

CarbonSpachtel

Emulsion-based reinforcing surfacer - powered with carbon fibres
- for highly shock-resistant Capatect ETICS*



Product Description

Field of Application	Ready-to-use reinforcing mortar for use within Capatect ETICS* system B, for fixing of functional profiles and for the renovation of façades and EPS-based ETICS * ETICS = External Thermal Insulation Composite System <i>Brit. term:</i> EWI = External Wall Insulation <i>Am. term:</i> EIFS = External Insulation and Finish System
Product Properties	<ul style="list-style-type: none"> ■ Carbon fibre reinforced ■ Reinforcement improves to highly shock-resistant ETICS ■ Enhanced crack extension ■ Excellent working properties ■ Low tension ■ Weather-resistant
Packaging/Package Size	25 kg bucket, 800 kg one-way container** (**Weatherproofing wrapper available: material no. 807534)
Colours	Light beige
Storage	Cool, dry and frost free. Keep out of direct sunlight. Empty all containers and silos before longer breaks (winter break) completely or store them at indoor temperature. Shelf life of original sealed packaging is approximately 1 year.
Technical Data	<ul style="list-style-type: none"> ■ Density: 1.7 [g/cm³] ■ Heat conductivity: 0.7 [W/(m.K)] ■ Resistance-count for diffusion μ (H₂O): 520 ■ Consistency: paste-like ■ Shock resistance / Impact strength: > 15 Joule (layer thickness: min. 3 mm) <ul style="list-style-type: none"> ● Certified for protection against flying balls according to DIN 18032 ● Hail protection: HW 5 (highest protection according to Swiss standard VKF)
Product No.	9814



Application

Substrate Preparation	<p>Note: Apply material wet-on-wet without interruption to avoid visible lappings. Do not mix Carbon products with other materials to preserve the special product features. No application on horizontal surfaces exposed to rain or moisture.</p> <p>ETICS reinforcement: Smooth all offsets at the joints of Capatect Thermal insulating boards by sanding. Remove all adherent sanding dust.</p> <p>Plaster reinforcement: Remove all unsound or unsolid plaster parts and substances that may prevent good adhesion. Repair damaged areas with adequate mineral based mortars and allow mortar to harden. Smooth the surface to get an even substrate for the following reinforcement.</p> <p>Mask window sills and other attaching parts.</p>
Preparation of Material	<p>CarbonSpachtel is ready to use and should be stirred up before use. Working consistency may be adjusted by adding a small amount of tap (potable) water depending on temperatur and working conditions. CarbonSpachtel can be pumped with all current screw pumps, e.g. "Berö Speedy 15" or "Wagner PC 1".</p>
Method of Application	<p>Application of Reinforcing Layer: Protect edges and corners with edge guard profiles and all opening angles and corners with diagonal reinforcement fabric. Apply CarbonSpachtel with a square notched trowel (8 x 8 mm) onto thermal insulating boards in the width of the reinforcement fabric. Press Capatect-Gewebe (reinforcement fabric) thoroughly into the freshly applied layer with a fabric-overlap of min. 10 cm. Another layer of CarbonSpachtel has to be applied wet-on-wet to guarantee complete embedding of the fabric. Total layer thickness: 3 to 4 mm. Reinforcement fabric must be embedded in the upper third.</p>
Consumption	<p>Approx. 5 [kg/m²] for a layer thickness of min. 3 mm. This value is an standard gauge. Individual consumption to get the thickness of 3 mm has to be taken into account .</p>
Application Conditions	<p>Processing temperature (material, substrate, water and ambient air during application and drying): +5° C to approx. +30° C . Do not apply in direct sunlight, during strong wind, fog, high relative humidity.</p>
Drying/Drying Time	<p>At 20° C and 65 % RH: surface-dry after 24 hours; cured and ready for stress after approx 3 days. The material cures physically by evaporation of water. Drying time is extended by low temperature and high RH.</p>
Tool Cleaning	<p>Clean tools immediately after use with water.</p>

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	<p>Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. If swallowed, seek medical advice immediately to avoid harm to the intestinal bacteria.</p> <p>See Material safety data sheet MSDS</p>
Disposal	<p>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.</p> <p>European waste code EWC 080112</p>
Product Code Paints and Enamels Customer Service Centre	<p>M-DF02 F</p> <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>

Technical Information No. 9814 · Issue: January 2012

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. 9814 · CarbonSpachtel · Issued: August 2011

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