



TECHNICAL DATA SHEET

30950 SOLSILIKAT FASSADENFARBE

AREA OF APPLICATION

High-quality, all-purpose, ready-to-use facade paint on a colloidal silica base for organic and mineral substrates. Highly water vapour permeable and strongly water-repellent, with reduced mottling when tinted.

PROPERTIES

- Silicate paint in accordance with DIN 18363 with an organic component <5 %
- Mineral matt surface
- Water-repellent
- Very permeable to carbon dioxide and water vapour
- Highly weather-resistant
- Very good hiding power
- Texture-retaining
- Solvent and plasticiser-free
- Corresponds to German construction contract procedures/DIN 18363 2.4.1

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING: available in all colour shades with mineral pigmentation.

CONTAINER: 5 l, 12.5 l

COVERAGE: approx. 150 – 200 ml/m² per coating, depending on the texture of the substrate

GLOSS LEVEL: matt

DENSITY: approx. 1.5 g/m³

APPLICATION

GENERAL RULES:

The substrate must be prepared and the coating work performed in accordance with the state of the art. All coatings and preliminary work should always be geared towards the project and the requirements it is exposed to.

Please also observe the current BFS data sheets, published by the German Federal Committee for Paints and the Protection of Objects. Also see German construction contract procedures (VOB), Part C, DIN 18363, Paragraph 3 "Painting and coating work". Treating/removing layers of paint by sanding, welding, burning off, etc. can cause harmful dust and/or vapours. Only carry out work in well-ventilated areas. Use appropriate breathing apparatus/protective equipment, if necessary. All substrates must be clean, dry, load-bearing, and free from release agents. Substrates must be checked in terms of their load-bearing capacity and suitability for subsequent coatings. If necessary, create a test surface and test the adhesion.

SUBSTRATE

SÜDWEST SolSilikat Fassadenfarbe is suitable for repainting new and existing mineral substrates including concrete, cement render, lime-cement plaster, mineral decorative plasters and renders, and calcium silicate fair-faced masonry. It can also be used in the renovation of dispersion and silicone resin-bound facade paints and external renders.

SUBSTRATE PREPARATION:

SUBSTRATE CLEANING:

Depending on the type and intensity of soiling, wash the facade substrates with a sponge or painter's brush, cold-water high pressure, or steam jet device. Commercially available acidic or alkaline cleaning agents can also be used before washing to improve the removal of soiling.

PRIMING THE SUBSTRATES:

Prime mineral substrates such as lime-cement plaster, cement render, silicate render, and mineral plaster with SÜDWEST Fixativ mixed 1:1 with water.

Substrates then only need to be treated with SÜDWEST Fixativ if they have a normal, high, or varying absorption capacity and it is ensured that SÜDWEST Fixativ can penetrate well. Deep penetrating primers must not form a layer on the substrate to be coated.

CRACK REFURBISHMENT/SURFACE LEVELLING:

Cracks in render surfaces (no dynamic cracks) can be filled with SÜDWEST RissGrund 1 für 3 or SÜDWEST RissGrund faserarmiert by applying the product once or several times (observe the Technical Data Sheet). Scrape open cracks over 3 mm wide in a V-shape, wet with water, and fill professionally. Unevenly textured surfaces can be levelled with SÜDWEST RissGrund 1 für 3 (undiluted).

PRIMING COAT AND INTERMEDIATE PAINT COAT:

SÜDWEST SolSilikat Fassadenfarbe can be diluted with up to 10 % water depending on the absorption capacity of the substrate.

TOP PAINT COAT:

Apply SÜDWEST SolSilikat Fassadenfarbe undiluted or diluted with up to max. 10 % water.

APPLICATION

Painting, rolling, or spraying.

The product must always be applied generously and in a criss-cross pattern. Please pay attention to the equipment manufacturer's recommendations when using in a spray process. Stir the product homogeneously before application. If possible, apply tintings undiluted and with the same application method on connected surfaces. Check the colour shade before application.

APPLICATION TEMPERATURE:

Do not apply or leave to dry at a material, project, or air temperature of less than +5°C.

THINNING AGENT:

Dilute max. 10 % with water.

TOOL CLEANING:

Clean with water after use. Collect the cleaning / rinsing water and dispose of it properly.

DRYING

(20°C / 60 % rel. humidity)

Over-coatable: after 12 h

BUILDING PHYSICAL DATA

Water vapour diffusion-equivalent air layer thickness in accordance with EN ISO 7783-2: μ = approx. 60

Water vapour diffusion sd value in accordance with EN ISO 7783-2:

0.01 m (class V1 high)

Water permeability rate w in accordance with EN 1062-3:

< 0.10 [kg/(m²*h.0.5)] (class W3 low)

Dry layer thickness in accordance with EN 1062-1: 150 μ m

All specifications are average values. Minor deviations are possible as a result of fluctuations due to raw materials.

