

## **BIOFA SOLIMIN Mineral Paint for indoors iaw. DIN 18 363, solvent-free Article No. 3051 white Article No. 30511-4 colored**

### **Properties**

BIOFA SOLIMIN is a ready-for-use, solvent-free mineral paint iaw. DIN 18 363 / part C 2.4.1. The paint is highly-diffusion-capable (diffusion-equivalent air layer thickness  $s_d = < 0.011$  m), high-cover, and resistant to scrubbing. Meets DIN EN 13300: wet abrasion resistance: class 2, contrast ratio: class 2 at a yield of 8-9m<sup>2</sup>/l. Fast-drying, non-flammable, and allergy-neutral. Has disinfecting efficacy due to intrinsic product alkalinity. Particularly suited for public facilities and all walls and ceilings in residential area, baths, kitchens, stairwells, and basements. Ideal for wet areas. Suited for all lime, cement, and gypsum-based plasters, clay plaster, concrete, lime-sand stone, exposed masonry, woodchip wallpaper, fiberglass fabrics, and old mineral and dispersion paints.

Can also be used as primer for BIOFA glazing techniques.

### **Hue mixtures**

SOLIMIN Mineral Paint can be pigmented with the BIOFA Color Pigments 1301-1317 (excluding 1314 purple) or by the factory iaw. the BIOFA NCS color fan for mineral paints. Please note the technical leaflet for color pigments!

### **Ingredients**

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

### **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 SOLIMIN Interior Primer 3045 or BIOFA Universal Primer 1440.

Apply a primer coat with BIOFA SOLIMIN Quartz Plaster white 3055 to give very smooth substrates like sheet rock panel a texture and better adhesion.

### **Attention!**

If the SOLIMIN mineral paint system is applied on dry-installed panels (sheet rock, Fermacel, etc.) with subsequent wall glazing technique or onto highly filled plaster substrates, the entire substrate must be primed with undiluted SOLIMIN Special Primer 3046 after filler is applied and after sanding. The following mineral paint coat is applied undiluted with a thin film. Failure to do so may result in joints and filler locations to bleed through, or the construction panels may absorb too much moisture and form cracks if the mineral paint is excessively diluted.

A primer coat of SOLIMIN Special Primer 3046 must also be applied for absorbent wall paints.

On wall-papered substrates on which the wallpaper was removed, the substrate surface must be surface sanded (60-100 grit), and all dust must be removed (brush off or vacuum off first, then wipe off with wet rag), or thoroughly clean with brush and hot water.

Prime with Universal Primer 1440 after 24 hours of drying time. Wallpaper glue rests can cause 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!**

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.

**2. Base coat** After thoroughly mixing, apply the mineral 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 Interior Primer 3045 or BIOFA Universal Primer 1440 for the first coat.

Only dilute with SOLIMIN Interior Primer 3045 or BIOFA Universal Primer 1440 for highly-absorbent or crumbling substrates.

**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!**

### 3. Topcoat

The top coat is applied undiluted. Add 3-5 % of water or primer 3045 or 1440 only as needed.

### 4. Equipment cleaning

Immediately after use, clean with BIOFA Brush Cleaner 0600 and water. Remove dried spots with BIOFA NATOLE 4060.

### 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<sup>2</sup> or 8-9 m<sup>2</sup>/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.

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

**Safety instructions** Keep away from children. Protect against eye and skin contact. On eye and skin contact, immediately rinse with plenty of water. Get medical help if eye irritation persists. When sprayed, do not inhale airborne spray and wear respiratory protection. Carefully cover all substrates not to be painted. Immediately wash off paint spatter on all types of surfaces with plenty of water. Do not allow to enter soil, waterways, or sewer system. Always read labeling and product information prior to use.

### 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

### VOC labeling iaw. Decopaint directive and ChemVOCFarbV:

EU threshold (Cat. A/a): 30 g/l (2010)  
3051 contains max. 1 g/l VOC

GIS CODE: M – SK 01

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