

TECHNICAL DATA SHEET	Edition 2	Version: 5
BK-HIDROSTOP 2	RZ-TLP-017-01	Date: 24.12.2021.

1. PRODUCT AND COMPANY INFORMATION

Commercial product name: BK-HidroStop 2

Manufacturer:

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2. DESCRIPTION, FIELD OF APPLICATION

BK-HidroStop 2 is a two-component, polymer-cement-based, waterproof, flexible coat. It is intended for both horizontal and vertical insulation of potentially damp areas (kitchens, bathrooms, swimming pools, basements, balconies, technical water basins, etc.). It is characterized by high strength and adhesion onto different surfaces, such as concrete, cement mortars, bricks, etc. It is intended for both internal and external use, for both positive and negative water pressure $\leq 1,5$ bar. It is suitable for insulating surfaces which are in long-term direct contact with water. The product is classified as a CM P according to EN 14891 and EN 1504-2.

3. COMPOSITION

Chemical composition: Component A: grey Portland cement, additives, mineral fillers.
 Component B: aqueous polymer emulsion.

Hazardous substances: In accordance with the (EC) Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures, through which the CLP/GHS classification and labeling system was introduced into law:

- ⚠ Component A: grey Portland cement component of the system is a hazardous ingredient and is classified as a hazardous product with the following label: Hazard,
- ⚠ Component B: it is not considered a hazardous product.

4. TECHNICAL CHARACTERISTICS

EN 14891	
Component A	
Bulk density, g/dm³	1150-1300
Component B	

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Density, g/dm³ (EN ISO 2811-1)	~1,000
Viscosity, mPas (EN ISO 2555)	1,000-4,000

Mortar characteristics

Adhesion, MPa (EN 14891)	
\blacktriangle normal conditioning	≥ 0.5
\blacktriangle after water conditioning	≥ 0.5
\blacktriangle after temperature aging	≥ 0.5
\blacktriangle after a freeze-thaw cycle	≥ 0.5
Adhesion after contact with chlorinated water, MPa (EN 14891)	≥ 0.5
Flexural strength after 28 d, MPa (EN 1015-11)	≥ 6,0
Compressive strength after 28 d, MPa (EN 101511)	≥ 10,0 Class CS IV according to EN 998-1
Crack bridging capability, mm (EN 14891)	≥ 0.75
Water resistance (EN 14891, EN 206-1 / HA)	≥ 0.5 (waterproof at 168 h at 150 kPa)
Hardened plaster density, g/dm³ (EN 1015-10)	1800
Indicative consumption, kg/m²	~1,50 depending of surface quality
Packaging, kg	16.6 comp. A + 5 comp. B;

EN 1504-2

Adhesion on surface, MPa (EN 1542)	1,0
Permeability CO₂, m (EN 1062-6 method A)	
Vapor permeability, m (EN 7783)	Sd=1,28
Thermal compatibility, MPa (EN 13687-1)	0,9
Cracking bridges, mm (EN 1062-7)	>2,5 na 23 °C i na -10 °C, class A5
Underwater penetration under negative hydrostatic pressure 1,5 bar (EN 12390-8)	No penetration

5. OTHER CHARACTERISTICS

Physical appearance: Component A: grey powder
 Component B: white liquid

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Component B odor: Specific of polymeric binders

Component B pH value: 7.5-8.5

Wet plaster pH value: 11-13

6. SURFACE PREPARATION

The surface to which the product is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. The following surfaces are appropriate: cement-lime mortars (at least one month old), concrete surfaces (at least three months old), fibercement and gypsum-cardboard panels, brick walls, bricks, etc.

Before applying the waterproofing, it is recommended to coat the BK-Ultra Prime substrate. In the case of old and unevenly absorbing substrates, as well as in the case of porous highly absorbent substrates, it is necessary to apply BK-Ultra Prime, min. 4h before applying waterproofing. In the case of surfaces that peel, wear and / or dust, it is necessary to remove all loose bonds and then impregnate the substrate with BK-Penetrat. It is necessary to wash the concrete surfaces well with hot water in order to remove the present impurities and then coat them with BK-Beton Kontakt.

In the case of coating surfaces infected with wall mold, it is necessary to disinfect with BK-Sanacid.

