

AmphiSilan-Fassadenputze R und K

Ready-to-use, silicone resin-bound textured renders / plasters for facades.



Product Description

Field of Application	<p>Ready-to-use, textured silicone resin-bound renders/plasters. Applicable as finishing coatings for:</p> <ul style="list-style-type: none"> Capatect ETICS / EWI System B Capatect-VHF (Cladding) System Uncoated concrete Mortar layers of mortar groups P II + P III to DIN V 18 550 Sound, matt coatings of dispersion paint Sound existing silicate coatings Unsuitable are substrates showing efflorescence and substrates made of plastic or wood/timber.
Product Properties	<ul style="list-style-type: none"> ■ Fire behaviour: German classification "schwerentflammbar" (hardly combustible - of low flammability) B1 DIN 4102. DIN EN 13 501 ■ Highly water vapour permeable. ■ Weatherproof, water-repellent. ■ Elegant application. ■ Ecologically compatible, low odour. ■ Binder/vehicle: silicone resin. ■ Graded, light-fast pigment-filler-aggregate combination. ■ Water-thinnable. ■ This product is provided with a preservative against deterioration in the coating due to algae and fungal/mildew attack.
Packaging/Package Size	25 kg bucket
Colours	<p>White</p> <p>Can be tinted by the manufacturer according to colour cards CaparolColorSystem or Caparol 3D System plus. Can be tinted via ColorExpress system. Further shades with luminosity ≥ 20 can be tinted on request. (Luminosity < 20 is unsuitable for use on ETICS / EWI systems) Luminosity ≥ 15 can be achieved using reinforcement material CarboNit or CarbonSpachtel.</p> <p>Small quantities can be tinted with CaparolColor or Amphibolin colourants, but max. 2 %, otherwise the consistency will become too low.</p>
Gloss Level	Matt
Storage	Cool, dry, frost-free and protected against direct sunlight.
Technical Data	<ul style="list-style-type: none"> ■ Diffusion-equivalent air layer thickness s_{d, H_2O}: Max. 0.4 m on adhesive Capatect 190 to DIN EN ISO 7783-2 ■ Coefficient of water absorption: $w < 0.2 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$ to DIN EN 1062-3 ■ Consistency: Paste-like



Product No.

Product	Texture	Particle Size (mm)	approx. Consumption (kg/m ²)
AmphiSilan-Fassadenputz R20	corrugated render texture	2.0	2.6
AmphiSilan-Fassadenputz R30	corrugated render texture	3.0	3.5
AmphiSilan-Fassadenputz K15	scratch/plate render texture	1.5	2.5
AmphiSilan-Fassadenputz K20	scratch/plate render texture	2.0	3.2
AmphiSilan-Fassadenputz K30	scratch/plate render texture	3.0	4.1

The exact rate of consumption is best established by a trial coating. This indication does not take into account usage for spilling or loss on site. The figure may also vary according to substrate or application conditions.

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, paragraph 3. Remove unsound coatings of enamels, dispersion paints, synthetic renders/plasters and unsound mineral paint coatings completely. Clean sound, adherent paint coatings dry or wet. Clean surfaces infested with organic growth (mildew/mould, moss, algae attack) with a high-pressure water jet in compliance with the regulations. Then treat the surface with Capatox and allow to dry thoroughly. Clean surfaces contaminated with industrial gases or soot by high-pressure cleaner, adding suitable cleaning agent, in compliance with the regulations.

Method of Application

Apply the textured render/plaster with stainless steel trowel or suitable spraying equipment homogeneously to the complete surface and immediately rub down to the particle/grain size. Directly after that treat the K-type scratch/ plate-texture renders/plasters 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. 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.

Being natural products, the granular materials used in the render/plaster finishes, may occasionally cause slight colour variation in the finished coating. Use only material marked with identical batch numbers or, if utilising material from different batches, mix the entire quantity needed in advance.

Surface Coating System

Priming material Putzgrund 610 -used for first or intermediate coat- must be tinted to match the finishing coat in shade, provided that a tinted finishing coat has to be applied. Allow first or intermediate coats to dry before any further application.

Capatect-ETICS/EWI System B and Capatect-VHF (Cladding) System:

New mineral mortars (reinforcement layers):
Prime with Putzgrund 610.

