

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 m²/L)
- SD-value = 0.07m (V₁)
- W-value= 0.27 (W₂)
- 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.

DISPERLITH 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

DISPERLITH 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 DISPERLITH 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.

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| Substrates | <p>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:</p> <ul style="list-style-type: none"> • 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. <p>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.</p> |
| Processing | <p>Stir DISPERLITH 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.</p> |
| Binder | <p>Pure acrylate</p> |
| VOC content | <p>Category: a (Wb) Maximum 30 g/l VOC (Directive 2004/42/EC). The product contains max. 30 g/l VOC.</p> |

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| 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 www.fakolith.de . 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.



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Technical Information 12.10.2021FE

Type of material

Acidic cleaning concentrate for cleaning substrates affected by mould, bacteria, algae and green coatings as well as for dissolving salts harmful to the building from the front masonry. Limescale remover with a broad spectrum of action.

FAKOLITH FK 12 is suitable for indoor and outdoor use, neutralises odours and delays the formation of new bacteria.

Properties

For the treatment of mould and bacteria-infested substrates indoors. FAKOLITH FK 12 is especially recommended for the application:

- in the living area,
- in public buildings,
- in the production, cooling and storage room of the food industry,
- in sanitary facilities,
- in the wellness and sauna area

as well as outdoors for the removal of green film and red algae infestation on facades, balconies, terraces, wooden fences, shingle facades.

Intensive cleaning of the substrate with FAKOLITH FK 12 is important to open the pores of the substrate. Due to the surfactant effect of FAKOLITH FK 12, the cleaner penetrates deep into the substrate. The cellular protective layer of the microorganism is attacked by cleaning the substrate with FAKOLITH FK 12. This process optimises the effect of a subsequent treatment of the substrate with FAKOLITH FK 14 Antifungal or FAKOLITH FK 7.

Areas of application

Mould remediation

For cleaning mould, algae and bacteria infested substrates indoors and outdoors. FAKOLITH FK 12 is particularly recommended in combination with the products FAKOLITH FK 14 ANTIPILZ, DISPERLITH PRIMER and FAKOLITH FK 16 as the first measure for substrate remediation in case of mould infestation.

Salt efflorescence

FAKOLITH FK 12 activates the transport of salts harmful to the building from the front masonry to the surface, where they can be washed off. The cleaning of salt efflorescence with FAKOLITH FK 12 pure is particularly recommended for the subsequent application of FAKOLITH FK 7 as substrate pre-treatment.

Limescale cleaning

Diluted pure up to 1:1 with water, FAKOLITH FK 12 reliably dissolves limescale deposits from the substrate.

Substrates

Concrete, old coatings, mineral plasters, synthetic resin plasters, natural stones, tiles, clinker, wood. Wet wood only for a short time to avoid discolouration of the substrate. Protect uncoated metals. FAKOLITH FK 12 may have a corrosive effect, depending on the concentration, exposure time and condition of the metal. A sample application is recommended.

Substrate preparation

Remove green coatings outdoors mechanically, sweep off existing salt efflorescence. Do not clean mould-infested substrates indoors when they are dry in order to prevent spores from flying.

Processing

Mould remediation

To clean substrates affected by mould, algae and spores, apply/spray on FAKOLITH FK 12 diluted with water in a ratio of 1:2 - 1:5, allow to react for 10-15 minutes and rinse well with clear water. In interior areas, wash off the substrate with a sponge and clear water. Warm solutions increase the cleaning effect.

In the 500 ml spray bottle the FAKOLITH FK 12 is already diluted and thus ready for use in mould remediation.

Salt efflorescence

Sweep off existing salts. For cleaning salt efflorescence in masonry, apply FAKOLITH FK 12 undiluted, allow to act for 10 minutes. Then rinse well with sufficient clear water. After the first cleaning with FAKOLITH FK 12, the escaping moisture may transport salts and residues damaging the building substance from the substrate to the surface. In this case, repeat the cleaning process.

Limescale cleaning

Apply FAKOLITH FK 12 diluted 1:1 with water to the substrate to be cleaned, allow to react for 2-3 minutes, clean mechanically with the sponge/brush and then wash off with clear water. FAKOLITH FK 12 reliably dissolves lime deposits from the substrate.

Application method: With a sponge, brush or by spraying.

Always protect marble and bare metals from contact! Use on marble only after laying samples. Check substrates or old coatings for strength after cleaning.

No special waiting times are foreseen before reworking FAKOLITH FK 12. For the subsequent application of FAKOLITH FK 14 or FAKOLITH FK 7, the substrate may have a slight residual moisture, but must not be saturated wet.

Waiting time after application

The room can be used again immediately after application if well ventilated.

Density at 25°C

Approx. 1.04

PH value

Approx. 2.5

Ingredients

Surfactants, formic acid: concentrate = 9.9%, spray = 3.3%.

Flash point

Not applicable

Colour shade

Transparent

Consumption

Depending on application purpose and intensity of infestation

Dilution


Water, do not mix with other products

Application temperature

Application temperature from +2°C. Application at temperatures >10°C and additional mixing of FAKOLITH FK 12 with warm water increases the cleaning effect.

Storage

2 years (closed containers), store in a cool and frost-free place.

