

Type of material

Vapor diffusion-open pure acrylic dispersion paint with BLUE-BIO.FILM.STOP technology. Especially recommended for ceilings and walls in living and sanitary areas as well as storage rooms in the food industry. The modern BLUE-BIO.FILM.STOP technology protects the paint film against the infestation of mold and bacteria.

Properties



- Surface protection against mold, virus and bacteria infestation by tested BLUE-BIO.FILM.STOP technology (DIN EN 15457:2014-11, ISO 21702:2019-05, ISO 22196:2011-08).
- Wet abrasion resistance: Class 2
- Contrast ratio: Opacity class 1 ( $< 3.7 \text{ m}^2/\text{L}$ )
- SD-value = 0.07m ( $V_1$ )
- W-value= 0.27 ( $W_2$ )
- Low odor
- Vapor diffusible
- Washable

**BLUE-BIO.FILM.STOP Technology**

The selected combination of active substances creates a paint film with high qualitative and quantitative resistance to viruses, bacteria and fungi. The tests were carried out in accordance with DIN EN 15457:2014-11 (testing the effectiveness of film protection - Aspergillus, Cladosporium, Penicillium), ISO 21702:2019-05 (measuring antiviral activity on plastics - Feline coronavirus, Strain Munich) and ISO 22196:2011-08 (measuring antibacterial activity on plastics - Escherichia coli, Listeria monocytogenes, Bacillus subtilis, Pseudomonas aeruginosa). BIO.FILM.STOP technology has a preventive effect in the reversible phase. The formation of a biofilm on the surface of the coating is demonstrably inhibited by BioFilmStop prophylaxis.

FAKOLITH FK 5 with BLUE-BIO.FILM.STOP technology complies with the food hygiene requirements of Regulation (EC) 852/2004, Chapter II, "Special provisions applicable to rooms where food is prepared, treated or processed."

Areas of application

FAKOLITH FK 5 is especially suitable for applications

- in the living area
- in sanitary area
- in storage and production areas of the food industry
- in bakeries
- in salesrooms for food
- in the pharmaceutical industry

Thanks to BIO.FILM.STOP technology, the protected color film offers maximum sterility for ceilings and walls in living, sanitary and food areas with low to medium moisture loads.

In areas with higher moisture load, e.g. refrigerated storage and production rooms with condensation and occasional wet cleaning, we recommend FAKOLITH FK 10. For damp rooms where food is produced and the painted surfaces are cleaned daily, we recommend the highly durable dispersion paint DISPERLITH ELASTIC.

## 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.
- **Mold and bacteria 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.

- **Yeast and bacteria infested substrates:**  
Clean with FAKOLITH FK 39. Then apply FAKOLITH FK 14 aqueous antifungal solution. After cleaning, check substrate for strength and, if necessary, apply FAKOLITH FK 16 deep primer.

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

- **Substrates with soiling due to grease, oil, 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 5 well. Application by brush, roller or airless spraying. For spray application we recommend the following setting:  
Nozzle = 5/17. Spray pressure 200bar. Application: Dilute 5% with water.

## Binder

Pure acrylate

## VOC content

Category: a (Wb)  
Maximum 30 g/l VOC (Directive 2004/42/EC).  
The product contains max. 30 g/l VOC.

Pigmentation	Titanium dioxide rutile
Density	Density (23°C ±0.5): 1.65 ±0.02 g/cm³.
Flash point	Not applicable
Viscosity	Viscosity (ASTM 3, 250 upm at 23°C ±0.5): 1750 mPa - s. ± 250
Solid materials	70% ± 2%
Gloss level	Matt (DIN EN 13 300)
P.V.C.	77% (pigment volume concentration)
Colour shade	White.
Tinting	Tinting ex works on request.
Tinting paste	With concentrated binder-free color pastes, e.g. Mixol up to a maximum of 3%.
Consumption	Approx. 250 ml/m². Consumption depends on the structure and absorbency of the substrate. Application in 2 layers.
Dilution	Dilute primer coat with water up to max. 5%. Apply the final coat undiluted.
Drying time	Drying time between coats 3h, completely dry after approx. 24h (20°C/ 60% rel. air). Lower temperatures, high humidity and low air circulation extend the drying times.
Application temperature	Minimum processing temperature +10°C. Maximum humidity 70%.
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	1.25-, 2.5-, 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	Dispose of contents / container in accordance with local / regional / national / international regulations.
Note	A successful renovation requires professional planning and comprehensive documentation. We can offer you the "FAKOLITH Checklists" and the property-related "Renovation Concepts" for this purpose. These documents are available on the internet at <a href="http://www.fakolith.de">www.fakolith.de</a> . Our consultants would be very happy to offer you a personal consultation.

Use biocides safely. Always read label and product information before use.

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.



Management  
System  
ISO 9001:2015

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