

Capatect AmphiSilan Fassadenputz

Ready-to-use, structurable silicone resin finishing coat as per DIN EN 15824



Product Description

Field of Application

Ready-to-use, structurable silicone resin finishing coat for mineral and organic wall and ceiling surfaces outdoors. Can be used in conjunction with the Capatect facade systems.

Material Properties

- Highly water vapour permeable
- Water-repellent
- Elegant application
- Water-dilutable
- Increased protection against fungal and algae infestation
- Balanced filler-aggregate combination with non-fading pigments

Packaging/Package Size

25 kg bucket

Colours

White

Can be tinted by manufacturer. Suitable for machine tinting with dosing systems from ColorExpress.

Further custom colors with lightness value > 20 on request. If, for design reasons, colors with lightness value < 20 are required, these can be achieved in some cases with a double coat of Muresko CoolProtect paint.

Small quantities can be tinted with CaparolColor or AmphibolinColor colourants with max. 2 % to avoid low consistency.

Gloss Level

Matt

Storage

Cool, dry, frost-free and protected from direct sunlight.

Technical Data

- Density: approx. 1.8 g/cm³
- Diffusion-equivalent air layer thickness s_{dH_2O} : < 0.14 m according to DIN ISO 7783 Class V₁ (high) as per DIN EN 15824
- Adhesive tensile strength: ≥ 0.3 MPa as per DIN EN 15824
- Fire behaviour: A2-s1, d0 as per DIN EN 13501-1 (non-combustible)
- Consistency: Paste-like
- Vehicle / Binding agent: silicone resin
- Water permeability (w-value): ≤ 0.1 kg/(m²·h^{0.5}) as per DIN EN 1062-3 Klasse W₃ (low) as per DIN EN 15824

Product No.

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Variations: Capatect AmphiSilan Fassadenputz

Name affix	Texture	Grain Size [mm]	Consumption [kg/m²] *
R20	grooved plaster	2.0	2.4
R30	grooved plaster	3.0	3.3
K15	scraped plaster	1.5	2.2
K20	scraped plaster	2.0	3.0
K30	scraped plaster	3.0	3.8

The exact rate of consumption is best established by trials.
 *) without spilling or loss on site; the substrate may affect consumption.

Application

Substrate Preparation

The substrate must be even, clean, dry, solid, sound/ stable and free from all substances that may prevent good adhesion. In Germany follow VOB, part C, DIN 18 363, section 3.

Remove unsound coatings of enamel, emulsion paint, synthetic (organic) render/ plaster and unsound mineral paint coatings completely. Clean adherent paint coatings dry or wet.

Clean surfaces infested with organic growth (fungi/ mildew/ mould, moss, algae attack) with a high-pressure water jet, in compliance with the regulations. Then use Capatopx and allow to dry thoroughly. Clean surfaces contaminated with industrial pollution (factory fumes) or soot by high-pressure cleaner and suitable cleaning agent, in compliance with the regulations.

Preparation of Material

Stir Capatect AmphiSilan Fassadenputz thoroughly with a low-speed stainless steel agitator. If necessary adjust to working consistency with tap water, max. 1 % if manually applied and max. 2 % for spray application.

Method of Application

Apply all textured render with a stainless steel trowel or suitable spraying equipment homogeneously to surface sections. Rub off immediately to the grain size and take off excessive slurry. Treat the K-type render evenly with a plastic trowel or PU-board by circularly "ironing". Groove the R-type render horizontally, vertically or circularly with a plastic trowel as desired. The surface roughness is influenced by the chosen tool, hence always the same type of texturing tool should be used.

For spray application the nozzle size depends on the grain size (nozzle size = 4 x grain size). Working pressure: 0.3 to 0.4 MPa (3 to 4 bar). Apply thoroughly an homogeneous layer during spray application. Avoid visible overlapping that may be caused by storeys of scaffolding.

Always the same craftsmen should finish seamless surfaces to achieve an even texture. To avoid lapping on large-area surfaces, care should be taken to have a sufficient number of craftsmen on the job and to apply the material wet-on-wet without interruption.

Granules and filler are natural products and therefore may occasionally cause slight colour variation in the finished coating. Only use products of the same batch or, if materials from different batches must be applied, mix the entire quantity needed in advance.

