

Capatect AmphiSilan Fassadenputz FEIN

Ready-to-use, dispersion-bound fine finishing coat with silicone resin binder according to DIN EN15824



Product Description

Field of Application

Ready-to-use, structurable silicone resin finishing coat with 1 mm grain size for mineral and organic wall and ceiling surfaces outdoors. Can be used as a fine architrave and facade render in conjunction with the Capatect facade systems.

Material Properties

- Fine structure
- Highly permeable to water vapor
- Water repellent
- Smooth processing
- Can be diluted with water
- Increased protection against fungi and algae infestation

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

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

Technical Data

- Density: approx. 1.8 g/cm³
- Maximum grit size: 1 mm
- Diffusion-equivalent air layer thickness s_dH_2O : < 0.14 m as per DIN EN ISO 7783
- Fire behaviour: A2-s1, d0 as per DIN EN 13501-1 (non-combustible)
- Consistency: Pasty
- Vehicle / Binding agent: Synthetic dispersion and silicone resin
- Water permeability (w-value): $w < 0.5 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$ as per DIN EN 1062-3 class W_2 (medium) as per DIN EN 15824



Product No.

product-no./ name	structure	grain size (mm)	approx. consumption (kg/m ²)
627/ Capatect AmphiSilan Fassadenputz FEIN	fine	1.0	1.5 - 1.8

The consumption figures are guide values without loss of pouring 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.

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 highpressure water jet, in compliance with the regulations. Then use Capatex and allow to dry thoroughly. Clean surfaces contaminated with industrial pollution (factory fumes) or soot by highpressure cleaner and suitable cleaning agent, in compliance with the regulations.

With grain sizes < 2.0 mm an additional pre-treatment of the base coat may be necessary.

Method of Application

Apply the finishing coat with stainless steel trowel or suitable spraying equipment homogeneously to the complete surface and immediately rub down to the grain size. Directly after that treat the K-type renders evenly with a plastic trowel or PU-board, by circularly 'ironing', and texture the R-type materials horizontally, vertically or circularly, as desired. The surface roughness profile 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 particle sizes (nozzle size = grain size x 4). Working pressure: 0.3 to 0.4 MPa (3 to 4 bar). Apply thoroughly an even layer during spray application and avoid overlapping that may be caused by storeys of scaffolding.

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

By using natural aggregates, slight variations in color are possible. Therefore, only use material with the same batch number on contiguous areas or mix materials with different batch numbers beforehand.

Capatect AmphiSilan Fassadenputz FEIN 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 coated after just 7 days. Intermediate coat with PutzGrund 610.

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 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. 627

Application Conditions	Processing temperature: + 5°C to approx. +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. If there is strong air movement on the component 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.
Tool Cleaning	Clean immediately after use with water.
Material Preparation	Stir Capatect AmphiSilan Fassadenputz FEIN 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).
Note	Capatect AmphiSilan Fassadenputz FEIN is equipped with special active ingredients to prevent the formation of fungi and algae on the coating. This depot of active ingredients offers long-lasting, time-limited protection, the duration of which depends on building conditions, such as e.g. the strength of the infestation, the type of vegetation and the moisture load. It is therefore not possible to permanently prevent the growth of fungi and algae.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	Silicone resin plaster, aqueous , with film protection. VOC content in accordance with Directive 2004/42/EC < 20 g/l. Hazard statements/Precautionary statements: Warning. Hazard statements/Precautionary statements: 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. Contains: 2-octyl-2H-isothiazol-3-one, 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. According to European Regulation 528/2012 this product is defined as a "treated article" (not a biocidal product) and contains the following biocidal substances: pyriithione zinc (CAS-No. 13463-41-7), 2-octyl-2H-isothiazol-3-one (CAS-No. 26530-20-1), terbutryn (CAS-No. 886-50-0). Declaration of ingredients according to VdL directive 01 (Germany): polyacrylic resin, silicone resin, calcium carbonate, silicates, titanium dioxide, water, glycols, aliphatics, additives, film preservatives, Preservative.
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	BSW50
Approval	Z-33.41-130, Z-33.43-132, Z-33.44-133, Z-33.47-859 ETA-12/0383, ETA-10/0436
CE Labelling	CE mark according to EN 15824 is placed on the packaging. See sheet for the CE marking 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

Technical Information No. 627 · Issue: February 2021

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.627 · Capatect AmphiSilan Fassadenputz FEIN · Issued: April 2022