7. PREPARATION AND APPLICATION

Preparation of the mass is done by gently stirring powdery component A with the liquid component B without addition of the water, until the adequate consistency is reached. Allow the compound to rest for about 5 minutes and stir again. Apply the mass onto the prepared surface. Application is done using a brush, in two coatings, using the crisscross method. A third layer may be applied if needed. Individual layer thickness is around 1 mm. The next layer must be applied after the previous one has solidified. The total thickness of the coat must be at least 2 mm.

All intermissions and extensions in the concrete, etc. must be filled using the appropriate sealing material. Do not use waterproofing fillers on a surface which requires a layer thicker than 3 mm. Waterproofing sealing tape must be used in the corners in order to achieve quality of waterproofing. Apply the mass within 1 hour. Waterproofing coat should be protected from drying too quickly. After 12 hours from the application of the last layer, the surface is ready for laying ceramics (for gluing use flexible adhesives SiproFix BK-110 Flex, BK-160 Super Flex, BK-155 Rapid White, BK-170 Elastic or BK-160 White)

Air and surface temperature during installation should be in the +5 °C to +30 °C range. Do not work under direct sunlight, wind, or rain. After 24 hours of drying under normal conditions (T = + 23-25 °C, 50-60% r.v.v.), it is desirable to continue laying the tiles because during the long drying of the waterproofing coating, the absorbency of the substrate is significantly reduced.

8. CLEANING THE TOOLS

All tools must be thoroughly washed using water immediately after use. If the tools are not washed immediately after use, remove the hardened residue mechanically.

9. HANDLING AND STORAGE

Component A:

- ⤴ The material must be transported in sealed bags. If the product is used in closed rooms, make sure the space is well ventilated. Protect your eyes and skin when working with wet mortar due to an alkaline reaction. Keep out of reach of children.
- ⤴ Store the material in dry rooms, on pallets, protected from moisture.

Component B:

- ⤴ No special caution during use is needed when using the product properly. Keep out of reach of children.
- ⤴ Store at temperatures between +5 ° C and +25 ° C, protected from direct sunlight and frost.

Shelf life: 12 months.

10. PERSONAL PROTECTION

Respiratory tract protection: In case the process causes excessive dust, use a face mask (component A).

Hands and body protection: Use safety gloves. Wash hands using water each time the work is interrupted. Use long-sleeve work overalls.

Eye protection: Use safety goggles in order to protect the eyes from the dust and wet mortar.

11. REGULATION INFORMATION

Component A: In accordance with the (EC) Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures, through which the CLP/GHS classification and labeling system was introduced into law, grey Portland cement is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard



Hazard

Skin irritation, Category 2 H315

Skin sensitization, category 1: H317

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Severe eye damage, category 1: H318

Specific target organ toxicity - single exposure, respiratory tract irritation, category 3: H335

H-labels:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

P-labels:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

12. ECOTOXICOLOGICAL INFORMATION

Based on experiences and information currently available, no negative health effects are known when the product is used appropriately. Prevent uncontrolled discharge into waterways because an alkaline reaction may occur.

13. STORAGE

In accordance with local/regional/European/national regulations.

14. OTHER INFORMATION

If the contractor notices an aesthetic or application deficiency while using the mortar, he is obliged to cease the works and notify the manufacturer of this. The manufacturer will consider the claim in the shortest possible time frame. Complaints to the manufacturer upon using a significant portion or the entire amount of the materials are not subject to claims.

15. NOTE

Banja Komerc Bekament DOO performs product quality checks using its own laboratories. It also regularly tests its products in certified laboratories. The Data Sheet is the product of our knowledge and previous practical experience. The purpose of the Data Sheet is to serve as a recommendation in order to achieve the best possible results. If weather and other conditions are different than those described in our instructions, our instructions need to be taken as general guidelines, without an installation warranty.

Banja Komerc Bekament DOO assumes no liability for damages resulting from the improper use or incorrect product selection, as well as for poorly executed work. It is assumed that the contractor has mastered the techniques of installing and use of various products.

Matters written herein bind us in no way.

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Previous version: Version 2.4 - 14.04.2021.

Amendments: Chapters 1 and 11.