI-Fassadenfinish 130, ThermoSan, AmphiSilan.

Consumption

Compound without cement	Compound + Cement
Bonding thermal insulation boards :	
approx. 2.0	approx. 4.0
Reinforcement layer:	
approx. 1.3	approx. 2.6
Waterproofing - per coat:	
approx. 0.5	approx. 1.0

The exact rate of consumption is best established by a trial application on site.

Note: Figures in column 1 are used only for the quantity determination / calculation. The material is always to be mixed with cement.

Application Conditions

Working/Application Temperature:

The temperature for material, substrate, water and ambient air should not fall below + 5 °C or rise over 30 °C during application and drying period. Do not apply in direct sunlight, during strong wind, fog, high relative humidity, and imminent rain or frost.

To protect the surface from rain cover the scaffolding or plinth area with tarpaulins during the drying phase,

Drying/Drying Time

Allow to set for a sufficiently long time before dowelling (if necessary), usually after approx. 1 day. At 20 °C and 65% relative humidity the adhesive is thoroughly dry and ready for stress after 2 to 3 days and the reinforcement layer is surface-dry after 24 hours.

Capatect-Sockelflex hardens by hydration and physically by evaporation of mixing water. Especially in the cool season and high humidity so a delayed drying is given.

Tool Cleaning

Immediately after use with water.

Advice

Follow DIN V 18550 and DIN 18 350, VOB, part C.

Keep out of the reach of children.

In case of contact with eyes, rinse immediately with plenty of water.

Do not empty into drains, water courses or onto the ground.

Further Information: See Material Safety Data Sheets (MSDS)

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities.

Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

In Germany: Only completely emptied containers should be given for recycling.

Dispose containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.

Product Code Paints and Enamels

M-GF01

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