

Capatect-SockelFlex Carbon

Two-component sealing grout for fixing and reinforcing plinth insulation boards; suitable as protective coating in plinth area and under the soil.



Product Description

Field of Application	<p>Adhesive and reinforcement mortar</p> <ul style="list-style-type: none"> ■ for fixing and reinforcing of plinth insulation boards and protective coatings for areas in contact with the soil ■ to create an additional sealing level under window sills ■ as seal and as sealing protective coating for Capatect ETIC systems and on plastering systems
Material Properties	<ul style="list-style-type: none"> ■ waterproof ■ water vapor permeable ■ adhesion on bituminous substrates ■ very elastic (crack bridging) ■ good fresh mortar stability ■ carbon fiber reinforced ■ frost resistant ■ alkali resistant
Packaging/Package Size	<p>bucket containing 18 kg in total: Component A: 9,0 kg Component B: 9,0 kg (3 x 3.0 kg) [mixing ratio of 1: 1] (12 combined buckets = 216 kg / pallet)</p>
Storage	<p>Cool, dry and frost-free. Shelf life approx. 1 year in original sealed bucket. Of low chromate content to RL 2003/53 / EC. Limit guaranteed up to 6 months after production date by a reducing agent (see batch number).</p>
Technical Data	<ul style="list-style-type: none"> ■ Resistance-count for diffusion μ (H₂O): $\mu = 1350$ ■ Diffusion-equivalent air layer thickness s_d H₂O: sd: approx 2.7 m according to DIN 52615 for 2 mm layer thickness ■ Water permeability (w-value): < 0,02 kg/m² · h^{0,5} to DIN EN 1062 Water permeability rate: Equivalent to class III, low, to DIN EN 1062-3 ■ Consistency: Umixed: powder and past-like; mixed past-like ■ Vehicle / Binding agent: Copolymer resin emulsion, cement



Application

Suitable Substrates	Masonry and concrete with or without plaster or paint (only on sound, clean and load-bearing plaster or paint), plinth insulation boards and finished insulation systems.
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 have 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	On-site prerequisite: Existing moisture sealing according to DIN 18195 (or local regulations), adapted to the prevailing stresses and containing a moisture barrier until about 30 cm above the ground level. Mix the pasty compound with the 3 bags of 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).
Consumption	<ul style="list-style-type: none"> ■ Adhesive within ETICS: approx. 4.0 kg / m² ■ Reinforcement within ETICS: approx. 4.2 kg / m² at nominal layer thickness 3 m ■ Moisture protection than paint coat: approx. 1.0 kg / m² ■ Moisture protection as grout coat: approx. 1.4 kg / m² / per mm thick layer
Application Conditions	Processing temperature: + 5 °C to + 30 °C for material, substrate and ambient air during application and curing. 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 application and curing.
Drying/Drying Time	The adhesive is completely dry and ready for stress after 2 - 3 days. The reinforcing layer is surface-dry after 24 hours (at 20 °C / 65% RH). Capatect SockelFlex Carbon cures by hydration and physically, ie by evaporation of the mixing water. Especially in the cold season and in high humidity a delayed drying is given.
Tool Cleaning	Immediately after use with water.
Application	<p>Bonding of thermal insulation boards in the plinth area: Apply Capatec-SockelFlex Carbon thoroughly with a 10 x 10 mm or 15 x 15 mm square-notched steel trowel to the Capatect-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.</p> <p>Adjust the thickness of applied material to the tolerances of the substrate, such that ≥ 40% surface area is in contact with adhesive.</p> <p>To avoid skinning, only as much adhesive may be applied as may be directly covered with insulation.</p> <p>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.</p> <p>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 well prepared mortar onto the thermal insulating boards in the width of the reinforcement fabric strip. Press Capatect-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. 3 mm.</p> <p>Outside corners: When Capatect-Eckschutzschienen (edge guard profiles) are used, the fabric has to overlap the edge/corner area for 10 cm. When Capatect-Gewebe-Eckschutz (edge reinforcement fabric) is used, the fabric has to be applied only up to the edge/outside corner.</p>
Protective Filler Application	<p>For trowel application: minimum thickness is 2 mm. For brush application: Dilute Capatect-SockelFlex up to 10 % with tap water. Always respect indicated consumption!</p> <p>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.</p>
Sealing / Paint Finish	Prime with Capatect Putzgrund 610 before finishing with a render. Following render are possible: ThermoSan-Fassadenputz NQG, AmphiSilan-Fassadenputz, AmphiSilan- Fassadenputz Fine, Capatect-Buntstein-Sockelputz, Capatect-Fassadenputz and Capatect-Fassadenputz Fine. Can also be painted with ThermoSan and AmphiSilan.

Advice

Please Note (Status as at Date of Publication)

Keep out of reach of children. Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Contains benzisothiazolinone. May produce an allergic reaction. See Material Safety Data Sheet (MSDS) for further information.

Disposal

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

In Germany: Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.

Only completely emptied containers should be given for recycling.

Product Code Paints and Enamels

M-GP01

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.0534 - Capatect-SockelFlex Carbon - Issued: September 2015

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