

## **BIOFA SOLIMIN Silikatfarbe (Silicate Paint) white and coloured for inside according to DIN 18 363 Art. No. 3051**

### **Properties**

BIOFA SOLIMIN is a ready-to-use, solvent-free mineral paint according to DIN 18 363, part C 2.4.1. The coating is highly moisture-vapour permeable, quick-drying, highly opaque, wash-proof, abrasion-resistant, non inflammable and allergy neutral. It has a disinfecting effect thanks to its inherent alkalinity. Especially recommended for public buildings and walls and ceilings in living rooms, bathrooms, kitchens, staircases and basements. Ideal for damp rooms. Suitable for all lime-, cement- and gypsum-based plaster, loam plaster, concrete, lime sand bricks, fair-faced masonry, woodchip paper, glass fibre fabric, old mineral and dispersion paints.

Also suitable as substrate for BIOFA glazing techniques.

### **Colour Mixtures**

SOLIMIN Silicate Paint can be tinted using the BIOFA Silicate-Paint Concentrates 1410-1419, th BIOFA Paint Pigments 1301-1317 (except for 1314 lilac) or from the factory according to RAL or NCS. Follow the technical data sheets for Silicate-Paint Concentrates and Paint Pigments

### **Ingredients**

Water, chalk, potassium silicate, titanium dioxide, mineral powder made from chloride, mica and quartz, pigments depending on colour shade, pure acrylate, polysaccharide/starch, organic ammonium compound, fatty acid polyether derivate, sodium phosphonates, potassium methyl silicate.

### **Instructions for use:**

#### **1. Pretreatment**

Substrates must be stable and dry, in good condition and clean. Remove varnish, latex, oil and synthetic resin coatings entirely. **Cover alkali-sensitive surfaces!** Repair hair cracks, shrinkage cracks and other plaster damage thoroughly with mineral filling compound. Remove formwork release oil residues with respective cleaner or soap sud and rinse with plenty of water. Sand off

calc-sinter layers. Observe drying times of new concrete and plaster before prior to their treatment:

Concrete: at least 30 days of drying

Plaster: at least 10 days of drying

Highly absorptive or crumbling substrates must always be pretreated with Universal Fixative 1440.

Apply an undercoat of BIOFA SOLIMIN Quarzstreichputz weiß (Quartz Brush Rendering, white) 3055 or BIOFA SOLIMIN Quarzstreichputz weiß grob (Quartz Brush Rendering, white, coarse) 3056 to provide very smooth substrates such as gypsum plasterboard with texture and slip resistance.

#### **Attention!**

When applying the BIOFA SOLIMIN silicate paint system to plaster board (Rigips, Fermacel etc.) followed by wall glazing technique or when coating heavily filled and surfaced plaster substrates, the entire substrate must be primed undiluted with SOLIMIN Spezialgrund (Special Primer) 3046 . The next silicate coat is applied undiluted in a thin layer, because joints and surfaced patches may bleed through otherwise or in the case of highly diluted silicate paint, the building panels can get too moist and cause cracks.

Even painter's fleece has to be pre-coated with SOLIMIN Special Primer 3046.

Surfaces from which the wallpaper has been removed must be slightly sanded (grit size 60-100). Remove dust thoroughly (first use a broom or vacuum cleaner, then wipe with a damp cloth) or clean thoroughly with a brush and hot water.

Prime with Universal Fixative 1440 after 24 hours of drying. Wallpaper paste residues may cause adhesion problems.

**Important note:** When coating the different substrates with aqueous, open-pored coating systems, certain substances such as lignin, nicotine, rust, various salts and moisture, etc. may bleed through from the substrate or lead to discolouring or colour differences. This is why it is absolutely necessary to check the substrates for suitability and carry out preliminary tests (sample surfaces).

**Observe VOB (Contract Procedure for Construction Work)!**

#### **2. Basecoat**

Stir the silicate paint thoroughly and apply by roller, brush or airless spraying. The first coat can be diluted with 5-10 % of water or thinned with

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Universal Fixative 1440. Only dilute the silicate paint with Universal Fixative 1440 on highly absorptive or crumbling substrates.

Important: **Make sure you apply the paint evenly and thickly! Work wet in wet up to and on the edges! Only use soft paint rollers that can absorb enough material! Perform Tests Provide optimum fresh air circulation during product application and drying! Do not apply below 5 °C!**

### 3. Topcoat

Apply the topcoat undiluted. Add 3-5 % of water or fixative only if necessary. One application is usually sufficient on woodchip paper and light-coloured old coatings.

### 4. Cleaning of tools

Clean with plenty of water and BIOFA Brush Cleaner 0600 after use. Remove dried stains with BIOFA NATOLE 4060.

### Drying

Recoatable after approx. 5 hours. Allow to dry for at least 24 hours for glazing techniques.

### Consumption/spreading rate per coat

120 ml/m<sup>2</sup> or 8-9 m<sup>2</sup>/l on normally absorptive substrates.

### Storage

Cool, above freezing point, dry and sealed airtight. Use up opened containers soon. Minimum shelf life of unopened containers: 1 year! Attention: Risk of thickening if stored too warm.

### Container size

1 l / 4 l / 10 l PE or PP containers.

### Safety instructions

Keep out of the reach of children. Protect eyes and skin from paint splashes. After contact with eyes, skin or other alkali-sensitive substrates such as varnish, wood, metal, plastic, glass, natural stone, clinker, ceramics, etc., rinse with plenty of water immediately. When spraying, do not breathe spray mist. Do not empty into drains, aquatic environment or soil.

### Disposal

Dispose of liquid product residue at collection points for old paints/varnishes or dispose of ac-

ording to locally applicable regulations. Small quantities of residue and soaked work materials can be disposed of along with domestic waste after drying.

Only recycle cleaned or completely empty packaging with cured deposits or dispose of according to locally applicable legal regulations. Uncleanable packaging and packaging not emptied appropriately must be treated and disposed of like the product!

**VOC identification according to Decopaint Directive and ChemVOCFarbV (Directive on the limitation of emissions of volatile organic compounds due to the use of organic solvents in paints and varnishes):**

EU limit value (cat. A/a): 30 g/l (2010)

3051 contains 1 g/l VOC.

GISCODE: M - SK 01

Waste Incineration Ordinance[AVV]-

Waste Code according to European Waste Catalogue: 08 01 12

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