

## Technical data sheet

# Silikat-Mineral-Finish



### Product description

**Characteristics:**

- White pigmented, decorative, high filling brush-on plaster based on silicate
- Good hiding power
- For exterior and interior use
- Can be used as primer, adhesion promoter and preparation for dispersion-silicate binded coatings.
- Suitable as priming-, intermediate- and final coat
- Free of plasticizers and fogging-active substances
- Preservative-free
- Free of solvents and emissions

### Material

<b>Application Area:</b>	For exterior and interior use on good, solid new and old undergrounds such as lime, lime-cement and cement plasters, concrete, gypsum board, plasterboard, as well as old silicate and mineral paints and old dispersion paints.
<b>Binding agent:</b>	Silicate with organic stabilizer
<b>Colour:</b>	White
<b>Content of solids:</b>	Approx. 74 %
<b>Specific gravity:</b>	1.81 g/cm <sup>3</sup>
<b>pH value:</b>	Alkaline approx. 11
<b>Diluting agent:</b>	Water
<b>Viscosity:</b>	Slightly thixotropic
<b>Steam diffusion:</b> Acc. to DIN EN 1062	S <sub>D</sub> = < 0,14 m Class V1 (high)
<b>Water absorption coefficient:</b> Acc. to DIN EN 1062	W: ca. ≤ 0,1 kg/m <sup>2</sup> • h <sup>1/2</sup> Class W3 (low)

Tinting may lead to deviations in the technical data, also with respect to contents of preservatives.



# MFD Silikat-Mineral-Finish



### Application characteristics

<b>Application:</b>	<p>Brush / roller / spray (hopper gun or worm pump).</p> <p>Do not apply on sun heated substrates, <u>during</u> strong winds, at high temperatures, extremely high humidity, in fog or rain. Consider the risk of night frost. If necessary, protect the façade with suitable scaffolding-nets or tarpaulins.</p> <p>Spray recommendation:</p> <p>Hopper gun: 4 mm nozzle, size 4-6 hole disc, spray pressure approx. 1.5 - 2.5 bar</p> <p>Worm pump: spray pipe with 4 mm spray nozzle, flow rate low, working pressure: 2.5 – 3 bar, dilution up to max. 3 % with water.</p> <p>The exact spraying parameters depend on the type of spraying unit and should be determined individually for every object.</p>
<b>Underground:</b>	<p>All matt substrates which are clean, dry, and solid, such as lime, lime-cement and cement plasters, concrete, gypsum board, plasterboard, as well as old silicate and mineral paints and old dispersion paints.</p> <p>In case of new plasters wait for 4 weeks before coating. Flute and rinse with water. 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 underground treatment and application VOB, part C, DIN 18363 and the relevant BFS information must be observed.</p>
<b>Coating build-up:</b>	<p>Roller: priming coat: no dilution or dilute product with a maximum of 3 % water.</p> <p>Spray: priming coat: dilution up to max. 3 % with water.</p>
<b>Spreading rate per coating:</b>	<p>Brush, roller: approx. 400 – 500 g/m<sup>2</sup> on smooth underground</p> <p>Spray: approx.. 500 – 600 g/m<sup>2</sup></p> <p>Consumption increases depending on absorbency and structure of the substrate. (The exact consumption values can be determined by test on the wall).</p>
<b>Application temperature:</b>	<p>At least + 5°C (Degrees Celsius) for air and underground during application and drying.</p>
<b>Drying:</b>	<p>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. Full silicification after at least three days.</p> <p>In case of adverse weather conditions always take appropriate actions (e.g. rain protection) to protect work areas and freshly painted surfaces.</p>
<b>Tinting:</b>	<p>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.</p> <p>Colour stability: weather, humidity, UV-light and accumulations may have an influence on the coating surface. The process of change is dynamic and depends on climate and exposition conditions. The current national regulations, leaflets etc. apply.</p> <p>Colour accuracy: weather conditions and property conditions have an influence on colour accuracy and the uniformity of colour. The following conditions should be avoided:</p> <ol style="list-style-type: none"><li>Irregularly sucking substrate</li><li>Different surface humidity in the substrate</li><li>Patches with different alkalinity and / or ingredients from the substrate</li><li>Direct sunlight with sharp shadows on the still humid coating</li></ol> <p>Washout of additives: For coatings which are not yet fully dried any water impact, i.e. dew, fog or rain, may wash-out additives from the coating which then build-up on the surface. The extent of this effect differs, depending on the intensity of the colour. This has no influence on the quality of the product. The effect will disappear under normal weather conditions.</p>
<b>Cleaning of tools:</b>	<p>Clean with water immediately after use.</p>

## Technical data sheet

# MFD Silikat-Mineral-Finish



### General information

<b>Storage:</b>	Cool, but not freezing.
<b>Shelf-life:</b>	Can be stored for at least 12 months after date of filling (see additional sticker) if stored properly in the unopened original packaging.
<b>Packaging:</b>	20 kg / 8 kg
<b>Ingredients:</b>	Water glass, special resin dispersion, white pigment, calcium carbonate, silicate, water, additives. As a result of tinting, small amounts of preservatives can be added.
<b>Preservative-free:</b>	Preservative-free according to VdL guideline 01 or equivalent RAL DE-UZ102.
<b>Safety:</b>	Please follow the instructions of the safety data sheet.
<b>Labelling:</b>	This product is not classified according to EU regulation No 1272/2008 [CLP].
<b>Special advice:</b>	Protect glass plates, metal, brick, tiles and marble from splashes. Clean contaminated surfaces with water immediately.
<b>GISCODE:</b>	BSW40
<b>VOC content:</b>	EU limit for the product cat. A/h: 40 g/l (2010). This product contains < 1 g/l VOC.
<b>Waste disposal:</b>	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.
<b>Advice acc. to CLP:</b>	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.