

Capatect CarbonSpachtel X-TRA 900

Ready-to-use carbon fiber reinforced adhesive and base coat with organic lightweight aggregates (EPS)



Product Description

Field of Application

Very economical light-filler base coat for EPS and mineral wool insulation boards in the Capatect facade systems as well as for bonding EPS insulation boards. The Capatect CarbonSpachtel X-TRA 900 can also be used in the renovation of load-bearing substrates and EPS insulation boards.

Material Properties

- Carbon fiber reinforced
- Highly impact- and crack-resistant
- Low material consumption
- Very economical
- High stability
- Very easy processing

Material Base / Vehicle

Polymer dispersion

Packaging/Package Size

15 kg bucket

Colours

Light beige

Storage

Store in a cool, dry and frost-free place. Protect from direct sunlight.

Technical Data

- Density: 1.0 g/cm³
- Diffusion-equivalent air layer thickness s_{dH_2O} : < 0.14 m as per DIN EN ISO 7783 class V₁ (high) as per DIN EN 15824
- Adhesive tensile strength: ≥ 0.3 N/mm² as per DIN EN 1542
- Fire behaviour: class A2-s1, d0 (non-combustible) as per DIN EN 13501-1
- Shock resistance / Impact strength: Up to 30 joules with a layer thickness of at least 3 mm
- Water permeability (w-value): ≤ 0.1 kg(m²h^{1/2}) as per DIN EN 1062-3 class W₃ (low) as per DIN EN 15824

Product No.

9813

Note

The data given represent average values that may vary slightly from delivery to delivery due to the use of natural raw materials.



Application

	<p>To avoid overlapping, apply wet-on-wet in one go. In order to maintain the special properties, Capatect Carbon products must not be mixed with other products. Not suitable on horizontal surfaces exposed to water.</p>
Substrate Preparation	<p>Masonry, concrete or firmly adhering paint must be clean, dry and stable. Impurities and separating substances (e.g. formwork oil) as well as protruding mortar ridges must be removed. Damaged, peeling old paintwork and finishing coats should be removed as far as possible.</p>
Preparation of Material	<p>Any existing offsets on the board joints of Capatect EPS facade insulation boards must be sanded off beforehand and any sanding dust must be removed. Mask off window sills and other attachments.</p>
Method of Application	<p>Capatect CarbonSpachtel X-TRA 900 is ready to use. The material must be stirred briefly before processing. In warm weather, it is possible to regulate the consistency by adding a little water.</p> <p>Bonding the EPS insulation boards:</p> <p>Apply the adhesive mortar to the entire backside of the boards using the tooth bed method. The adhesive mortar can also be applied over the entire surface of the substrate. The adhesive mortar must be combed with a notched trowel immediately before the insulation panels are attached. Immediately, after 10 minutes at the latest, the insulation boards must be correctly pressed into the fresh adhesive mortar bed.</p> <p>Base coat:</p> <p>Sand down any offsets on the EPS insulation board joints and remove any adhering sanding dust.</p> <p>In the case of mineral wool insulation boards, a levelling coat is recommended before the base coat is applied, to level the insulation board surface. After the corner protection has been attached to window reveals and edges, as well as the diagonal reinforcement fabric at the corners of facade openings, the base coat is to be applied to the insulation panels in the width of the fabric and the Capatect Gewebe 650 must be pressed in with an overlap of at least 10 cm. Then apply a second base coat layer wet-on-wet to ensure that the entire surface of the fabric is covered.</p> <p>The total layer thickness must be at least 2 mm (EPS insulation boards) or 4 mm (mineral wool insulation boards). The maximum layer thickness is 5 mm. Place the fabric into the middle of the base coat with thicknesses up to 4mm. For greater thicknesses place the fabric into the upper third of the base coat. When using Capatect Gewebe-Eckschutz, only install the fabric up to the edge.</p>
Consumption	<p>Adhesive: approx. 2.0 kg/m²</p> <p>Base coat: approx. 1.0 kg/mm/m² Minimum thickness EPS: 2 mm Total thickness EPS: 2-5 mm Total thickness mineral wool: 4-5 mm</p> <p>These consumption figures are guide values. Building-dependent or processing-related deviations must be taken into account.</p>
Application Conditions	<p>During processing and in the drying phase, the ambient and substrate temperatures must not be below +5°C or above +30°C. Do not use in direct sunlight, strong wind, fog or high humidity. In this context, we refer to the information "Verputzen, Wärmedämmen, Spachteln, Beschichten bei hohen und tiefen Temperaturen" from the German Federal Association "Bundesverband Ausbau und Fassade".</p>
Drying/Drying Time	<p>At 20°C and 65% relative humidity, the base coat layer is surface-dry after 24 hours, completely dry and resilient after approx. 3 days. Before further work, the base coat must be checked for sufficient drying in the entire layer thickness. The product physically dries through evaporation of the moisture. Delayed drying is therefore given, especially in the cooler months of the year and when there is high humidity.</p>
Tool Cleaning	<p>Clean with water immediately after use.</p>

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	<p>This product contains max. <1 g/l VOC. If medical advice is needed, have container or label ready. Keep out of the reach of children. Contains: 1,2-Benzisothiazol-3 (2H) -one, 2-Methyl-2H-isothiazol-3-one. Can cause allergic reactions. Hotline for allergy inquiries: 0800/1895000 (free of charge from the German landline network).</p>
Disposal	<p>Dispose of liquid material residues at the collection point for old paints/ varnishes, dispose of dried material residues as construction and demolition waste or as municipal waste or household waste. Observe the national regulations.</p>
EU limit value for the VOC content	<p>Volatile organic components according to Directive 2004/42/EG: <10 g/l</p>
Giscode	<p>BSW20</p>

TECHNICAL INFORMATION NO. 9813

Approval Z-33.41-130
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CE Labelling The CE mark according to DIN EN 15824 is marked on the container and on the data sheet for the CE mark, which can be found on the Internet at www.caparol.de.

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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.9813 · Capatect CarbonSpachtel
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