

PUFAS Sol-Silicate Paint

Silica sol-based interior paint

Use:

For new and renovation paint finishes on all standard interior surfaces. Suitable for application to mineral substrates (e.g. gypsum plaster, cement render and lime render, concrete, masonry etc.) as well as dispersion- and silicate-based coatings. Paint excels by its very strong adhesion to substrate, outstanding workability, good hiding power and high water vapour permeability. It is free from preservatives and exhibits natural properties to protect against mould infection.

Properties:

- dispersion-modified sol-silicate paint to DIN 18363
- ideal for renovation works
- outstanding adhesion to existing coatings
- highly water vapour-permeable ($sd [m] < 0.015$)
- moisture-regulating
- first-rate workability
- low-stress
- low-emission and solvent-free

Quality to DIN EN 13300:

- contrast ratio: Class 1 with a coverage of 6.5 m²/ltr
- wet-scrub resistance: Class 3
- gloss level: dead matt
- max. particle size: fine

Technical data:

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|--------------------|---|
| Raw material base: | Silica sol, potassium water glass, silicates, calcium carbonate, titanium dioxide, polymer dispersion, water, additives |
| Colour: | White |
| Density: | Approx. 1.61 g/ml |
| Product Code: | M-SK01 |

Substrate preparation:

Substrate shall be dry, clean, solid, strong and free from adhesion-impairing substances and soiling (e.g. dust, grease). Remove badly adhering coatings and loose plaster/render. Pretreat highly absorbent, friable and chalking substrates with Silicate-Fixative. It may be advisable, prior to application, to prime untreated gypsum plaster-board with a barrier coat in order to prevent any migration of discolouring substances. Please perform trial application.

Application:

Stir PUFAS Sol-Silicate Paint prior to use and apply to substrate with brush, roller or suitable spray equipment. For undercoat, paint may be diluted with max. 10 % Silicate-Fixative. Apply finishing coat in undiluted form after undercoat has fully dried. Drying time approx. 5 hours (depending on substrate suction, temperature and humidity; allow suitably longer drying times for unfavourable conditions).

Tinting:

For colour finishes, paint can be tinted with max. 3 % PUFAMIX Universal Concentrated Colorants (LW (light- and weather-resistant) oxide types).

Consumption:

Approx. 150 ml/m² per coat, depending on substrate and application method. Exact consumption rate to be determined by trial application on site.

Safety at work:

Avoid contact with skin and eyes. Wear safety gloves and goggles (not with glass). For spray application, do not inhale spray mist. In case of contact with skin, rinse with plenty of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if necessary.

Note:

Mask areas not to be painted. Avoid splashes of paint on glass, ceramics, marble and similar materials. Immediately remove accidental splashes with water. Do not mix PUFAS Sol-Silicate Paint with paints with any other material base. Do not use at building fabric and ambient temperatures below +5 °C. Wash tools with water immediately after use.

Application of paint to sealants, e.g. acrylic products, may lead to cracking or discoloration. In such cases, please perform trial application to determine hiding power.

Storage:

Store in cool, though frost-free environment in properly sealed containers.

Keep out of reach of children.

Disposal:

Hand over only fully emptied containers for recycling. Dried material residue may be disposed of as domestic or construction site waste. Dispose of liquid waste under EWC waste code: 08 01 12. Do not allow to enter drains, sewers, surface waters or ground.

EU VOC limit value for this product (Cat.: A/a, Wb) = 30 g/ltr (2010). Max. VOC content of this product: 1 g/ltr.

Item No.:

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| 004602000 | 5 ltr. tub |
| 004604000 | 12.5 ltr. tub |



Note:

All details and data presented in this information sheet are based on our practical experience and laboratory investigations, and reflect the current state of the art. They can, however, only serve as general guidance and shall provide no guarantee of specific properties or performance. Given that the conditions for storage, transportation and application of products are beyond our control, no legal liability may be construed from the information presented here. It shall be the responsibility of the user to check the product's suitability for the envisaged purpose under the specific site or project conditions.