

SANOFIX VO

Cement based injection suspension

1. Product characteristics

Non-shrink cement injection suspension for perfect holes filling of holes, cavities and cracks in masonry.

- low viscous cement based suspension
- long workability time
- optimized shrinkage
- volume stability
- does not contain chlorides

2. Use

SANOFIX VO is used especially as an injection composition for filling of holes, joints, cavities and cracks in masonry. It is also employed for stabilizing and reinforcement of ground, underground and civil engineering structures. **SANOFIX VO** is suitable for both dry and wet constructions and can be used for partially water permeable constructions as well.

3. Physical and mechanical parameter

Color		grey
Density (kg/dm ³)		1.7
Compressive strength (MPa)	1 day	14
	7 days	25
	28 days	30
Tensile bending strength (MPa)	1 day	5.0
	7 days	5.1
	28 days	6.0
Volume change (%)		0.0

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

Injection suspension preparation. **SANOFIX VO** is prepared by simple mixing it with water only in ratio 2.9 : 1. (1 PE bucket of dry mixture of 10 kg weight is mixed with 3.5 liters of water).

Such prepared mix is homogenized (mixed) thoroughly using a high speed mixer. Minimum mixing time is 3 minutes.

Workability time of the mix is at least 60 minutes while mixed constantly at 20 °C.

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

Injection is done using a low pressure injection equipment. If necessary, the mix can be poured in the holes without pressure, by gravity only. Tools can be cleaned by water within the workability time. After hardening, the composition can be only removed mechanically.

6. Specific consumption

On bag of **SANOFIX VO** dry mix (10 kg) makes after mixing with water ca 7.5 dm³ (liters) of injection suspension.

7. Packing and storage

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

After the expiration of min. shelf life, which is stated on the packaging, ingredients are not fully effective at reducing chromium VI below 2 ppm.

8. Health protection at work

Handling the **SANOFIX VO** dry mix does not require any extraordinary hygienic precautions. The product contains alkalis and therefore any contamination of mainly eyes or mucous membrane must be prevented. Health and labor safety rules applicable to work with cement or lime mortars are to be adhered to.

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 (par. 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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