

Type of material

Aqueous dispersion paint for interiors. The hygienic paint with BLUE-BIO.FILM.STOP technology provides good protection against microbial infestation in interiors where the highest demands are made on hygiene.

DISPERLITH BASIC is particularly recommended for use in storage rooms in food production, where increased condensation in the ceiling and wall area is to be expected in phases in the area of thermal bridges.

Properties



- Surface protection against mould, virus and bacteria infestation with tested BLUE-BIO.FILM.STOP technology (DIN EN 15457:2014-11, ISO 21702:2019-05, ISO 22196:2011-08).
- Wet abrasion resistance: Class 1
- Contrast ratio: Opacity class 1 (< 4.2 m²/L)
- SD value = 0.09 m (V₁), high vapor diffusion
- W-value = 0.30 kg / (m² x h^{0.5}), W₂
- Low odor
- Washable
- Highly vapor diffusible

In the case of a phased increase in humidity indoors, the paint film of DISPERLITH BASIC provides good protection against microbial infestation (mold / bacteria / yeasts). Due to the high vapor diffusion of the paint, condensation on the surface is significantly reduced in the case of an absorbent substrate.

BLUE-BIO.FILM.STOP technology

The selected combination of active substances creates a paint film with high qualitative and quantitative resistance to fungi, viruses and bacteria. 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.

DISPERLITH BASIC 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

DISPERLITH BASIC is particularly suitable for use in

- Rooms with short-term increased air humidity
- Storage and production areas of the food industry
- Bakeries
- Sanitary rooms, changing rooms

and other areas with a high demand on hygiene.

Further recommendation:

In rooms with a medium to high moisture load, we recommend the products

DISPERLITH INDUSTRY or DISPERLITH ELASTIC.

For clean rooms or substrates that are in direct contact with e.g. food or pharmaceuticals, we recommend our products DISPERLITH FOODGRADE, FK 45 FOODGRADE, FK 100 FOODGRADE and FAKOPUR FOODGRADE, tested according to VO (EG) 1935/2004, VO (EG) 1895/2005, VO (EG) 2023/2006, VO (EU) 10/2011, VO (EU) No. 1282/2011 for direct contact with food. If you have any questions, please contact our technical department

HACCP



FAKOLITH Chemical Systems is an associate member of the CNTA and a participating partner in official R&D projects that relate to technically high-quality coatings for the food industry and the health care sector.

FAKOLITH Chemical Systems is registered both in the Health Registry for the food sector in the Spanish province of Catalonia (Registro Sanitario de Industrias y Productos Alimenticios de Cataluña, RSIPAC) under number 39.05377/CAT and also in the Spanish health recording system of the food industry (Registro General Sanitario de Empresas Alimentarias y Alimentos, RGSEAA) under number ES-39.005259/T. As part of implementing our in-house HACCP concept, FAKOLITH Chemical Systems guarantees we manufacture qualitatively flawless products. The traceability of production is guaranteed in accordance with Regulation (EU) 1935/2004/EC.

FAKOLITH Farben GmbH and FAKOLITH Chemical Systems have been certified since 2006 under the DIN EN ISO 9001:2008 quality management system. Cert. no. 01100071679/01.

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 any release agent residues with FAKOLITH FK 11 Cleaner. Remove any crumbling substances and pre-treat the substrate with FAKOLITH FK 16 Primer.
- **Mineral plasters:**
Prime coat with FAKOLITH FK 16 Primer or DISPERLITH PRIMER.
- **Substrates contaminated with moulds and bacteria:**
Clean with FAKOLITH FK 12, diluted 1:4 with water. Then, coat well with FAKOLITH FK 14 aqueous anti-fungal solution. Clean the substrate and then test for stability and apply FAKOLITH FK 16 Primer if necessary.

The DISPERLITH PRIMER primer coat can be used as an alternative to FAKOLITH FK 14 Anti-fungal and FAKOLITH FK 16 Primer. DISPERLITH PRIMER can be used above +4°C.

