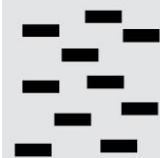


PROFIX E



8

SPECIAL MORTAR MATERIALS

BETOSAN

Adhesive composition

1. Product characteristics

Cement based adhesive containing improving admixtures suitable particularly for bonding natural stone, basalt, non-absorbent sintered ceramics etc.

- suitable for both interior and exterior
- perfect adhesion to non-absorbent sintered bases
- permanently water resistant
- highly frost resistant
- meets the requirements of EN 12004 for classification into C2TES1 group

2. Use

PROFIX E is a single-component dry adhesive composition intended especially for bonding natural stone, basalt, non-absorbent sintered ceramics etc.

It is particularly suitable for adhesion on cohesive materials from concrete, masonry, cement and lime-cement mortars. It is permanently water resistant and highly frost resistant and therefore is perfectly suitable for highly stressed and exposed surfaces.

3. Physical and mechanical parameters

Requirements / results according to EN 12004

	Testing method	Requirements	Results
Adhesion to base (MPa)	initial	EN 1348	> 0.5
	after contact with water	EN 1348	> 0.5
	after warm aging	EN 1348	> 0.5
	after thawing cycles	EN 1348	> 0.5
Open time: tensile adhesion strength (MPa)	EN 1346	> 0.5	> 0.5
Slippage (mm)	EN 1308	< 0.5	< 0.5
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
Bulk density (kg)	1 570 ± 30
Maximum layer thickness (mm)	10
Frost resistance 25 cycles	> 0.75
Adhesion to concrete (MPa)	> 1.5
Adhesion to basalt paving (MPa)	> 1.5
Compressive strength (MPa)	> 42
Tensile bending strength (MPa)	> 8.0

4. Test certificates

Meets the requirements of EN 12004:2007.

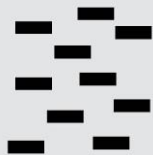
The product is certified according to Act no. 22/1997 Coll. and the Regulation (EU) no. 305/2011 (CPR). Continuous independent control of production quality ensures the AZL 1687 LABBET®. Supervision of quality management system, relation to the environment system and occupational health and safety system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

5. Instruction for preparation and application

Base must be flat, cohesive, load bearable. Any incoherent, loose or weatherworn particles and dust shall be completely removed from the surface of the surface. Absorbent cement, lime or lime-cement bases are advisable to prime by **DENSOCURE W forte** agent.

Adhesive composition preparation. The mix is single-component mixed with water only. 25 kg of the dry mixture (1 bag) is mixed with 3.0÷3.5 l of water.

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



Mortar application can be done by a tooth trowel or a steel float in a thickness from 4 mm on dry, resp. primed base. The bonding is preformed according to a specific technological procedure.

Workability time of the product is ca 20 minutes at 20 °C. At higher temperatures the workability time shortens.

6. Specific consumption

Specific consumption of the dry adhesive mortar amounts to 1.9 to 2.1 kg/m² at 1 mm of layer thickness.

7. Packing and storage

The product is packed into 25 kg PE-lined paper bags. **PROFIX E** 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.

8. Health protection at work

Handling **PROFIX E** adhesive 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		
8-19/072013		
PROFIX E Adhesive composition		
Adhesion to base (MPa)	initial	> 0.5
	after contact with water	> 0.5
	after warm aging	> 0.5
	after thawing cycles	> 0.5
Open time: tensile adhesion strength (MPa)		> 0.5
Slippage (mm)		< 0.5
Reaction to fire		E
Content of Cr ⁶ (%)		≤ 0.0002

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