New cement-free reinforcement layers:

No priming coat required.

Prime weathered reinforcement layers (e.g. after winter period) with Putzgrund 610.

Rendering of Mortar Groups P II and P III:

New renders/plasters can normally be coated after having cured for a sufficiently long time (at 20 °C and 65% relative humidity: 2 weeks). Respect correspondingly longer idle periods in case of adverse weather conditions, e.g. influenced by wind or rain. An additionally applied priming coat of CapaGrund Universal minimizes the risk of calcareous efflorescence and the render / plaster coating may be coated after having respected a waiting time of 7 days.

Existing Renders / Plasters:

Allow repaired areas to cure and dry thoroughly. Apply a priming coat of OptiGrund E.L.F. on highly porous, absorbent and slightly sanding surfaces. Apply an intermediate coat of Putzgrund 610. Apply a priming coat of Dupa-grund on highly sanding, chalking surfaces. Apply an intermediate coat of Putzgrund 610.

Uncoated Concrete:

Concrete surfaces with deposits of dirt or fines / sintered layer, must be cleaned mechanically or with high-pressure cleaner, in compliance with the regulations. Apply a priming coat of OptiGrund E.L.F. on highly porous, slightly sanding or absorbent surfaces. Prime chalking surfaces with Dupa-grund. Apply an intermediate coat of Putzgrund 610.

Matt, Sound Dispersion Paint Coatings:

Matt, slightly absorbent coatings may be coated without any pre-treatment. Clean existing soiled, chalking layers with high-pressure cleaner, in compliance with the regulations. Apply a priming coat of Dupa-grund, when other cleaning methods are used (washing or brushing off). Apply an intermediate coat of Putzgrund 610.

Sound Silicate Paint Coatings:

Coat with Sylitol or AmphiSilan materials.

Cracks in Plasters/Renders & Concrete:

Coat with Cap-elast.

Application Conditions

The temperature for material, substrate, water and ambient air should not fall below + 5 °C and not exceed approx. 30 °C during application and drying period. Do not apply in direct sunlight, during strong wind, fog, high relative humidity, and imminent rain or frost.

Drying/Drying Time

At 20 °C and 65% relative humidity surfacedry after approx. 24 hours. Completely dry, recoatable and ready for stress after 2 to 3 days.

The render/plaster dries physically, i.e. by evaporation of water. Lower temperatures and higher relative humidity extend the drying times. If necessary, cover the scaffoldings with tarpaulins to protect the surface from rain during the drying phase.

Tool Cleaning

Cleaning of Machines & Tools Clean immediately after use with water. Do not apply AmphiSilan façade renders/ plasters on horizontal surfaces exposed to rain or moisture.

Material Preparation

Stir the material thoroughly with a low-speed electric stainless steel paddle. If necessary adjust to working consistency with tap (potable) water, max. 1 % if manually applied, and max. 2 % for spray application.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Harmful to aquatic organisms, may cause longterm 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, water courses or onto the ground. If swallowed, seek medical advice immediately to avoid harm to the intestinal bacteria. In case of spray application: Do not breathe spray dust.

Disposal

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 of containers with residues of liquid material as remnants of water-based paints and dried material as dried paints waste or via domestic waste. European Waste Code (EWC) 08 01 12

Risk and Transportation Markings

See Material Safety Data Sheets (MSDS). See also Product Data Sheets:
Nr. 160 Cap-elast
Nr. 659 Putzgrund 610
Nr. 195 Sylitol-Fassadenfarben
Nr. 145 AmphiSilan
Nr. 295 Sylitol Modellier- und Spachtelputz
Nr. 652 Dupa-grund
Nr. 660 OptiGrund E.L.F

Product Code Paints and Enamels

M-SF01 F

Other Notes

AmphiSilan-Fasadenputz contains micro-biocides to prevent fungus and algae on the facade. This depot provides a long lasting, but not a temporary unlimited protection. The duration of the effect depends on project conditions (eg intensity of infestation, exposure to moisture, weather proofing).

Customer Service Centre

Tel.: (+49) 0 61 54 / 71 17 10
Fax: (+49) 0 61 54 / 71 17 11
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 · AmphiSilan-Fassadenputze
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