

BETOSAN PURFLOOR 70

Polyurethane two-component self-levelling material

1. Product characteristics

BETOSAN PURFLOOR 70 is a two-component polyurethane self-levelling material

- solvent free
- water resistant
- for joint less floors in industry, office houses, shopping centers etc.
- suitable for both exterior and interior

2. Use

BETOSAN PURFLOOR 70 is a two-component self-levelling material for making of floors in industry office houses, showrooms etc.

Excellent self-levelling ability of **BETOSAN PURFLOOR 70** material ensures ideally smooth surfaces. The material is resistant to hydrolysis and most chemical substances. It is solvent free, highly flexible and mechanically durable. **PURCOAT 1C TOP** flexible coating is usually used as a top coat.

3. Physical and mechanical parameters

Color of composition	RAL shades
Hardening time (can be walked upon) 20 °C (hours)	24
Fully hardened	after 7 days
Tensile strength (MPa)	18.0
Compression strength (MPa)	85.0
Flexural strength (MPa)	20.0
Hardness (Shore D)	70
Shrinkage after hardening	0%

4. Test certificates

The product is certified by the Law No. 22/1997 Coll. and Government Decree No. 312/2005 Coll. Supervision of the quality system, EMS and OHSAS is carried out by Notified Body No. 204.

5. Instruction for preparation and application

Base preparation: **BETOSAN PURFLOOR 70** must be applied on a bearing, coherent and dirt (fat, resins, dust, etc.) free base. Dirt and incoherent layers must be mechanically removed. The base must have a tensile strength of at least 1.5 MPa. Moisture content should not exceed 4%. Porous bases must be primed with **EPOXPRIM SF 245** primer. After priming wait for 24 hours before application of the composition.

The composition is prepared by proper mixing of components A and B in a specified volume ratio. The volume ratio is the following:

BETOSAN PURFLOOR 70	component A (parts by mass)	component B (parts by mass)
	26	4

Components A and B are well mixed (at least for 3 minutes) in a vessel of sufficient size by an electric driven low-speed propeller mixer. The mixed composition must be poured in a different vessel before the application. The composition is equally poured and spread by a tooth trowel so that its spread as equally as possible in a thickness of 1.5 to 2 mm. The layer must be perfectly deaerated using a spiked roller.

Workability time: The mixed material must be used within 30 minutes at temperature of 20 °C. At lower temperatures it is recommended to preheat both components at temperature of 20 °C before mixing.

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

Note: Protect the coating against contact with water at least for 8 hours.

6. Packing and storage

BETOSAN PURFLOOR 70 component A is supplied in metal drums of 26 kg, component B is supplied in metal drums of 4 kg.

The shelf life of the product in original undamaged packing is 12 months. Protect against frost.

6 B

mineral floor systems

sheet
2

7. Specific consumption

Specific consumption amounts to 2.8 kg/m² per recommended layer thickness of 2 mm.

8. Health protection at work

Working with **BETOSAN PURFLOOR 70** two-component system requires adequate sanitary measures usual for work with materials on the polyurethane basis. First of all it is necessary to follow relevant provisions of Czech Standards ČSN 64 1301. The workplace shall be properly ventilated, workers shall have adequate personal protective equipment, and no eating, drinking or smoking is allowed while working.

In case of eye contamination it is necessary to rinse out eyes with clean water and immediately seek out medical aid. In case of accidental swallowing it is necessary to immediately cause vomiting and immediately seek out medical aid. In case of afflicted skin it is necessary to wash thoroughly the irritated skin with warm water and soap and treat it by a suitable reparative cream.

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 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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