

Capatect AmphiSilan Fassadenputz

Ready-to-use silicone resin structural finishing coat **without biocides** as coating protection according to 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 without biocides as coating protection. Can be used in conjunction with the Capatect facade systems.
Material Properties	<ul style="list-style-type: none"> ■ Without biocides as coating protection ■ Highly permeable to water vapor ■ Water repellent ■ Smooth processing ■ Can be diluted with water ■ Graduated, lightfast pigment-filler-granulate combination
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 Amphibolin colourants with max. 2 % to avoid low consistency.
Gloss Level	Matt
Storage	Store in a cool, dry and frost-free place. Protect from direct sunlight. In the original sealed packaging, shelf life is at least 12 months.
Technical Data	<ul style="list-style-type: none"> ■ Density: Approx. 1.8 g/cm³ ■ Diffusion-equivalent air layer thickness s_{dH_2O}: < 0.14 m as per DIN ISO 7783 class V₁ (high) as per DIN EN 15824 ■ Fire behaviour: A2-s1, d0 as per DIN EN 13501-1 (non-combustible) ■ Consistency: Pasty ■ Vehicle / Binding agent: Silicone resin emulsion, acrylic resin dispersion ■ Water permeability (w-value): ≤ 0.1 kg/(m²·h^{0.5}) as per DIN EN 1062-3 class W₃ (low) as per DIN EN 15824



Product No.

Product-No.	Product	Structure	Grain size (mm)	Approx. consumption (kg/m ²)
626 FREE	Capatect AmphiSilan Fassadenputz	K20, scraped structure	2.0	2.7
626 FREE	Capatect AmphiSilan Fassadenputz	K30, scraped structure	3.0	3.6

The consumption figures are guide values without loss of bulk or shrinkage. Building-dependent or processing-related deviations must be taken into account.

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.

Non-stable paint, emulsion paint or synthetic resin plaster coatings, as well as non-stable mineral coatings must be completely removed. Clean firmly adhering coatings dry or wet.

Clean mold, moss or algae-infested surfaces with pressurized water jets, observing the legal regulations. Wash thoroughly with Capatopx and let the surfaces dry well. Clean surfaces soiled by industrial fumes or soot by means of pressurized water jets with the addition of suitable cleaning agents and in compliance with legal regulations.

Method of Application

Apply the 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. Immediately afterwards rub evenly in a circular motion with a plastic trowel or with a PU board. 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

The key coat Putzgrund 610 has to be tinted in matching colour shade before applying the tinted finishing coat. Allow thorough drying of key/ intermediate coats before further application.

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.

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 applied after just 7 days. Intermediate coat with PutzGrund 610.

Old plasters:

Renewed plaster areas must be well set and dried out. Prime coarse, porous, absorbent, slightly sanding plasters with OptiSilan TiefGrund. Intermediate coat with PutzGrund 610. Use DupaPutzfestiger for heavily sanding, powdery plasters. Intermediate coat with PutzGrund 610.

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.

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.

TECHNICAL INFORMATION NO. 626 FREE

Application Conditions	During processing and in the drying phase, the ambient air and substrate temperatures must not drop below +5°C and be above +30°C. Do not use in direct sunlight, wind, fog or high humidity. With strong air movement on the surface at the time of execution and drying, there is a risk of shrinkage cracks and pore formation in the finishing coat.
Drying/Drying Time	At 20°C and 65% RH: surface-dry after approx. 24 hours. Cured, recoatable and ready for stress after 2 to 3 days. 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 of the finishing coat from rain during the drying phase if necessary. If necessary, the finished surface of the finishing coat must be protected until it is sufficiently weatherproof.
Tool Cleaning	Clean with water immediately after use.
Material Preparation	Stir the material 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).

Advice

Please Note (Status as at Date of Publication)	May cause an allergic skin reaction. 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. Wear protective gloves/ eye protection. IF ON SKIN: Wash with plenty of soap and water. Use dust filter P2 for grinding work. Do not inhale spray mist. Use combination filter A2 / P2. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. 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). Hotline for allergy inquiries and technical advice: 0800/1895000 (free of charge from the German landline network). EU limit value for the VOC content of this product (Cat. A/c): 40 g/l (2010). This product contains <10 g/l VOC.
Disposal	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. EAK 080112.
Giscode	BSW20
Approval	Z-33.41-130 Z-33.43-132 Z-33.44-133 Z-33.47-859 Z-33.43-1523
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 .
Customer Service Centre	Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de International Distribution: Please see www.caparol.com

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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 FREE · Capatect AmphiSilan Fassadenputz · Issued: April 2022