

TECHNICAL DATA SHEET No.487



mineralit Sol Silikat

colour matching with **einZA mix**



Type of material	Premium Sol silicate paint, without preservatives, 1-component mineral paint according to VOB DIN 18 363 (dispersion silicate paint), dull matt, for inside, solvent-free and plasticizer-free, scrub resistant according to DIN 53 778.
DIN EN 13 300	Wet abrasion resistance: class 1 Dry hiding power: class 1 at 8 m ² /l Gloss degree: dull matt
Application purpose	For high-quality coatings inside on ceilings and walls with excellent whiteness. For new and renovation coatings. Ideal for living and commercial areas. Very odourless and therefore especially convenient for the processor as well as residents and for application in sensitive areas like public buildings (schools, hospitals, offices etc.).
Density	1,59 g/cm ³
Colour shades	white as well as a range of colour shades obtained by using einZA mix paint mixing system
Binder basis	silica sol with organic stabilising agents (org. amount < 5 %)
Properties	einZA mineralit Sol Silikat has very good coverage, has excellent processing properties, maintains the diffusivity and therefore the moisture exchange of the surface, ensures a healthy room climate and is environmentally sound. Of course mineral (alkaline) and therefore inhibits mould. Without preservatives, suitable for allergy sufferers (IUG product label is requested).
Consumption	120 - 130 ml/m ² for one coating depending on the surface
Surfaces	Suitable for all dry surfaces providing the stability for a coating: for example concrete, plaster, fibre cement, lightweight building board, gypsum plaster board, woodchip, fleece etc. Surfaces like oil painting, varnish coatings and glossy emulsion paint coatings are not suitable. <u>Note:</u> In case of unfavorable grazing light ensure a sufficient pretreatment of the surface (perhaps an extra priming is necessary) and appropriate tools.

P.T.O. !

Preparation of surfaces	<p>The surface has to be clean, dry and stable.</p> <p>Highly absorbent and crumbly surfaces have to be pretreated by priming. Usage of einzA mineralit Grundiermittel as primer (not for gypsum-based surfaces). Alternatively for priming einzA Aqua-Tiefgrund or einzA Aquasol-Gel or similar can be used.</p> <p>Please consider the Technical Data Sheets for these products. Stable, matt, sound emulsion paint coatings can be coated after cleaning. Glue-bound distemper coatings and insufficient adhered so called mixed-binder coatings have to be removed.</p>
Coating structure	<p>New, uncoated surfaces: One intermediate coat diluted up to 10 % with water. One final coat undiluted.</p> <p>Surfaces already coated: Usually one saturated coat is sufficient.</p>
Applying technique	<p>einzA mineralit Sol-Silikat is ready to use.</p> <p>Application by brushing on, rolling on or by airless spraying.</p> <p><u>Application by rolling on:</u> on even surfaces (for example gypsum board) a short-pile microfiber roller is recommended (pile length approx. 9 mm)</p> <p><u>Application by spraying:</u> Airless unit (piston or diaphragm unit)</p> <p>Dilution: Depending on the model undiluted or diluted up to max. 10 % with water Nozzle size: 0,019" to 0,023" (depending on area/surface condition)</p>
Color shade notes	<p>Because of the special drying process of products based on potassium silicate/silica sol shadings on the surface may occur depending on the color shade. This will probably be increased by different absorption behavior of the surface and usage of different tools. Color shadings are product-specific for silicate and mineral paints and are no technical resp. functional defects.</p>
Working temperature	<p>air and object temperature not below +6 °C (ideal: between + 18 °C und + 20 °C)</p>
Processing instructions	<p>Basically repair work should always be carried out on the entire area and not only partially as in case of silicate and sol silicate paints surfaces may show more or less strong shade differences, depending on the object situation. This corresponds to the recognized rules of technology and cannot be avoided. Please find details in the BFS leaflet no. 25.</p>
Precautions	<p>Cover adjoining areas like glass, clinker, natural stone. Remove splashes immediately in wet condition. Protect eyes and sensitive skin against paint splashes, if necessary rinse with plenty of water.</p>
Ecological indication	<p>einzA mineralit Sol Silikat as standard product in white is solvent-free and biocompatible according to the certificate of the testing institute Dr. U. Noack - Labororien ("Erlanger Ciliatentest" - please demand if required).</p> <p>Tinted with einzA mix it may contain smaller parts of solvents because of added paste.</p>
Physical data (standard / white)	<p>vapour resistance reg. DIN EN ISO 7783-2 sd = 0,012 m</p>
Cleaning of tools	<p>immediately after use with water</p>
Tinting	<p>only with solid colours on silicate basis (for example Hacolith Volltonfarben) or tinted with the einzA-mix paint mixing system.</p> <p>Other universal tinting concentrates, universal tinting colours or pastes or other pigment preparations may cause quality restrictions and should not be used.</p>

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Note	opened containers resp. diluted material has to be used at short notice !	
Storage	cool but protected against frost in closed original containers	
Disposal	for recycling only use containers being completely empty	
Package sizes	standard white	12,5 l
	einZA mix Basis 1	2 l - 6 l - 12,5 l
GIS code	BSW 40	

Security advice and labelling

The product is subject to the Ordinance on Hazardous Substances.

All necessary advices are included in the Safety Data Sheet according to the CLP regulation (GHS) corresponding the regulation (EG) no. 1272/2008. At any time available at www.einzA.com or to be requested by sdb@einzA.com.

Labeling notes on the container labels have to be considered !

VOC-content regarding enclosure II of the VOC guideline 2004/42/EG

VOC limit value enclosure II A (sub-category a) - Wb: max. 30 g/l reg. level II (2010)

VOC-content of einZA mineralit Sol Silikat: < 0,5 g/l

The previous information has been conscientiously compiled according to the present state of knowledge of test technology and should serve as a guideline. Due to the multitude of uses and working methods, it is non-binding, does not establish any contractual legal relationship and does not release the consumer from his own responsibility of checking our products himself. Otherwise, our conditions of delivery and payment apply. **Issued 02/2021**; with this, all previous specification sheets are invalid.