Capatect AmphiSilan Fassadenputz is not suitable for horizontal surfaces exposed to water.

Surface Coating System	<p>The key coat Putzgrund 610 has to be tinted in matching colour shade before applying tinted render/plaster. Allow thorough drying of key/ intermediate coats before further application.</p> <p>Capatect ETICS: New mineral base coats (reinforcement layer): Prime with Putzgrund 610. New cement-free base coats: No key coat required. Weathered base coats (e.g. after winter break): Prime with Putzgrund 610.</p> <p>Plasters of mortar groups PII u. PIII: New plasters can be coated after a sufficient waiting period, usually after 2 weeks at approx. 20°C and 65% rel. humidity. In less favorable weather conditions, e.g. influenced by wind or rain, significantly longer waiting times must be observed. An additional key coat with CapaGrund Universal reduces the risk of lime efflorescence, so that the finishing coat can be coated after just 7 days. Intermediate coat with PutzGrund 610.</p> <p>Old plasters: Subsequent plastering areas must be well set and dried out. Prime coarse, porous, absorbent, slightly sanding plasters with OptiSilan TiefGrund. Intermediate coat with PutzGrund 610. Use Dupa-Putzfestiger for heavily sanding, powdery plasters. Intermediate coat with PutzGrund 610.</p> <p>Concrete: Clean dirty or powdery concrete surfaces mechanically or with high pressure water jets in compliance with the legal regulations. Use OptiSilan TiefGrund on coarsely porous, light sanding or absorbent surfaces. On powdery surfaces, use Dupa-Putzfestiger. Intermediate coat with PutzGrund 610.</p> <p>Load-bearing, matt emulsion paint coatings: Coat matt, slightly absorbent coatings directly. Clean soiled, chalking old paint coatings with high pressure water jets, observing the legal regulations. For other types of cleaning (washing, brushing off, hosing down), prime with Dupa-Putzfestiger. Intermediate coat with PutzGrund 610.</p> <p>Load-bearing silicate paints: Coat with Sylitol or AmphiSilan products.</p>
Application Conditions	<p>Processing temperature: +5°C to approx. +30°C for material, substrate and ambient air during application and curing.</p> <p>Do not apply in direct sunlight, during strong wind, fog, high relative humidity, and imminent rain or frost. In this context we refer to the information "Verputzen bei hohen und tiefen Temperaturen" from the German Stucco Trade Association (Deutscher Stuckgewerbebund).</p>
Drying/Drying Time	<p>At 20°C and 65% RH: surface-dry after approx. 24 hours. Cured, recoatable and ready for stress after 2 to 3 days.</p> <p>The render cures physically by evaporation of water. Drying time is extended by low temperature and high RH. Cover the scaffoldings with tarpaulins to protect the surface from rain during the drying phase (if necessary).</p>
Tool Cleaning	Immediately after use with water.
Note	Capatect AmphiSilan Fassadenputz contains certain active ingredients against fungal and algae growth on it. This depot offers a long-term but nevertheless time-limited protection. Lasting of this depends on project conditions such as the strength of the infestation and the moisture load. It is not a warranty for permanent protection against fungus and algae growth.

Advice

Please Note (Status as at Date of Publication)	<p>May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Wear protective gloves/ eye protection. IF ON SKIN: Wash with plenty of soap and water. Contains: 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), . Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. German hotline for allergy prevention and consulting service: 0800/1895000 (free of charge from German landlines). This product is a "treated article" according to EU Regulation 528/2012 (not a biocidal product) and contains the following biocidal active substances: isoproturon (ISO) (CAS-No. 34123-59-6), 2-octyl-2H-isothiazol-3-one (CAS-No. 26530-20-1), terbutryn (CAS-No. 886-50-0), carbendazim (ISO) (CAS-No. 10605-21-7).</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. In Germany: Only completely emptied containers should be given for recycling. 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. European Waste Code (EWC) 08 01 12</p>
Giscode	BSW50
Other Notes	<p>German approvals: Z-33.41-130, Z-33.43-132, Z-33.47-859, Z-33.43.1523 European assessments and approvals: ETA-07/0184, ETA-10/0160 CE labelling as per EN 15824: See bucket or www.caparol.de</p>
Customer Service Centre	<p>Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see www.caparol.com</p>



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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.626 · Capatect AmphiSilan Fassadenputz · Issued: September 2020