

FibroSil

Coating-fleece for reworking render/plaster cracks – texture equalising. Fibre-reinforced crack priming coat for exteriors and interiors – diffusion capable – Recoatable with dispersion and silicone resin emulsion paints.



Product Description

Field of Application	<p>FibroSil is a crack-clogging (filling) coating material. Suitable for reworking render/ plaster surfaces and existing, sound dispersion coatings. FibroSil can be coated with dispersion paints, such as Muresko, Amphisol or with silicone-resin paints, e.g. AmphiSilan or ThermoSan.</p> <p>For interiors, FibroSil can be used as fine structured coating and can be over-coated with all Caparol interior dispersion paints as well as with Deco-Lasur for matt or gloss finishes.</p>
Material Properties	<ul style="list-style-type: none"> ■ Crack-clogging according to BFS Data Sheet No. 19. ■ Equalising. ■ Adhesion promoting on smooth surfaces. ■ Easy to apply. ■ Water-thinnable and low odour.
Material Base / Vehicle	Synthetic resin dispersion according to DIN 55 945, fibre-reinforced.
Packaging/Package Size	25 kg
Colours	<p>White</p> <p>Can be tinted up to 5 % with CaparolColor or AVA · Amphibolin colourants / full-tone and tinting paints.</p> <p>FibroSil can be tinted via the ColorExpress tinting machine system according to all current colour collections/schemes in bright tones up to luminosity 70 (approx.).</p>
Gloss Level	Matt, G ₃
Storage	Cool, but frost-free.
Technical Data	Characteristics according to DIN EN 1062:



Supplementary Product

- Maximum particle (grit) size: < 1500 µm, S₃
 - Density: Approx. 1.45 g/cm³
 - Dry film thickness: 200–400 µm, E₄
 - Water permeability (w-value): (w-value): ≤ 0,1 [kg/(m² · h^{0.5})] (low), W₃
 - Crack bridging classes: **Rißüberbrückung Anstrichaufbau:**
1 x 800 g/m² FibroSil (als Grund- bzw. Zwischenbeschichtung), Klasse: A1 (> 100 µm)
 - Water vapour permeability (sd-value): (sd-value): ≥ 0,14 – < 1,4 m (medium), V₂
Tinting may cause variations.
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- PermaSilan
 - AmphiSilan
 - ThermoSan
 - Muresko SilaCryl
 - Amphisil

Application

Suitable Substrates

The substrate must be sound, dry, clean, and free from all materials that may prevent good adhesion. In Germany: Follow VOB, Part C, DIN 18 363, paragraph 3.

Substrate Preparation

Renders/Plasters Class P II Lime-Cement Mortars Class and P III Cement Mortars:
New renders/plasters must be left untreated for a sufficiently long time, normally for 2 weeks at 20 °C and 65% relative humidity. Adverse weather conditions, influenced e.g. by wind or rain, extend the curing process and correspondingly longer holding times must be respected.

Existing renders/plasters: Repairs must have adequate time to cure and dry. Apply FibroSil, diluted max. 5%, on firm render/plaster with normal absorbency. Prime highly absorbent render/plaster with OptiGrund E.L.F. or CapaSol LF. Prime highly sanding or powdery/chalking surfaces with Dupagrund.

Concrete:

Remove contamination (soil debris), remnants of release agents or fines layer mechanically or by high pressure water jet in compliance with the regulations. On slightly absorbent or smooth surfaces, apply FibroSil diluted max. 5% with tap (potable) water. Prime highly absorbent surfaces with OptiGrund E.L.F. or CapaSol LF. Prime powdery/chalking surfaces with Dupagrund.

Sound Dispersion Paint Coatings:

Clean soiled, chalking existing coat by high pressure water jet, manual washing or other suitable means, in compliance with the regulations. Apply FibroSil thinned max. 5% with CapaSol LF

Firm/Solid, Sound Synthetic Resin-Bound (Organic) Renders/Plasters:

Clean existing renders/plasters by suitable methods. In case of wet cleaning allow the surface to dry well before any further treatment. Apply FibroSil diluted max. 5% with tap water.

