

SANOFIX SILIKON W

Single-component water-soluble protective coating on silicone-acrylate resin basis

1. Product characteristics

Single-component protective coating based on specially formulated silicone-acrylate resin

- supplied in optimum consistency fit for direct application
- extremely low water vapor penetration resistance
- created film is permanently resistant to water and alkali environment
- permanently protects the treated surfaces against aggressive effects of acidic components in atmosphere and operating media
- applied by roller, brush or spraying
- facilitates maintenance of coated surfaces

2. Use

SANOFIX SILIKON W is a single-component water soluble coating composition based on specially formulated silicone-acrylate resin, used especially for protective coating of facades and building structures. It is specially formulated for structures with higher moisture content, with damaged or missing hydro insulations. **SANOFIX SILIKON W** is intended especially for such conditions where a high water vapor permeability is required and the surface must be at the same time protected against the adverse effects of the atmosphere.

3. Physical and mechanical properties

Color of composition	RAL shades
Wet abrasion resistance (min)	> 20
Adhesion to base (MPa)	> 0.25
Water tightness on concrete (l/m ²)	< 2
Frost resistance	> 15 cycles
R _d H ₂ O (m) (100 μm of film thickness)	< 0.5

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 plaster system shall be completely removed from the base surface. The concrete surface cannot be contaminated by substances negatively effecting adhesion to the base (fats, greases, oils, etc.). Tensile strength of the surface layers of the plaster system must be at least 0.1 MPa in interior and 0.2 MPa in exterior. New plaster system should be at least 28 days for application. For better anchoring of the coating it is necessary to prime the surface by **SANOFIX SILIKON fixativ W** primer agent. The surface must be primed by **SANOFIX SILIKON fixativ W** primer also while restoring surfaces already treated by a top coating. **Preparation of primer coating** is done simply by mixing and homogenizing it well right before the application. The coating doesn't need any further dilution, if required the consistency can be slightly adjusted by adding a little amount of clear water and mixing well.

Workability of the primer is not time limited. The composition should be protected against desiccation by suitable measures.

Neither **temperature of base** nor temperature of ambient air shall be below + 10 °C and above + 30 °C.

Coating application. The first step is priming the surface by **SANOFIX SILIKON fixativ W** priming and anchoring coat. The primer is applied preferably by a roller or a brush in amount ca 100 to 150 g/m² (in dependence on absorbability of the base). In case of application on larger surfaces **SANOFIX SILIKON fixativ W** can be applied by a suitable airless gun.

After 24 hours **SANOFIX SILIKON W** is applied. The first layer is spread by a brush or a broom so the coating is spread evenly and it doesn't flow down. The second layer can be applied after 24 hours by a roller.

If **SANOFIX SILIKON W** is applied by a spraying, it is recommended to adjust its consistency by water in amount up to 10%.

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.

6. Specific consumption

Specific consumption of the **SANOFIX SILIKON W** coating amounts to $0.15 \div 0.20$ kg/m² in dependence on the roughness and absorbability of the base.

7. Packing and storage

SANOFIX SILIKON W is supplied in PE buckets of 10 kg weight. The storage life of the product in original undamaged packaging is 6 months. **SANOFIX SILIKON W** must be protected against frost during transport and storage.

8. Health protection at work

Work with **SANOFIX SILIKON W** coating system requires adequate sanitary measures, common while working with dispersion coating materials.

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

Technical Data Sheet No. 5-5

Issued 23. 2. 2024

6 493 505 288



BETOSAN s.r.o., Na Dolinách 28, 147 00 Praha, Czech Republic
Business and technical office Nová Cesta 291/40, 140 00 Prague 4, Czech Republic
 Tel./fax.:+420 241 431 212, tel.:+420 241 431 215
 E-mail: paha@betosan.cz, www.betosan.cz