INTERIOR

BIOFA

Item no.
3051, 30511-4, 3052, 3053

SOLIMIN Silicate Paint

solvent-free, mineral wall paint

3051 white, 30511-4 colored, 3052 medium base, 3053 transparent base

1 l - 4 l - 10 l





Wall paint for walls and ceilings.
For old and new plasters, textured and smooth plasters, firmly adhering old coats.
Ideal for damp rooms.

- Ready-to-use silicate paint according to DIN 18 363 / Part C 2.4.1
- Crystal Clear Ingredient Declaration (www.biofa.de) and low-emission *
- Made with 96% natural raw materials **
- Non-combustible
- Allergy-neutral
- Highly diffusible
- Wet abrasion resistance class 2
- Contrast ratio / hiding power class 2
- Certificates: Natureplus and QNG-Ready
- Without addition of preservatives
- Has a disinfecting effect due to the product's own alkalinity
- complies with the requirements for QNG-Ready, Qualification for KfW funding for "climate-friendly residential building/non-residential building"
- is listed on baubook (database for ecological building and renovation)

CERTIFIED SUSTAINABLE PRODUCT
SHI PRODUCT PASSPORT
SENTINEL HOLDING INSTITUT
www.sentinel-holding.eu/pruefkriterien

natureplus®
0602-1001-031-1

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A+
A+ A B C
RAUMLUFT EMISSIONEN*
* Angaben zum Emissionsgrad flüchtiger Stoffe in der Raumluft, die beim Einatmen ein Toxizitätsrisiko darstellen, auf einer Skala von A+ (sehr geringe Emissionen) bis C (hohe Emissionen)

Properties:

BIOFA SOLIMIN is a ready-to-use, solvent-free mineral paint in accordance with DIN 18 363 / Part C 2.4.1. without the addition of preservatives and consists of over 96% natural raw materials. Has a disinfecting effect due to the product's own alkalinity. The coating is highly diffusible (diffusion-equivalent air layer thickness sd = < 0.011 m), highly opaque and resistant to washing and scrubbing. Quality according to DIN EN 13300: Wet abrasion resistance class 2, contrast ratio/covering power class 2 with a yield of 8-9m²/l. Quick-drying, non-flammable and non-allergenic. Particularly suitable for all public facilities and all wall and ceiling surfaces in living rooms, bathrooms, kitchens, stairwells and cellars. Ideal for damp rooms. Can be used on all lime-, cement- and gypsum-based plasters, clay plasters, concrete, sand-lime brick, exposed brickwork, woodchip wallpaper, fiberglass fabrics and old mineral and emulsion paints.

The information and instructions in the technical leaflet are binding. Prior consultation with the application engineering department of BIOFA is required if a deviation from these specifications is necessary. The generally accepted construction engineering practices must be observed. All previous information is null and void after the publication of this leaflet.
BIOFA Naturprodukte W. Hahn GmbH, Dobelstr. 22, D-73087 Bad Boll Germany, www.biofa-de.com, Tel. 07164-9405-0, Fax 07164-9405-96

Shade mixtures:

SOLIMIN Silicate Paint can be tinted ex works according to the BIOFA SILIC color fan for mineral paints.

** Ingredients:

Water, chalk, potassium silicate, titanium oxide, color pigments depending on hue, talcum, Acrylate resin dispersion, stabilizer, thickening agent, anti-foaming agents, wetting agents.

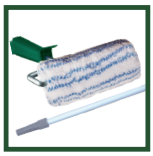
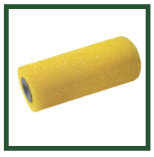
45 per cent water and renewable raw materials
52 per cent mineral and metallic raw materials
3 per cent chemical-synthetic and fossil raw material

Processing steps:

1. Preparation: Substrate must be dry, absorbent, clean, and must have good adhesion. Remove all traces of varnish, latex, oil, and synthetic resin paint. **Cover surfaces sensitive to alkalines!** Carefully repair hairline and shrink cracks and all other plaster damage with fillers. Remove surface oil stains with appropriate cleaner or soap solution, then rinse with plenty of water. Grind off sintered lime areas.
Prior to coating, note the drying times of new concrete or plaster:
Concrete: at least 30 days of drying time
Plaster: at least 10 days of drying time
Always pre-treat heavily absorbent or crumbling substrates with Universal Fixative 1440. Apply a primer coat with BIOFA SOLIMIN Quartz Brush-on Plaster white 3055 to give very smooth substrates like sheet rock panel a texture and better adhesion.
Attention! If the BIOFA SOLIMIN Silicate Paint system is applied to drywall (plasterboard, Fermacel etc.) or heavily filled plaster substrates, the entire substrate must be primed with undiluted SOLIMIN Special Primer 3046 after filling and sanding. The subsequent coat of silicate paint must be applied undiluted, as otherwise joints and filler areas may bleed through or, if the silicate paint is too diluted, the building boards may become too wet and cracking may occur.
Painter's fleece must also first be primed with SOLIMIN Special Primer 3046.
In the case of wallpapered substrates from which the wallpaper has been removed, the substrate surface must be lightly sanded (60-100 grit) and well dedusted (first sweep or vacuum, then wipe with a damp cloth) or thoroughly cleaned with a brush and hot water. After 24 hours drying, prime with Universal Fixative 1440. Wallpaper paste residues can lead to adhesion problems.
Important notes: When coating various substrates with aqueous, open-pore painting systems, certain substances such as lignin, nicotine, rust, various salts, but also moisture can bleed through from the substrate and/or can result in discoloration or differences in hue. It is therefore essential to test the substrate for suitability and to conduct tests before use (sample surfaces). Observe VOB!

