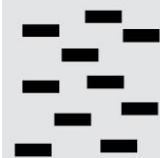


SUPERFIX SMP DP



8

SPECIAL MORTAR MATERIALS

BETOSAN

Grouting mortar for fixing expansion joints, anchoring the founding elements and embedding of baseboards

1. Product characteristics

Single-component dry mortar mix containing expansive admixture.

- applied manually or mechanically
- highly liquefied for easy application
- permanently water resistant
- perfect mechanical properties
- perfectly fills-up anchoring and other holes

2. Use

SUPERFIX SMP DP is a single-component grouting dry mortar mix on the basis of Portland cement intended especially for fixing expansion joints, anchoring the founding elements and embedding of baseboards. **SUPERFIX SMP DP** mortar ensures proper and permanent anchoring of anchoring elements in concrete constructions and components. **SUPERFIX SMP DP** mortar resist well and permanently to dynamic stress as well. It provides alkali protection to anchoring elements.

3. Physical and mechanical parameters

Requirements / results according to ČSN EN 998-1

	Test method	Requirements	Result
Tear (mm)	EN 1881	< 0,6	< 0,3
Chloride ion content (%)	EN 1015-17	< 0,05	< 0,02

Physical and mechanical parameters

Color	Non-standard grey	
Compressive strength (MPa)	2 days	> 25
	7 days	> 42
	28 days	> 50
Increase in volume (expansion) vol. % ¹⁾	after 28 days + 0.6	
Dynamic E-modulus (GPa)	< 32	
Frost resistance	> T150	
Water tightness – seepage depth (EN 12390-8)	< 5mm	
De-icing chemicals resistance	resistance coefficient D1	

1) at temperature 20±5 °C and relative air humidity 50 to 75 %.

4. Test certificates

Meets the requirements of EN 1504-6.

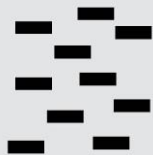
The product is certified according to Act no. 22/1997 Coll. and the Regulation (EU) no. 305/2011 (CPR). Continuous independent control of production quality ensures the AZL 1687 LABBET®. Supervision of quality management system, relation to the environment system and occupational health and safety system performs the certification body no. 3029.

5. Instruction for preparation and application

Base. Any dust and incoherent particles shall be removed from the base before application. The concrete surface cannot be contaminated by substances, which can negatively affect adhesion of the mortar to the base (oil or other products). Before application of the prepared mortar, humidification of the concrete surface shall be properly and repeatedly performed for minimally 120 minutes.

Preparation of the mortar. **SUPERFIX SMP DP** is prepared by mixing necessary quantity of dry mortar with measured quantity of water. The recommended mixing ratio is specified in the following Table. Optimum quantity of batching water can fluctuate in the given interval as usual for mortars containing a cementing binder. When preparing a large volume of the grouting mortar it is permissible to add washed coarse aggregate of granularity 8,16 mm to the mix. The amount of the aggregate should not exceed 15% of the weight of the prefabricated mix.

SUPERFIX SMP DP	grading (mm)	recommended mixing ratio		grouting thickness (mm)	
		dry component (kg)	water (liters)	min.	max.
	0 ÷ 4	25	3.80 ÷ 4.20	20	unlimited



Workability of the product is 50 - 60 minutes at 20°C.
Neither temperature of base nor temperature of ambient air shall be below + 5°C and above + 30°C.

6. Application

Application should proceed according to the specific technological processes for applying dry mortar mixes of **SUPERFIX** series No. TP 3/06 of BETOSAN s.r.o. company.

7. Specific consumption

Specific consumption of dry mortar (without adding the coarse aggregate) amounts to 1.8 ÷ 1.9 kg/dm³.

8. Packing and storage

The product is supplied in 25 kg PE-lined paper bags. **SUPERFIXSMP DP** must be efficiently protected against moisture during transportation and storage. Shelf life in undamaged packing is 6 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.

9. Health protection at work

Handling **SUPERFIX SMP DP** dry mortar 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 (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).


10. 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.

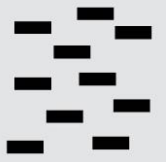
11. Important notice

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

12. CE marking

 1301	
BETOSAN s.r.o. Na Dolinách 28, 147 00 Praha 4	
15	
8-18/072013	
EN 1504-6:2006	
SUPERFIX SMP DP <i>Grouting mortar for fixing expansion joints</i>	
Tear (mm)	0.3 mm at a load of 75 kN
Chloride ion content	< 0,02%
Dangerous substances	meets 5.3
Reaction to fire	European class A1





8

SPECIAL MORTAR MATERIALS

BETOSAN

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: praha@betosan.cz, www.betosan.cz