

Type of material

FAKOLITH FK 32 is a solvent-containing, vapor-diffusion-open, odorless fast-renovation paint for interiors based on pure acrylate. FAKOLITH FK 32 has insulating properties and can be applied even at temperatures around freezing point.

The BLUE-BIO.FILM.STOP technology protects the surface of FAKOLITH FK 32 from mold, virus and bacteria attack.

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 (< 3.8 m²/L)
- Vapor diffusion open, SD value = 0.17m (V₂)
- Odorless
- Washable
- Isolates light yellowing (e.g. nicotine, smoke, dried water stains).

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.

FAKOLITH FK 32 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 32 is particularly recommended as a renovation coating for ceilings and walls that show slight browning due to use, e.g. due to nicotine or steam exposure, e.g. in bakeries, kitchens, smokers' apartments.

FAKOLITH FK 32 isolates light browning. Intense grease and nicotine deposits must be cleaned beforehand with FAKOLITH FK 11 and isolated with FAKOLITH FK 16.

FAKOLITH FK 32 is also suitable for the renovation of ceilings and walls at low temperatures. FAKOLITH FK 32 can be applied undiluted from +4°C (ice-free), from +1°C with the addition of FAKOLITH ANTIFROST.

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 Penetrating 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	Application by brush, roller or airless spraying. We recommend the following settings for spray processing: Nozzle 5/17, spray pressure 170 bar. Application max. 5% diluted with FAKOLITH FK 37.
Binder	100% pure acrylic.
VOC content	Category i (Lb). Maximum 500 g/l VOC (Directive 2004/42/EC) The product contains max. 500 g/l VOC.
Pigmentation	Titanium dioxide rutile.
Density	1.39 g/cm ³ (DIN 51757)

Flash point	43°C.
Viscosity	Viscosity (ASTM 3, 250rpm, a 25°C + 0.5) DFG Color: 1,200 mPas \pm 250
Solid materials	69% \pm 2%
Gloss level	Matt (DIN EN 13300)
P.V.C.	72% (pigment volume concentration)
Colour shade	White
Tinting	Tinting ex works on request
Tinting paste	Up to 3% with binder-free color concentrate suitable for aromatics-free coating systems.
Consumption	2 coats: A total of at least 250 ml/m ² is required to achieve the fungicidal, bactericidal and insulating effect.
Dilution	Only with FAKOLITH FK 37. FAKOLITH FK 32 is ready for use. Depending on the absorbency of the substrate, the 1st coat can be diluted up to 5% with FAKOLITH FK 37. Apply the 2nd coat undiluted. If applied by spraying, dilute up to 5% with FAKOLITH FK 37.
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 time.
Application temperature	Up to +1°C (for circulating air and substrate). The substrate must be dry and free of ice. At temperatures below +4°C we recommend the 2% addition of FAKOLITH ANTIFROST. FAKOLITH ANTIFROST is available in 250ml containers = sufficient for 1x12.5L FAKOLITH FK 32. At low processing temperatures, we recommend storing the paint at > +15°C before processing to optimize viscosity. If necessary, mix in Antifrost already the day before.
Compatibility	Do not mix with other colors.
Storage	Approx. 2 years (closed containers), store in a cool and dry place.
Container	5 and 12.5 L buckets.
Occupational safety	Exclusive product for professional use. For proper handling, read the safety data sheet, use your personal protective equipment and take the necessary measures.
Disposal	For disposal, the local regulations must be observed.

Note

The basis for planning a renovation is good documentation. We recommend using the FAKOLITH checklist and the "General Renovation Concepts". Both documents are available on the Internet at www.fakolith.de. For personal advice on the object, our application technology is at your disposal.

Comment

In bakeries, please note:

The increasing number of ovens, fermenting cabinets and production machines, if the capacity of the exhaust air systems is not sufficient, lead to a phase-wise increased steam load. If ceilings and walls have already been repainted several times, the moist room air cannot diffuse into the substrate and settles as condensate **on the** paint. This process can lead to yellowing even with short steam exposure, since fats, sugars and yeasts are transported via the steam phase. These are usually only superficial and can be washed off with FAKOLITH FK 11.

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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