

PROFIX super



8

SPECIAL MORTAR MATERIALS

BETOSAN

Adhesive mortar for paving and tiling for exterior and interior use

1. Product characteristics

Cement based adhesive mortar with plasticizing additives, suitable for laying of paving and tiles into thin layer. Meets the requirements of EN 12004.

- suitable for both interior and exterior, its frost resistant
- high adhesion and elasticity due to high contain of redispersible polymers
- perfect adhesion to concrete, masonry, cement and lime-cement mortars, plasterboard
- it is especially suitable for adhesion on WATERFIN PV water-proofing slurry coating
- long open time
- meets the requirements of EN 12004 for classification into C2TES1 group

2. Use

PROFIX super is a single-component dry adhesive mortar modified by redispersible polymers designed especially for adhesion of paving and tiles on concrete, masonry, cement and cement-lime mortars and plaster board. It can be also used for adhesion and sizing of heat cladding systems. It is suitable for adhesion on hydro insulation stopper **WATERFIN PV**. If adhesion bridge (promoter) **DENSOCRETE 222** is used, **PROFIX super** can be applied directly on old paving.

3. Physical and mechanical parameters

Requirements/results according to EN 12004

		Testing method	Requirements	Results
Adhesion to base (MPa)	initial	EN 1348	> 0.5	> 0.5
	after water contact	EN 1348	> 0.5	> 0.5
	after heat aging	EN 1348	> 0.5	> 0.5
	after freeze-thaw cycles	EN 1348	> 0.5	> 0.5
Open time: tensile adhesion (MPa)		EN 1346	> 0.5	> 0.5
Slip (mm)		EN 1308	< 0.5	< 0.5
Deformability: deformation (mm)		EN 12002	≥ 2.5 a < 5	2.8
Reaction to fire		EN 13501-1	E	E
Content of Cr ⁶ (%)		EN 196-10	≤ 0.0002	≤ 0.0002

Physical and mechanical parameters

Color	grey
Maximum layer thickness (mm)	10

4. Test certificates

Meets the requirements of EN 12004.

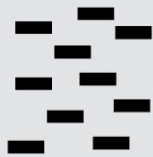
The product is certified according to Act No. 22/1997 Coll. and Regulation (EU) No 305/2011 of the European Parliament and of the Council (CPR). Continuous independent production quality control is provided by AZL 1687 LABBET®. Supervision of quality management, environmental and OSH systems is performed 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 surface of the repaired base. It is recommended to remove all tails and un-evenness. If the substrate consists of old paving or tiles it is necessary to apply adhesion bridge (promoter) **DENSOCRETE 222** prior to actual application of adhesive mortar.

Preparation of the mortar. The mortar is prepared by simple mixing with water using low speed propeller. 25 kg of dry mix (1 bag) is mixed with 3.6 liters of water. The mortar is then let sit for 10 minutes and quickly mixed again. Neither temperature of base nor temperature of ambient air shall be below + 5 °C and above + 30 °C.

Mortar is applied manually by finishing or tooth trowel in 10 mm maximum layer thickness on dry substrate. Adhered tiles or paving can be manipulated for up to 20 minutes from laying. Jointing can be done after 24 hours. Full loading can be applied after 28 days.



6. Specific consumption

Specific consumption of dry adhesive mortar is 1.8 kg/m² at 1 mm of layer thickness.

7. Packing and storage

The product is packed into 25 kg PE-lined paper bags. **PROFIX super** must be efficiently protected during transportation and storage against moisture. 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.

8. Health protection at work

Handling the **PROFIX super** dry rehabilitation 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 (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



11. CE marking

 1301		
BETOSAN s.r.o. Na Dolinách 28, 147 00 Prague 4		
08		
EN 12004:2007+A1:2012		
PROFIX super Improved, highly deformable cement adhesive with decreased slip and prolonged open time		
Adhesion to base (MPa)	initial	> 0.5
	after contact with water	> 0.5
	after heat aging	> 0.5
	after freeze-thaw cycles	> 0.5
Open time: tensile adhesion (MPa)		> 0.5
Slip (mm)		< 0.5
Deformability: deformation (mm)		≥ 2.5 and < 5
Reaction to fire		E
Content of Cr ⁶ (%)		≤ 0.0002

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