- Substrates contaminated with **yeasts and bacteria:**
Clean with FAKOLITH FK 39. Then, coat well with FAKOLITH FK 14 aqueous anti-fungal solution. Clean the substrate, then test for stability, and apply FAKOLITH FK 16 Primer if necessary.

The DISPERLITH PRIMER primer coat can be used as an alternative to FAKOLITH FK 14 and FAKOLITH FK 16. DISPERLITH Primer can be used above +4°C.

- Substrates with **impurities of grease, oil, soot:**
Clean with FAKOLITH FK 11, diluted 1:20 with water. Clean the

substrate and then test for stability and apply FAKOLITH FK 16 Primer if necessary

- **Unstable coatings:**
Remove and clean substrate. Apply FAKOLITH FK 16 Primer or DISPERLITH PRIMER.
- **Stable emulsion paints:**
Test the stability of the old coating(s). Clean substrate. If necessary, strengthen chalking surfaces with FAKOLITH FK 16 Primer or DISPERLITH PRIMER.


Please read the technical information and safety data sheets before working with the product. Observe the dampness of the substrate, check the stability of the old coatings by making a cross-cut and clarify the spatial/time conditions at the location.

Implementation of renovation and maintenance work in areas used for industrial purposes requires well-founded planning. Before starting the work, we recommend that you enquire about the individual requirements for the coating and clarifying the conditions on site before starting work:

- Which cleaning agents will be used at what concentration and temperature, and how frequently will they be applied during the daily production process?
- How high will the temperatures/the air humidity be while the renovation work is being carried out?

We recommend detailed coordination of the work, taking into account the processing conditions and the drying periods that are expected. When does the production start up again? What level of moisture load is to be expected, and when will the first cleaning of the renovated section be carried out?

Processing	Application by brush, roller or airless spraying. We recommend the following settings for spray processing: Nozzle = 5/17. Spray pressure 200 bar. 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/cm ³
Flash point	Not applicable
Viscosity	Viscosity (ASTM 3, 250 rpm, at 23°C ± 0.5): 1750 mPa·s. ± 250
Solid materials	70% ± 2%
Gloss level	Matt (DIN EN 13300)

P.V.C.	77 % (pigment volume concentration)
Colour shade	White. Tinting ex works on request.
Tinting pastes	With dye concentrates such as Mixol up to max. 3 %.
Consumption	Approx. 250 ml/m ² . Consumption depends on the structure and absorbcency of the substrate. Application in 2 layers.
Dilution	DISPERLITH BASIC is an aqueous product supplied ready for use. The first coat can be diluted up to 5% with water.
Drying time	Drying time between coats approx. 3h, completely dry after approx. 24h (20°C/ 60% relative humidity). - Open time (125 µm) at 20°C, 30% relative air humidity = 25min - Open time (125 µm) at 10°C, 65% relative air humidity = 45min
Application temperature	From +10 °C, both for the substrate and for the ambient temperature (T _G = 3.6°C - MMFT 0°C). Maximum humidity during application 70%. Pay attention to condensation, especially on metallic substrates.
Compatibility	Do not mix with other colors.
Storage	24 months in a closed container in a cool environment. Do not store at temperatures below +5 °C or above 25 °C. After opening the package, use the contents.
Container	5 and 12.5 liter plastic containers
Occupational safety	An exclusive product for professional use. Read safety datasheets to learn about correct handling, wear personal protective clothing, and take the necessary measures.
Disposal	Disposal of the 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 www.fakolith.de . Our consultants would be very happy to offer you a personal consultation.
Safety Data Sheet	

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.



This technical information and recommendation regarding the processing and use of the product is based on our current knowledge and experience using standard situations and the use of the product within the shelf life. This information does not release the buyer and/or user from the obligation to determine whether our offer, recommendation or the technical quality and characteristics of our products meet their specific requirements. FAKOLITH reserves the right to update the characteristics and specifications of the products. Updated editions will be published at www.fakolith.de. An updated edition of this document invalidates the previous version (see date of creation).

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