

SANOFIX SILIKAT W

Single-component silicate coating

1. Product characteristics

Single-component silicate coating

- supplied in optimum consistency fit for direct application
- extremely low water vapor penetration resistance
- extremely low carbon dioxide penetration resistance
- optimum adhesion to mineral base
- high condensed water tightness
- applied by roller, brush or spraying

2. Use

SANOFIX SILIKAT W is suitable as a top coat for all kinds of non-treated, dry plasters, especially restoration plasters according to WTA system **SANOFIX**. It is suitable for finishing lime cement and cement plasters, simple concrete or a reinforced concrete with well covered reinforcement. It is also used as a restoration coating for old silicate, lime and cement coatings.

Because of its chemical composition the coating is not suitable for: plasterboards, gypsum plasters, wood, steel parts, etc. It can be used for protection of surfaces coated with dispersion or old lacquer coatings to limited extent.

3. Physical and mechanical properties

Color of composition	white *)
Density (kg/m ³)	1 400 ± 25
Adhesion to base (MPa)	> 0.8
Absorbability (kg/m ² /h ^{0.5})	< 0.2
Frost resistance	> 15 cycles
R _d ^{H₂O} (m) (100 μm of film thickness)	< 0.05

*) upon individual order, we supply the material in a large variety of color shades

4. Test certificates

The product is certified according to § 12 of Act No. 22/1997 Coll. and according to § 6 of Government Regulation No. 163/2002 Coll. as amended. Continuous independent production quality control is provided by AZL 1687 LABBET®. Supervision of Quality Management Systems, Environmental Relations and OSH is carried out by Certification Body No. 3029

5. Instruction for preparation and application

Base. Any incoherent, loose, weatherworn or otherwise visibly damaged concrete shall be completely removed from the base surface. Surface must be also free of dirt, moss, algae, etc.

Preparation of spread coating is done simply by mixing and homogenizing it well right before the application. The coating should not be further diluted.

Workability is not time limited.

Neither **temperature of base** nor temperature of ambient air shall be below + 5 °C and above + 30 °C.

Coating application. The first step is priming the base with **SANOFIX SILIKAT fixativ W** primer coating. The primer is spread preferably by a roller or a brush in amount ca 200 to 300 g/m² in dependence on absorbability of the base. In case of application on larger surfaces **SANOFIX SILIKAT fixativ W** can be applied by a suitable airless gun. **SANOFIX SILIKAT W** is applied after at least 12 hours. The first layer is spread by a roller, brush or a broom so the coating is spread evenly and it doesn't flow down. The second layer can be applied after at least 12 hours.

The coating should not be applied in rain, strong wind and strong direct sunshine. Tools and contaminated areas should be cleaned by water immediately, because hardened remaining of the coating are very difficult to remove.

Note: *Darker shades might be creating spots while drying out which will eventually disappear.*

6. Specific consumption

Specific consumption of the **SANOFIX SILIKAT W** coating amounts to 0.3 ÷ 0.4 kg/m² in dependence on the roughness and absorbability of the base.

7. Packing and storage

SANOFIX SILIKAT W is supplied in PE buckets of 10 kg weight. The storage life of the product in original undamaged packaging is 12 months. **SANOFIX SILIKAT W** must be protected against frost during transport and storage.

8. Health protection at work

Work with **SANOFIX SILIKAT W** coating system requires adequate sanitary measures. When applying use protective clothing, goggles and gloves. If accidentally swallowed, do not induce vomiting and seek medical advice. In case of eye contamination wash open eyes with running water and seek medical advice.

Issued MSDS meets the requirements of EC-Regulation 1907/2006, Article 31.

Because the product meets the criteria for classification as hazardous, it is necessary to provide the recipient or carriers with MSDS.

In countries where regulation REACH (para. 33.1): EU regulation on chemicals and their safe use (REACH: EC 1907/2006) is valid, professional users and distributors must be provided with following information automatically and without request: *This product is subject to Regulation (EC) no. 1907/2006 (REACH). It does not contain any substances that could be released from product under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from candidate list published by the European Chemicals Agency in concentrations above 0.1% (w / w).*

9. Waste disposal

During disposal of contaminated packages or clearing debris from product, it is necessary to follow the Act No. 185/2001 Coll. on waste, as amended.

10. Important notice

All information mentioned above, especially advice for processing and application of our products, is based on our knowledge from the development of chemical products and on years of experience with applications in practice at standard conditions, and proper storage and use. Due to the differing conditions during processing, high count of products, varying nature and modifications of base and other external influences, the procedure based on the information provided or on other written or oral recommendations, may not always ensure satisfactory working results. BETOSAN s.r.o. assumes no liability for provided advice or recommendation. The applicator must prove, that he submitted complete information on time and in writing which is necessary for a proper detailed assessment by BETOSAN s.r.o. The applicator must test the suitability of the products for the intended application. Proprietary rights of third parties, above all, must be taken into account. All received are orders subject to our current "General sales and delivery conditions ". Please always make sure that you follow the most recent issue of the Technical Data Sheet. It is available, along with other information, at our Technical Department or at www.betosan.cz

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