

Type of material

FAKOLITH FK 1 is a dispersion facade paint based on 100% pure acrylate with high resistance to weather conditions such as rain, wind and UV radiation. The application of a modern BIO.FILM.STOP technology protects the highly resistant paint film from infestation by mold and algae.

Properties



- ° Wet abrasion resistance: Class 1
- ° Opacity class 1 (< 5 m<sup>2</sup>/L / C1)
- ° SD-value = 0.27 m (V<sub>2</sub>)
- ° W-value = 0.08 (W<sub>3</sub>)
- ° Low odor
- ° Excellent adhesion

**Tested adhesion**

Excellent adhesion (adhesive pull on glazed brick 80-100 kg/cm<sup>2</sup> UNE-EN ISO 4624-2002 with cross cut class 1 UNE-EN ISO 2409:2007). High resistance to weathering, UV rays, carbonation and alkaline substrates.

**BIO.FILM.STOP Technology**

The selected combination of high-quality binder, pigment, mineral fillers and active ingredients creates a paint film with high qualitative and quantitative resistance to algae, mold and bacteria. The BIO.FILM.STOP technology has a preventive effect in the reversible phase.

Areas of application

FAKOLITH FK 1 is recommended for use as a facade coating with film protection against mold, algae and moss infestation, especially for buildings located at the edge of forests or near rivers or lakes. Also as a ceiling and wall coating in parking garages.

FAKOLITH FK 1 is characterized by very good adhesion to many substrates, high resistance to mold, algae and moss infestation and maximum weather resistance.

Substrates

Substrate preparation in accordance with the German Construction Contract Guidelines (VOB). Substrates must be dry and free from contamination and separating substances. Observe German Construction Contract Guidelines (VOB), Section C, DIN 18363, part 3. The Substrate pre-treatment depends on the substrate:


- **Concrete:**  
If necessary, remove release agent residues with FAKOLITH FK 11 Cleaner. Remove sanding substances and pretreat substrate with FAKOLITH FK 16 Deep Primer.
- **Mineral plasters:**  
Prime with FAKOLITH FK 16 Deep Primer or DISPERLITH PRIMER.
- **Algae and mold infested substrates:**  
Clean with FAKOLITH FK 12 diluted 1:4 with water. Then apply FAKOLITH FK 14 aqueous antifungal solution generously. After cleaning, check substrate for strength and, if necessary, apply FAKOLITH FK 16 deep primer.

As an alternative to FAKOLITH FK 14 Antifungal and FAKOLITH FK 16 Deep Primer, DISPERLITH PRIMER can be used. Processing of DISPERLITH PRIMER from +4°C.

- **Substrates with other soiling, e.g. soot:**  
Clean with FAKOLITH FK 11 diluted 1:20 with water. After cleaning, check substrate for strength and, if necessary, apply FAKOLITH FK 16 Deep Primer.
- **Coatings that are not load-bearing:**  
Remove and clean substrate. Apply FAKOLITH FK 16 Deep Primer or DISPERLITH PRIMER.
- **Load-bearing emulsion paints:**  
Check the strength of the old coating(s). Clean substrate. If necessary, solidify chalky surfaces with FAKOLITH FK 16 Deep Primer or DISPERLITH PRIMER.

Please read the technical information and safety datasheets before application. Observe substrate moisture, check the strength of the old coatings by means of cross-cutting and clarify the spatial/temporal conditions on the object.

Processing	Stir FAKOLITH FK 1 well. Application by brush, roller or airless spraying. For spray application we recommend the following setting: Nozzle = 5/17. Spray pressure 200bar. Application: 5 % diluted with water.
Binder	Pure acrylate
VOC content	Category: a/c (BA) Maximum 30 g/l VOC (Directive 2004/42/EC) The product contains max. 30 g/l VOC
Pigmentation	Titanium dioxide rutile
Density	(23°C ±0.5): 1.44 ±0.02 g/cm <sup>3</sup>
Flash point	Not applicable
Viscosity	(ASTM 3, 250 upm at 23°C ±0.5): 1750 mPa - s. ± 250
Solid materials	65% ± 2%
Gloss level	Matt (DIN EN 13 300)
P.V.C.	77% (pigment volume concentration)
Colour shade	White (DIN EN 13 300)
Tinting	Tinting ex works possible on request.
Tinting paste	With concentrated binder-free color pastes, e.g. Mixol up to a maximum of 3%.
Consumption	Total 250 ml/m <sup>2</sup> . Application in 2 layers.

Dilution	Dilute primer coat with water up to max. 5%. Apply the final coat undiluted.
Drying time	As a rule, from 2 to 3 hours per working cycle (+20°C and 60% relative humidity). The ambient temperature and humidity determine the drying time. Reworking after dulling of the paint.  -Open time (125 µm) at 25°C, 70%RH = 25min -Open time (125 µm) at 10°C, 60%RH = 45min
Application temperature	Generally +6°C (50% RH) for the paint surface and ambient temperature (TG = -4.7°C - 0°C MMFT). Maximum humidity: 80%.
Compatibility	Do not mix with other colors.
Storage	24 months in a closed container. Do not store at temperatures below 5°C or above 30°C.
Container	5 and 12.5 liter buckets
Occupational safety	For proper handling, read the Safety Datasheet, use your personal protective equipment and take the prescribed measures.
Disposal	For disposal, observe local regulations. Dispose of liquid component in a suitable incinerator. The product can be disposed of with household waste after curing.
Note	A successful renovation requires professional planning and detailed documentation. For this purpose, we offer you the "FAKOLITH Checklists" as well as object-related "Renovation Concepts". The documents are available on the Internet at <a href="http://www.fakolith.de">www.fakolith.de</a> . Our application technology department will be happy to provide you with personal advice.
Safety Datasheet	

**LEGAL NOTICE:**

The companies FAKOLITH Farben GmbH and FAKOLITH Chemical Systems S.L.U. are certified according to the quality management system DIN EN ISO 9001:2015 by TÜV Rheinland Cert, Cert. No. 01100071679/01.

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