SÜDWEST



TECHNICAL DATA SHEET

30945 SILIKATTOPIN

AREA OF APPLICATION

Preservative-free, extremely matt silicate paint tested for harmful substances (in accordance with DIN 18363 2.4.1, with an organic component of < 5 %), for wall and ceiling areas in interiors that are sensitive to glancing light. Can be applied to matt emulsion paints or surfaces that have been coated with SÜDWEST GrundierFarbe. Resistant to surface disinfectant (in accordance with current assessment). Tested and certified in accordance with the natureplus directive – meets the high environmental and health-related requirements.

TÜV SÜD testing for health-related ingredients and emissions; regular product and process monitoring; ingredients monitoring (www.tuvsud.com/schadstoffpruefung-bauprodukte)

COLOUR SHADE: 9110 white

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

CONTAINER: 5 l, 12.5 l

COVERAGE: 130 – 150 ml/m² per coat; may vary based on absorption capacity and roughness of the substrate.

WATER VAPOUR DIFFUSION SD VALUE: < 0.14 m (class V1 high) in accordance with EN ISO 7783-2

DATA IN ACCORDANCE WITH DIN EN 13300:
1) Wet-scrub resistance R class 2
2) Gloss level G4 dead-matt
3) Contrast ratio H_{10} – class 2 for 7.5 m²/l
4) Max. grain size S1 – fine (< 100 µm)
5) Density approx. 1.3 – 1.5 g/cm³

AREA OF 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

SUBSTRATE PREPARATION:

Prime crumbling and heavily absorbent mineral substrates with a generous coating of SÜDWEST Fixativ (diluted with water in a 1:1 ratio). Prime normally absorbent substrates with SÜDWEST Fixativ or SÜDWEST InnenGrund. Prime gypsum plaster and plasterboard structures with SÜDWEST SilikatTopIn, diluted with 15 % water.

APPLICATION

Apply one or two paint coats as required. If the substrate has normal absorption capacity, dilute the first paint coat with up to 5-10 % water. The final coat can be thinned with up to 5 % water.

APPLICATION TEMPERATURE:
Do not apply or leave to dry at an air or project temperature of less than +5°C.

AIRLESS SPRAYING:
Nozzle: 0.018" – 0.026"
Pressure: 150 – 180 bar
Nozzle angle: 50°
Dilution: approx. 5 % with water

Please also pay attention to the equipment manufacturer’s recommendations when using in a spray process.

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

SPECIAL INFORMATION

Cover all surfaces that are highly sensitive to alkaline (e.g. glass, metal, etc.) prior to application. Wash off paint splashes immediately with clean water. To avoid seams forming and chequering, the products must be applied evenly and continuously. Diluting with too much water, forced drying of the coatings, or initial drying being accelerated by excess absorption capacity or heated substrates can have a negative effect on quality: this may take the form of reduced wet-scrub resistance or increased surface chalking, for example. After they have dried, the painted surfaces should be exposed to fresh air several times to ensure that the final hardness of the surfaces is even and reaches a sufficient level. Surfaces may look different after

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tinted SÜDWEST SilikatTopIn is applied, depending on the temperature, circulation of air, humidity, and substrate. This is typical of silicate emulsion paints and does not constitute a cause for complaint. We recommend creating a test surface for intense colour shades. Do not use on substrates that have not been pretreated and on substrates with efflorescence that are not described in this Technical Data Sheet (seek specialist advice if necessary). Do not mix with different coating materials. Tinting may lead to the permitted limiting values of the natureplus directive being exceeded, depending on the colour shade. Tinting may introduce the use of preservatives. The user is responsible for testing the suitability of disinfectants not mentioned in the assessment. Increased elasticity can cause cracks to appear in the coating film/plaster when coating/overcoating sealants such as acrylate sealants. Furthermore, discolouration and/or differences in gloss levels may appear in the coating depending on the composition of the sealants.

EC DIRECTIVE 2004/42/CE

The SilikatTopIn product falls below the maximum VOC value of product category a (30 g/l) and is therefore VOC-compliant.

FULL DECLARATION IN ACCORDANCE WITH "NATUREPLUS®" DIRECTIVE ON PUBLIC PROCUREMENT

Polymer dispersion, mineral binder, titanium dioxide, mineral extenders, silicate extenders, water, thickeners, hydrophobic agents, stabilisers, anti-foaming agents, wetting agents

GISCODE BSW10

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

Tightly sealed, cool, and frost-free.

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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