2. Base coat After thoroughly mixing, apply the silicate paint with a roller, brush, or airless sprayer. For bold color tones, mix equal parts of SOLIMIN colored 30511-4 and SOLIMIN white 3051 for the primer coat. Dilute with 5-10 % of water or BIOFA Universal Primer 1440 for the first coat. Only dilute with BIOFA Universal Primer 1440 for highly-absorbent or crumbling substrates.
3. Topcoat The top coat is applied undiluted. Add 3-5 % of water or primer 1440 only as needed.
Important: Ensure uniform paint application! Work wet on wet toward and along edges! Only use soft paint rollers that can absorb sufficient material! Test before use! Ensure sufficient fresh air circulation when processing and drying the products! Do not use below 5 °C!
4. Equipment cleaning Immediately after use, clean with BIOFA Brush Cleaner 0600 and water. Remove dried spots with BIOFA NATOLE 4060.

Recommended Utensils and Companions:



1. **009977 / 009992 /009991** Professional wall paint roller 100 mm / 180 mm / 270 mm
2. **009994** Textured roller rough 180 mm for a coarse wall structure
3. **009952 / 009996 / 009954** Roller bracket 100-120 mm / 180-200 mm / 250-270 mm
4. **009973** Tool handle
5. **009909 / 009910** Flat brush, professional quality 40 mm / 60 mm for waterbased products
6. **0600** BIOFA Brush cleaner for cleaning the working equipment

Drying:

SOLIMIN white can be painted over after approx. 5 hrs., SOLIMIN colored after 16-24 hrs. Allow to dry for at least 24 hours for glazing technique.

Consumption/yield per coat

120 ml/m^2 or 8-9 m^2/l for normally absorbing substrate.

Storage:

Keep cool, away from frost, dry and properly sealed. Process opened container promptly. Minimum shelf life of opened containers: 1 year!
Attention: May thicken if stored at excessively high temperatures.

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Container:

1 l PET plastic can
4 l and 10 l PET plastic bucket

Disposal:

Deposit liquid product leftovers at collection point for old paints/ old varnishes, and/or dispose in compliance with local statutory regulations. Minor leftovers and soaked processing materials can be disposed in the household waste after drying out.
Only recycle fully emptied and cleaned containers. Not completely emptied and cleaned containers must be treated and disposed like the product!

German Waste Classification Directive [Abfallverzeichnis Verordnung - AVV] **waste code iaw. European waste classification:** 08 01 12

Hazard statements/safety advice:

Caution! Hazardous respirable aerosols may be formed during spraying. Do not inhale aerosol or mist. Keep out of the reach of children. Coating material is strongly alkaline. Protect eyes and skin from contact. In case of contact with eyes or skin, rinse immediately and thoroughly with water. If medical advice is required, have the packaging or label ready. When spraying, do not inhale the spray mist and wear suitable respiratory protection (combination filter A2 / P2). Use respiratory protection (dust filter P2) during grinding work. Wash off paint splashes on all types of surfaces immediately and thoroughly with water. Ensure good ventilation during processing and drying. Do not allow it to get into the sewage system, waterways or the ground.

Safety data sheet available on request

VOC-Labelling in accordance with the Decopaint regulation and the German Paint VOC Regulation:
EU threshold (Cat. A/a): 30 g/l (2010)
3051 3051 1-4, 3052, 3053 contain max. 1 g/l VOC

GISCODE: BSW10

SHI product passport:

Healthy living - find products - certify buildings

All relevant product qualities regarding health compatibility and environmental impact of the product, which are required to achieve sustainable building certifications, can be found in the SHI product passport.

This QR code will take you to the SHI product passport for BIOFA SOLIMIN Silicate Paint 3051, 30511-4:

baubook:

Database for ecological building and renovation

This QR code will take you to the baubook database BIOFA SOLIMIN Silicate Paint 3051, 30511-4:

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