

TECHNICAL DATA SHEET No. 427



# Siloxan-Fassadenfarbe

Colour matching with **einZAmix**



<b>Type of material</b>	siloxane added facade paint with good protection against rain, diffusible and with mineral surface lustre
<b>Application purpose</b>	high-quality facade coatings on even and structured surfaces. The siloxane addition provides optimal moisture protection with high water vapour flow. On rough plasters einZA Siloxan Fassadenfarbe results in structure obtaining or structure levelling coatings depending on the dilution. Especially for the renovation of old coatings of porous concrete.
<b>Colour shading</b>	white as well as a range of colour shades obtained by using einZA mix paint mixing system
<b>Density</b>	approx. 1.500 (standard white)
<b>Binder basis</b>	acrylate copolymer emulsion with siloxane addition
<b>Properties</b>	water-dilutable, environmentally sound and odourless, weatherproof, scrub resistant, water-repellent, good protection against rain, good water vapour permeability, alkali-resistant, unsaponifiable, easy to process, excellent hiding power on edges and grains, free of cracks even in thicker layers.
<b>Consumption</b>	approx. 150 - 180 ml/m <sup>2</sup> on even surfaces. Consumption depends on the surface and has to be determined by a trial coat at the object.
<b>Surfaces</b>	for uncoated, mineral surfaces and for renovation coatings on stable old coatings (not usable on crack filling coating systems). Suitable for mortar groups II and III. Not suitable for horizontal surfaces with water stress.
<b>Preparation of surfaces</b>	the surfaces have to be clean, dry and stable. They have to be prepared according to the known rules for surfaces coated with emulsion paints. Especially strongly absorbent as well as crumbly surfaces have to be prepared by priming. Old coatings have to be tested for their stability and adhesion. Strongly absorbent or sanding surfaces have to be pre-treated with einZA Aqua-Tiefgrund or einZA Tiefgrund. As the latter has a high penetration depth surfaces with loose parts have to be primed several times wet in wet to achieve a certain hardening also on the surface. Weathered but still stable old coatings have to be primed with einZA Elastic-Grund. After appropriate mechanical pre-treatment this primer will "weld" the surface and coating residues to a firm and stable surface. Depending on the absorbency of the surface dilute with einZA Universal-Nitroverdünnung. Gloss formation has to be avoided. Please consider the technical data sheets for einZA primers.

P.T.O. !

<b>Coating structure</b>	intermediate coat diluted up to 10 % with water final coat diluted up to 5 % with water
<b>Applying technique</b>	application by rolling, brushing or airless spraying. Because of the used fillers airless spraying nozzles will only be worn slightly. A long open time promotes the processing. Spraying with airless units: Depending on the spraying model undiluted or diluted up to approx. 10 % with water. Nozzle size: bore 0.43 - 0.58 mm or 0.021 - 0.025", filter: 60 mesh
<b>Physical data</b> (standard: white)	water vapour permeability (diffusion equivalent air thickness $S_d$ [H <sub>2</sub> O]): < 0,14 m - Klasse V1 (class II "medium water vapour permeability" according to EN 1062-1:2004) water permeability ratio (w-value): $\leq 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$ (class III "low water vapour permeability" according to EN 1062-1:2004)
<b>Processing temperature</b>	Air and object temperature not below +5 °C.
<b>Processing guidelines</b>	During cold and damp seasons water dilutable components from the not yet dried coating could dissolve out relative shortly after application due to the interaction of high air humidity, mist or rain and temperature reductions (especially during cool and wet evening and morning hours). These are for example tensides, emulsifiers, protective colloids or other additives which are required in the coating to gain certain quality characteristics. If such stains occur, which mostly appear as sticky, glossy spots, the areas should not be reworked directly. The water dilutable stains will be washed off automatically by further humidity stress (for example after several heavy rainfalls). If a direct rework will be made the strains have to be washed off thoroughly with water before a further coating will be applied. This phenomenon which only occurs in case of unfavorable weather conditions is state-of-the-art and unavoidable. It is a temporary visual defect which has no influence on the protective function of the coating.
<b>Tinting</b>	with einzA Vollton- und Abtönfarben or tinting with the einzA mix paint mixing system
<b>Cleaning of tools</b>	immediately after use with water
<b>Storage</b>	cool but protected against frost in closed original containers
<b>Disposal</b>	for recycling only use containers being completely empty
<b>Package sizes</b>	Standard (white): 12,5 l    einzA mix: 2 l - 6 l - 12,5 l
<b>Notice</b>	Opened containers or diluted material has to be used at short notice ! Do not store opened containers for a long time as the material contains preservatives being environmentally sound.

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

VOC limit value enclosure II A (sub-category c) - Wb: max. 40 g/l reg. level II (2010)  
VOC-content of einzA (mix) Siloxan Fassadenfarbe: < 30 g/l

**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](http://www.einzA.com) or to be requested by [sdb@einzA.com](mailto:sdb@einzA.com).

Labeling notes on the container labels have to be considered !

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 09/2020; with this, all previous specification sheets are invalid.