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| Container | 500 ml spray bottle, 1, 5, 10 litre canisters |
| Occupational safety | For correct handling, read the safety data sheet, use your personal protective equipment and take the prescribed measures. |
| Disposal | Dispose of in accordance with official regulations. Only empty containers should be recycled. |
| Note | <p>Wear rubber gloves and protective goggles. Keep out of the reach of children. In case of contact with eyes, rinse thoroughly with water and seek medical advice. Do not inhale vapour. In case of accident or if you feel unwell, seek medical advice immediately. Follow the instructions on the label. Request safety data sheet.</p> <p>Use biocides safely. Always read the label and product information before use. Do not allow undiluted residues or large quantities to enter drains/water courses or the soil.</p> |
| Safety datasheet |  |

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Technical information 10.12.2021FE

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| Type of material | Aqueous, odourless antifungal solution for reliable sanitation of the substrate in case of deep-seated bacteria, germs, spores, fungi, yeasts and algae. FAKOLITH FK 14 is suitable for indoor and outdoor use. |
| Properties | <p>Can be used and recommended as a problem solver in living spaces and in the damp areas of the food industry.</p> <p>Due to its surface-active properties, it has a strong wetting effect, penetrates deeply into the microorganisms and destroys the microcell. In the case of algae, an optical discolouration may occur after the application of FAKOLITH FK 14 due to the escaping chlorophyll. After the substrate has dried, this area can be painted over without the risk of bleeding through.</p> <p>Due to the high efficiency and excellent penetration depth of FAKOLITH FK 14, chipping off the plaster base is usually not necessary. The use of active chlorine in the antifungal solution FAKOLITH FK 14 is expressly waived. When properly applied, the substrate is reliably remediated without bleaching the surface.</p> |
| Areas of application | <p>For the treatment of substrates affected by bacteria, germs, fungi, algae, yeasts and spores in living areas and damp rooms. FAKOLITH FK 14 is recommended for the application of</p> <ul style="list-style-type: none"> ■ the living area, ■ in public buildings and kindergarten, ■ in the production, cooling and storage room of the food industry, ■ in the hospital, in the doctor's office, in the retirement home, ■ in sanitary facilities, ■ in the wellness and sauna area <p>as well as for the removal of green and red algae infestation on masonry, facades, balconies, terraces, wooden fences, shingle facades, etc.</p> |
| Substrates | All absorbent substrates. Not suitable are e.g. substrates made of plastic, silicone, polyurethane, epoxy resin coatings. Substrates damaged due to water damage, e.g. sheetrock, gypsum plaster, wallpaper, wood fibre boards, must be removed. |
| Substrate preparation | Clean substrates affected by mould, spores and algae with FAKOLITH FK 12 diluted 1:4 with water. Spores and fruiting bodies are dissolved by cleaning with FAKOLITH FK 12. Then clean the substrate with clear water. In order to avoid spore flight, mould should not be removed in dry condition. Cleaning the substrate with FAKOLITH FK 12 demonstrably optimises the subsequent effect of FAKOLITH FK 14 Antifungal. The drying time before recoating the cleaned substrate with FAKOLITH FK 14 is approx. 3 hours (20°C/50% relative humidity). In case of forced drying, e.g. supported by a blower, the drying time can be reduced. |
| Processing | <p>Apply FAKOLITH FK 14 by brush or roller. Do not wash. Clean tools immediately after use with water. Recoat with subsequent coat of paint, e.g. FAKOLITH FK 5, FK 10, FK 32 or DISPERLITH paints only after complete drying of FAKOLITH FK 14 Antifung.</p> <p>The drying time depends on the substrate pre-treatment and the moisture storage capacity of the substrate. The average drying time at 20°C / 50% rel. humidity is approx. 3 hours. At temperatures between 10-15°C we recommend a longer drying time of approx. 12 hours. Please note: If FAKOLITH FK 14 is overpainted early, filming problems may occur during subsequent painting with an emulsion paint.</p> |

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| Waiting time after application | The room can be used again immediately after application if well ventilated. |
| Density at 25°C | 1 g/cm ³ (DIN 51757) |
| PH value | 7 |
| Ingredients | Quaternary ammonium compound, pure acrylate |
| Flash point | Not applicable |
| Colour shade | Colourless drying, milky in the container |
| Consumption | Approx. 100 ml/m ² , depending on the absorbency of the substrate. |
| Dilution | FAKOLITH FK 14 Antifung is ready for use and is applied undiluted. Do not mix with other products. Exception: Dispersion paste for wallpaper. Addition max. 5%. FAKOLITH FK 14 is not a fungicidal additive for paints! |
| Application temperature | From +10°C |
| Storage | Approx. 2 years (closed containers), store in a cool and frost-free place. |
| Container | 500 ml spray bottle, 1, 5 and 10 litre canisters |
| Occupational safety | For proper handling, read the safety data sheet, use your personal protective equipment and take the prescribed measures. |
| Disposal | For disposal, the local official regulations must be observed. Only recycle completely empty containers. |
| Notice | Use biocides safely. Always read label and product information before use. The product is not a preparation subject to compulsory labelling according to Regulation (EC) No 1272/2008. |
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