



TECHNICAL DATA SHEET

30049 BIO-INNENSILIKAT

AREA OF APPLICATION

Preservative-free, dead-matt silicate paint, tested for harmful substances (in accordance with DIN 18363 2.4.1, with an organic component of < 5 %), with very high hiding power for wall areas and ceiling areas in interiors subject to high levels of stress. Can be applied to matt emulsion paints or surfaces that have been coated with SÜDWEST Grun-dierFarbe. Resistant to surface disinfectants. Tested and certified in accordance with the natureplus directive – meets the strictest 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: 2.5 l, 5 l, 10 l, 12.5 l

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

WATER VAPOUR DIFFUSION SD VALUE: < 0.01 m (class V1 high) in accordance with EN ISO 7783-2

DATA IN ACCORDANCE WITH DIN EN 13300:

- 1) **Wet-scrub abrasion R** class 1
- 2) **Gloss level G4** dead-matt
- 3) **Contrast ratio/hiding power H₁₀** class 1 with a spreading rate of approx. 7 m²/l
- 4) **Max. grain size S1** – fine (< 100 µm)

5) Density approx. 1.5 g/cm³

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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) or SÜDWEST ThixGrund. Normally absorbent substrates with SÜDWEST Fixativ. Prime SÜDWEST InnenGrund or SÜDWEST ThixGrund. Prime gypsum plaster and plasterboard structures with SÜDWEST

Bio-InnenSilikat, diluted with 15 % water. On smooth surfaces with unfavourable light conditions (glancing light), we recommend using SÜDWEST SilikatTopIn or SÜDWEST SilcoTopIn.

APPLICATION

Apply one or two coats as needed. Depending on the absorption capacity of the substrate, you may need to dilute the first coat with up to 5 % water. If the absorption capacity is high (in the case of mineral substrates, for example), dilute the first coat with up to 5 % SÜDWEST Fixativ. The top paint coat can be diluted with up to 5 % water or 5 % SÜDWEST Fixativ.

APPLICATION TEMPERATURE:

Do not apply or leave to dry at an air and object 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 pay attention to the equipment manufacturer's recommendations when using in a spray process.

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 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 tinted Bio-InnenSilikat 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 gypsum 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. 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 product Bio-InnenSilikat falls below the maximum VOC value of product category a (30 g/l) and is therefore VOC-compliant.

FULL DECLARATION IN ACCORDANCE WITH NATUREPLUS® PROCUREMENT DIRECTIVE

Polymer dispersion, inorganic binder, titanium dioxide, silicate extenders, mineral extenders, water, hydrophobic agents, thickeners, 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 safety data sheet are available at www.suedwest.de

STORAGE

Tightly sealed, cool, and frost-free.

DISPOSAL

Only recycle empty containers. Dispose of them in accordance with current legal requirements.

TECHNICAL CONSULTATION

Our sales representatives 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)

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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