

BETOSAN EPOXPRIM SF 245

Epoxy basic coating/primer

1. Product characteristics

BETOSAN EPOXPRIM SF 245 is a two-component epoxy resin for priming cement bonded bases

- basic coating under epoxy and PU materials
- transparent
- good workability
- solvent free

2. Use

BETOSAN EPOXPRIM SF 245 is a stable transparent basic solvent free coating for priming of cement and mineral bases before applying a polyurethane or epoxy coatings and levelling materials. Fills pores, cracks and non-homogeneities in concrete. Strengthens the surface and creates a protective water and damp-proof layer.

3. Physical and mechanical parameters

Color of composition	transparent
Workability at 20 °C	30 minutes
Viscosity (mPa.s)	520 ± 50 (composition)
Adhesion to concrete (MPa)	> 2.5
Drying out at 20 °C (hours)	6-8

4. Test certificates

The product is certified by the Law No. 22/1997 Coll. and Government Decree No. 312/2005 Coll. Continuous independent quality control is provided by accredited testing laboratory No. 095/2002, Horský s.r.o..

Supervision of the quality system, EMS and OHSAS is carried out by Notified Body No. 1020.

5. Instruction for preparation and application

Base preparation: **BETOSAN EPOXPRIM SF 245** 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 can be concrete or cement coatings (humidity < 5%).

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

BETOSAN EPOXPRIM SF 245	component A (parts by weight)	component B (parts by weight)
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Components A and B are well mixed in a vessel of sufficient size by an electric driven low-speed propeller mixer.

Neither temperature of base nor temperature of ambient air shall be below + 5 °C and above + 35 °C.

Consumption: amounts to 0.15÷0.3 kg/m² in dependence on the absorbability of the base.

The coating is applied preferably by a roller. To achieve a perfectly sealed surface, very absorbent substrates should be treated with a second layer after 6 hours. For better adhesion the still wet coating can be covered with a **BETOFIL FJ** quartz filler. Protect the coating against contact with water at least for 3 hours.

6. Packing and storage

BETOSAN EPOXPRIM SF 245 component A is supplied in metal drums of 2 or 4 kg, component B is supplied in metal drums of 1 or 2 kg. The shelf life of the product in original undamaged packing is 12 months. Protect against frost. For storing and manipulation, note that it is a flammable material of II. Class.

7. Health protection at work

Working with **BETOSAN EPOXPRIM SF 245** 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,

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mineral floor systems

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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.

BETOSAN EPOXPRIM SF 245 is a flammable material of II. Class. Powder or foam extinguishers must be used for extinguishing.

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).*

8. 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.

9. 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 are 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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