# Technical data sheet

# Sol-Silikat-Innenfarbe

## Product description

**Characteristics:**

- Matt sol-silicate paint according to DIN 18363 for interior use
- Silica sol with a content of organic components as allowed under DIN 18363
- Very good hiding power
- Snow-white
- Highly durable
- Very high permeability
- Suitable for mineral undergrounds
- Reworking of old, solid, mat dispersion and silicone-resin plasters
- Possible without bonding agents
- Excellent application characteristics
- Resistant against disinfectants (Test certificate available on request)
- Free of plasticizers and fogging-active substances
- Preservative-free
- Free of solvents and emissions
- Resistant to disinfectants (Certificate available upon request)
- This product fulfills the requirements of the "Blue Angel" for low-emission interior wall paints DE-UZ 102 / Version January 2019 (the Blue Angel is an environmental label organised by the federal government of Germany for the protection of people and the environment.) (Certificate available upon request.)

**DIN EN 13300:**

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

## Material

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| **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. |
| **Binding agent**: | Silicate with organic stabilizer and silica sol |
| **Colour**: | White |
| **Content of solids**: | Approx. 52 % |
| **Specific gravity:** | Approx. 1.47 g/cm³ |
| **pH value:** | Alkaline approx. 11 |
| **Diluting agent:** | JONAS Silikat-Grundfestiger |
| **Viscosity:** | Slightly thixotropic |
| **Steam diffusion:**<br>Acc. to DIN 52615 | $S_D$ = 0,01 m<br>class V1 (high) |



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- low emissions
- low level of harmful materials

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## Application characteristics

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| **Application**: | Brush / roller / spray (airless). |
| **Underground**: | JONAS Sol-Silikat-Innenfarbe can be applied without pre-treatment, provided the underground is sustainable, solid, dry, matt, clean and free of dust and grease.<br>Highly and non-homogeneous absorbing mineral undergrounds, consolidate with JONAS Silikat-Grundfestiger. Wait 4 weeks before using on new renders. Fluate and rinse with water. Old lime, mineral and silicate paints must be cleaned and removed if necessary. If necessary, use JONAS Silikat-Grundfestiger to consolidate the underground.<br><br>For underground treatment and application VOB, part C, DIN 18363 and the relevant BFS information must be observed. |
| **Coating build-up**: | If necessary, use silicate primer first (JONAS Silikat-Grundfestiger). Priming coat: use JONAS Sol-Silikat-Innenfarbe diluted with max. 10 % of JONAS Silikat-Grundfestiger. Final coating with JONAS Sol-Silikat-Innenfarbe diluted with max. 5 % JONAS Silikat-Grundfestiger. |
| **Spreading rate per coating**: | Approx. 140 - 165 ml/m². Exact consumption amounts may need to be determined 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.<br><br>Colour accuracy: property conditions have an influence on colour accuracy and the uniformity of colour. The following conditions should be avoided:<br>a. Irregularly sucking substrate<br>b. Different surface humidity in the substrate<br>c. Patches with different alkalinity and / or ingredients from the substrate |

## General information

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| **Cleaning of tools:** | Clean with water immediately after use. Do not flush paint down the drain, even when cleaning tools. |
| **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. |
| **Product.No. and description:** | 08 95 001 JONAS Sol-Silikat-Innenfarbe |
| **Packaging**: | 12.5 l / 5 l / 2,5 l |
| **Ingredients**: | Water glass, silica sol, special resin dispersion, white pigment, calcium carbonate, water, additives.<br>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. |
| **Resistant to disinfectants:** | Resistant to many cleaning agents and disinfectants in application concentrations in accordance with the producer's instructions (list of tested disinfectants can be found in the test report). The test was carried out in accordance with the requirements of JONAS Testing technology and the assessment was based on<br>DIN EN ISO 4628-1: 2016-07. |
| **Safety:** | Please follow the instructions of the safety data sheet. |

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# JONAS Sol-Silikat-Innenfarbe

## General information

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| **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. |
| **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. Wear protective goggles in case of danger. 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. |

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