

Technical data sheet

Bio-Innensilikat



Product description

Characteristics:

- Highly diffusible silicate paint
- Snow-white
- Very good hiding power
- Mat surface
- Excellent application characteristics
- Low spreading rate
- Durable
- 1-component silicate paint
- Binder based on potassium water glass with a content of organic components as allowed under DIN 18363
- Free of plasticizers and fogging-active substances
- Preservative-free
- Free of solvents and emissions

DIN EN 13300:

- Wet scrub resistance: R-class 2
- Contrast ratio: hiding power H_{10} -class 1 (≥ 99.5) at a spreading rate of 140 ml/m²
- Gloss level: G4 dull matt
- Maximum particle (grit) size: S1 fine (< 100 µm)

Material

Application Area:

For interior use, on good, solid new and old underground such as lime, lime-cement and cement plasters, concrete, fibre cement as well as old silicate and mineral paints. For non-mineral substrates we recommend a priming coat with MFD WP-Haftgrund as binder or MFD Silikat-Mineralgrund fein as adhesion promoter.

Binding agent:

Silicate with organic stabilizer

Colour:

White

Content of solids:

Approx. 55 %

Specific gravity:

1.49 g/cm³

pH value:

Alkaline approx. 11

Diluting agent:

MFD Silikat-Grundfestiger

Viscosity:

Slightly thixotropic

Steam diffusion:

Acc. to DIN EN 52615

S_D : approx. 0,01 m



MFD Bio-Innensilikat



Application characteristics

Application:	Brush / roller / spray (airless).
Underground:	All mineral substrates which are clean, dry, and solid. Use MFD Silikat-Grundfestiger as a primer. In case of new plasters wait for 4 weeks before coating. Old coatings based on lime, mineral and silicate must be cleaned or if necessary removed. Fix cracks and holes in plasters, let dry completely. For non-mineral substrates we recommend a priming coat: - MFD WP-Haftgrund as bonding agent to create a smooth underground - MFD Silikat-Mineralgrund fein to create a fine structured undergrounds For underground treatment and application VOB, part C, DIN 18363 and the relevant BFS information must be observed.
Coating build-up:	Priming with MFD Silikat-Grundfestiger. Priming coat: dilute product with 5 - 10 % MFD Silikat-Grundfestiger. Final coating: dilute product with 5 % MFD Silikat-Grundfestiger.
Spreading rate per coating:	Approx. 150 ml/m ² on smooth underground (if necessary test on the wall).
Application temperature:	At least + 5°C (Degrees Celsius) for air and underground during application and drying.
Drying:	The surface of the coating is dry and can be painted over after 8 - 10 hours (at a temperature of 20 °C and a relative atmospheric humidity of 65 %). High humidity, low temperatures and low air exchange extend the hardening and drying time.
Tinting:	Product can be tinted with suitable tinting paint. Check compatibility on a case by case basis. Use tinted product immediately after mixing. Advice: Due to the chemical setting process we cannot accept any liability for colour accuracy and spotless drying. Tinting may lead to deviations in the technical data, also with respect to contents of preservatives. Colour accuracy: property conditions have an influence on colour accuracy and the uniformity of colour. The following conditions should be avoided: - Irregularly sucking substrate - Different surface humidity in the substrate - Patches with different alkalinity and / or ingredients from the substrate
Cleaning of tools:	Clean with water immediately after use.

General information

Storage:	Cool, but not freezing.
Shelf-life:	Can be stored for at least 12 months after date of filling (see additional sticker) if stored properly in the unopened original packaging.
Packaging:	12.5 l / 5 l
Ingredients:	Water glass, special resin dispersion, white pigment, calcium carbonate, water, additives. As a result of tinting, small amounts of preservatives can be added.
Preservative-free:	Preservative-free according to VdL guideline 01 or equivalent RAL DE-UZ102.
Safety:	Please follow the instructions of the safety data sheet.
Labelling:	This product is not classified according to EU regulation No 1272/2008 [CLP].
Special advice:	Protect glass plates, metal, brick, tiles and marble from splashes. Clean contaminated surfaces with water immediately.

Technical data sheet

MFD Bio-Innensilikat



General information

GISCODE:	BSW40
VOC content:	EU-Limit for the product Kat. A/a: 30 g/l (2010). This product contains <1 g/l VOC.
Waste disposal:	Empty containers can be disposed for recycling. Any dried residues of material can be disposed of as construction waste or together with domestic garbage. Containers with liquid material residues must be disposed of according to local regulations. For further information, please contact your local waste authority.
Advice acc. to CLP:	Keep out of reach of children. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Wear appropriate respiratory protection (full mask / half mask equipped with filter type A2/P2). Avoid eating, drinking and smoking during use of the product. Ensure good ventilation during and after application. In case of contact with eyes or skin, rinse immediately with plenty of water. Do not empty into drains or water courses. Reduce waste of paint by estimating necessary quantity before. Keep surplus paint for later use. Further use of paint has a positive impact on the environmental effects of the product during its life cycle. Safety data sheet available on request.