This does not affect the suitability of the product.

COLOUR RETENTION IN ACCORDANCE WITH BFS DATA SHEET NO. 26

Class: A, group: 1

SPECIAL INFORMATION

Apply the priming coat with a painter's brush or roller to ensure that it is evenly worked into the substrate. Apply the primer in accordance with the current Technical Data Sheets. Always observe the Technical Data Sheets of the products used. This Technical Data Sheet does not release the user from the obligation to observe further provisions of laws, regulations, the state of the art, etc. To ensure the quality and uniformity of facade coatings, do not apply in direct sunlight, strong wind, fog, impending rain, or before an expected temperature drop below +5°C during the drying phase. Not suitable for horizontal surfaces with water loading. There is an increased risk of algae and fungal attack on

facade surfaces that are exposed to increased moisture due to their special

project conditions (e.g. thermal insulation, open bodies of water, and/or trees and shrubs in the vicinity of the project, etc.). In such cases, we recommend using SÜDWEST SolSilikat Fassadenfarbe with factory film preservation. For surfaces that are affected by microbial attack before overcoating, we recommend cleaning and applying SÜDWEST Fungan®, SÜDWEST SolSilikat Fassadenfarbe® with factory film preservation. This has a preventive and retarding effect. Permanent protection against algae and/or fungal attack cannot be guaranteed. Products with active ingredients must be applied in sufficient layer thickness. This can only be achieved by applying two coats. High alkaline influences and/or delayed film formation due to weather conditions reduce the effect of film protection. In addition, BFS data sheet no. 9, section 6.1 must be observed.

Colour stability: the surface of coatings can change over time due to weather conditions, moisture, UV irradiation, and deposits. This can result in a change in colour. This is a dynamic process that is influenced differently by the climatic conditions themselves and the exposure. The current national regulations, data sheets, etc. apply.

Extender material breakdown: when coated surfaces are exposed to mechanical stress it is possible that for darker, intense colour shades the areas of impact change to a lighter colour. This is due to the natural extenders used. This does not impair the product quality or its functionality.

Colour consistency: due to the chemical and/or physical curing processes involved in different weathering and building conditions, it is not possible to guarantee colour consistency and freedom from stains, particularly in the case of:

- uneven absorbency of the substrate
- differences in the surface moisture of the substrate
- strong variations in substrate alkalinity/ingredients
- direct solar radiation with sharply delineated shadows forming on the freshly applied coating.

Emulsifier washouts: due to conditions which delay drying, surface effects

(transparent streaks) can occur on coatings which are not yet fully dried during initial stages of weathering caused by dew, fog, splash water, or rain because of water-soluble processing aids. Depending on the colour shade intensity, this effect can occur to varying degrees. This does not constitute an impairment of product quality. These effects are normally removed automatically on further weathering.

EC DIRECTIVE 2004/42/CE

The SolSilikat Fassadenfarbe product falls below the maximum VOC value of product category C (40 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Mineral binder, polymer dispersion, titanium dioxide, silicate extenders, water, water-repellent agent, thickener, dispersing agents, anti-foaming agents

GISCODE BSW40

GENERAL SAFETY ADVICE

Good ventilation must be ensured while paints and varnishes are being applied and are drying. Keep away from food, drink, and animal feed. Avoid contact with skin and eyes. Do not breathe in dust during sanding work. Keep out of reach of children. Do not allow to enter ground water, bodies of water, or the sewer system in undiluted or large quantities.

Further information and the current SDS are available at www.suedwest.de

STORAGE

Close opened containers so that they are airtight after use. Store in cool but frost-free conditions.

DISPOSAL

Only return empty containers for recycling. Dispose of containers with residues at the responsible hazardous waste centre. Dispose of dried paint brushes and rollers with residual waste. Do not dispose of paint or rinse painting tools in sinks or drains.

TECHNICAL CONSULTATION

Our sales force will be happy to answer any questions which have not been covered by this Technical Data Sheet. Our

technical customer service team at the factory is also available to answer any detailed queries you may have. (06324/709-0)

DISCLAIMER

We are committed to taking the utmost care. However, we are only able to provide general information based on our own experiences, developments, and

investigations, and these naturally cannot take the individual conditions of a project (substrates, weather conditions, other conditions) into account. The applicator is therefore obliged to maintain their knowledge in accordance with the state of the art and act responsibly. Our employees are available to provide specific advice and will be happy to do so. We accept no responsibility for the use of the product in combination with

other products. The data provided in this Technical Data Sheet does not constitute binding information or liability. Furthermore, suspension or the appearance of a subsequent edition will invalidate this Technical Data Sheet; information about this can be accessed at any time on our website: www.suedwest.de.

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