

BETOLIT KP NF W



Two-component primer on the basis of epoxy resins for surfaces with higher moisture content

1. Product characteristics

BETOLIT KP NFW is a specially formulated solution of epoxy resin containing special nanofillers, intended for impregnation and priming of concrete and other porous materials with higher moisture content. Meets the requirements EN 13813.

- supplied in specified ratio of each component; no measuring in-situ required
- clear, low-viscous
- high penetration ability even on surfaces with high moisture content

2. Use

BETOLIT KP NFW is a low-viscous solution of epoxy resin containing special nanofillers, intended especially for priming and impregnation of porous materials. Reduces dustiness and enhances mechanical resistance of concrete surfaces. It is used especially for priming coat under epoxy floors, when moisture content exceeds 4%.

3. Physical and mechanical parameters

Requirements / results according to EN 13813

Properties	Declared value or class
Adhesion	NPD
Impact resistance	NPD
Abrasion resistance „BCA“	NPD

Physical and mechanical parameters

Density under 23 °C (kg/m ³)	870 ± 35	
Drying-out	stage 1 (hours)	< 2
	stage 5-7 (hours)	< 24
Coat hardness after 3 days (%)	> 70	
Color	clear, yellowish	

4. Test certificates

Meets the requirements of EN 13813.

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, weathered or otherwise visibly damaged particles shall be removed from the base. The surface cannot be contaminated by substances negatively affecting adhesion of the coating to the base (fats, greases, oils, etc.). Tensile strength of surface layers of the base shall be at least 1.5MPa. The moisture content of the base should not exceed 8%.

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

BETOLIT KP NF W	component A (weight parts)	component B (weight parts)
	10	1

Workability. Workability of the mixed composition is 60 minutes at 20 °C.

Minimum temperature, under which can be the primer applied is 12 °C. Under lower temperatures the hardening time prolongs.

Application. In dependence on absorbability of the surface the coating is applied in one or two layers by an asphalt broom, brush, roller or any other practical measure. The primer shouldn't create a film on the surface. Working tools can be cleaned with **BETOFIL R** agent.

6. Specific consumption



Spreading capacity (specific consumption) of **BETOLIT KP NF** amounts to $100 \div 150$ g/ m² in dependence on absorability of the base.

7. Packing and storage

The **BETOLIT KP NF W** component A is supplied in cans of 10 kg or 1 kg and component B is supplied in specified ratio in cans of 1.0 kg or PE bottles of 0.1 kg.

The shelf life of the product in original undamaged packing is 24 months. During storing and transportation take into account that it's a flammable material of a I. Class.

8. Health protection at work

Work with a two-component system **BETOLIT KP NF W** requires adequate sanitary measures usual for work with materials on the epoxy basis. First of all it is necessary to follow relevant provisions of Czech Standards ČSN 64 1301 and ČSN 65 0201. 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.

BETOLIT KP NF W is a highly flammable material, 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 (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 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.

11. CE marking

 1301	
BETOSAN s.r.o. Na Dolínách 28, 147 00 Prague 4	
07	
7-22/072013	
EN 13813:2002	
BETOLIT KP NF W Primer on the basis of epoxy resins for surfaces with higher moisture content	
Adhesion	NPD
Impact resistance	NPD
Abrasion resistance „BCA“	NPD

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SYNTHETIC RESIN BASED MATERIALS

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