Surfaces Infested with Organic Growth (Fungi/Mildew, Algae):

Remove mildew or algae infestation by wetcleaning, in compliance with the regulations. Treat with Capatox or FungiGrund and allow to dry well.

Surfaces with Salty Efflorescence:

Remove salty efflorescence thoroughly by dry wire brushing and prime with Dupagrund. Coating of such surfaces must be considered a risk for which we cannot accept responsibility, since even after the most thorough treatment the efflorescence may recur.

Defects:

Damages up to 20 mm deep should be repaired with Histolith-Renovierspachtel. Prime the repaired areas. Follow Technical Information No. 1029. Interior Surfaces: Pretreat or prime the substrate in accordance with our Technical Information No. 650 "Substrates and their Preparation", depending on substrate requirements.

Method of Application

The material can be applied by brush or paint roller. On smooth substrates brush application in cross coat technique (crosswise) is advisable, in order to achieve a uniform surface texture. Rollers should preferably be used on textured substrates, e.g. corrugated renders/plasters (R type). Stir up well before use. Clean tools immediately after use with water.

Surface Coating System

Priming or Intermediate Coat:

FibroSil diluted up to 5% with tap water. An additional intermediate coat of FibroSil can be applied, if required.

Finishing Coat:

Exteriors optionally with AmphiSilan, Muresko, Amphisil, PermaSilan or ThermoSan (follow Technical Information). Can be coated interiors with all Caparol interior dispersion paints or with Deco-Lasur matt or glossy.

Consumption	Approx. 600 – 800 g/m ² per coat on smooth substrates. On rough-textured surfaces correspondingly more. The exact rate of consumption is best established by a trial coating.
Application Conditions	Minimum Temperature for Application and Drying: +5 °C for material, substrate and ambient air.
Drying/Drying Time	At +20 °C and 65% relative humidity: surface-dry and recoatable after 12 hours. Completely dry and ready for stress after approx. 3 days. Lower temperatures and higher humidity extend the drying time.
Note	Do not apply on sun heated substrates, during strong wind, fog or rain, high relative humidity or imminent rain and frost. Do not apply on horizontal surfaces exposed to rain/water. Facades in special climatic conditions (high degree of moisture) or subjected to a higher influence of atmospheric exposure: It is recommended to apply our special products, e.g. ThermoSan, Amphibolin-W, Duparol-W or PermaSilan with special algicidal and fungicidal agents to counteract/delay the forming of organic growth (fungi & algae).

Advice

German Certificates	<ul style="list-style-type: none"> ■ FibroSil Prüfzeugnis Schlußanstrich AmphiSilan-Fassadenfarbe Bestimmung der Wasserdampfdiffusionstromdichte und der Wasserdurchlässigkeitsrate ■ FibroSil Prüfzeugnis Schlußanstrich Muresko Bestimmung der Wasserdampfdiffusionstromdichte und der Wasserdurchlässigkeitsrate
Please Note (Status as at Date of Publication)	Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water. Do not empty into drains, water courses and onto the ground. Further information: See Material Safety Data Sheets.
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 containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.
EU limit value for the VOC content	dieses Produktes (Kat. A/a): 30 g/l (2010). Dieses Produkt enthält max. 30 g/l VOC.
Product Code Paints and Enamels	M-GP01
Substances of Content - Declaration	Polyvinyl acetatyle resin dispersion, titanium dioxide, calcium carbonate, silicates, water, film forming agent, additives, preservative.
Further Details	See Material Safety Data Sheets.
Technical Assistance	As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.
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

Technical Information No. 166 · Issue: July 2011

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. 166 · FibroSil · Issued: January 2010

DAW International Business: **Deutsche Amphibolin-Werke von Robert Murjahn Stiftung & Co KG** · P.O.B. 1264 · D-64369 Ober-Ramstadt · Tel. +49 6154 71-1274
Fax +49 6154 71-1264 · E-mail export@daw.de · Internet www.caparol.com