

PRODUCT DATA SHEET	Edition:1	Version:0
BK-Concrete Style	RZ-TLP-161	Date: 10/6/2020
Prepared by: Miljan Miljković	Approved by: Vesna Jovanović	

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Trade name of the product: BK-Concrete Style

Data on manufacturer:

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2. DESCRIPTION AND SCOPE

BK-Concrete Style is a mineral thin-layer decorative mortar intended for the protection and decoration of interior wall surfaces, while giving the visual effect of fresh concrete. It is characterized by good adhesion to the substrate, exceptional workability, high strength.

3. COMPOSITION

Chemical composition: Gray Portland cement, hydrated lime, polymer binder, additives, pigment and mineral fillers.

Hazardous ingredients: In accordance with Regulation (EC) No 1272/2008 on Classification, Packaging and Labeling of Hazardous Substances and Mixtures, which in legal terms introduced the CLP/GHS classification and labeling system, the components of gray Portland cement and lime are considered to be hazardous ingredients and the product is classified as hazardous with the following marking: Hazard.

4. TECHNICAL FEATURES

Bulk density, g/dm³ (EN ISO 2811-1)	1000-1100
Adhesion to the substrate, MPa (EN 1015-12)	≥0.30
Thermal conductivity - λ_{10°C dry}, W/mK (EN 1745 Table A.12)	0.41
Diffusion resistance factor - μ (EN 1745 Table A.12)	< 20
Capillary water absorption coefficient, kg/m² min0.5 (EN 1015-18)	Not defined, class W0 according to EN 998-1
Compressive strength at 28 d, MPa (EN 1015-11)	≥3.5 class CS III according to EN 998-1

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Flexural strength at 28 d, MPa (EN 1015-11)	≥2.0
Approximate consumption, kg/m²	2 - 2.5
Packaging, kg	20

5. OTHER FEATURES

Appearance: Gray powder

pH value (EN ISO 787-9): 11-13

Dry matter content (EN ISO 3251), %: > 99.5

6. SUBSTRATE

The surface on which the mortar is applied must be flat, dry, clean, free of loose parts, dust, water-soluble salts, grease and other impurities, which can prevent the good adhesion of the mortar to the substrate. Suitable substrates are all surfaces made of lime, cement and cement-lime mortars (at least a month old), gypsum cardboard and cement-fiber panels, concrete surfaces (at least a month old), etc. All old, poorly bound coatings need to be removed, repaired with an appropriate material, and only then proceed with the application of the primer. Before applying BK-Concrete Style mortar, the substrate should be coated with BK-Grund Universal primer. In the case of highly absorbent surfaces, it is recommended to coat with BK-Nivelator, while in the case of weak and flaking substrates, the surface must be coated with BK-Penetrat before applying BK Grund Universal. Substrate drying time before applying the mortar is min. 12 h.

Special attention should be paid to the preparation of the substrate because irregularities in the form of unevenness make it difficult to process the mortar and make it impossible to obtain a satisfactory structure.

7. PREPARATION AND APPLICATION

Preparation of the compound is done by lightly adding powder in 30-33% of water (6 - 6.6 l of water for 20 kg of powder), with constant mixing with an electric mixer until complete dissolution and homogenization. Leave the compound to rest for 10 minutes, then stir it once more and, if necessary, add a little more water to achieve the appropriate consistency. Apply the mortar in two layers. Apply and further process with a stainless-steel trowel. Apply the first layer evenly, in order to get as flat a surface as possible. Apply the second layer after ~ 6 hours, i.e. when first layer is dry. The total thickness of the layers should be approximately 1.5-2.0 mm. The desired texture is created immediately after applying the second layer of mortar, using a steel trowel (with rounded edges) or using a BK-Travertino comb. Obtaining a relief texture is achieved by touching ("tapping") the mortar with the surface of a trowel or thorns of the Decor comb for BK-Travertino. The final treatment is performed 15-20 minutes after applying the second layer, i.e. as soon as the material begins to dry ("cure"). Level the surface of the mortar with a clean or slightly moistened trowel, so that a smooth surface is

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obtained with imperfect details that characterize real concrete. BK-Concrete Style processing can be done in other ways as well. For example, on a fresh mortar, immediately after application, place a nylon foil, which needs to be leveled and ironed with a metal trowel, and then separated from the mortar after 24 hours.

Use the prepared compound within 2 hours.

The air and substrate temperatures during application should be in the range of +5 °C to +30 °C. After 6 h of drying under normal conditions (T=+23-25 °C, 50-60% RH), the mortar is touch-dry, and after 24 h, it can be painted over.

Subsequent painting of BK-Concrete Style mortar is done with a transparent coating BK-Velatura. Before painting with BK-Velatura, the surface of the mortar must be coated with BK-Penetrat diluted with water in a ratio of 1:3, or with BK-Ultra Prime, to reduce absorbency and avoid the possibility of staining, i.e. to allow a more even application of BK-Velatura coating. If you do not want to change the color of the mortar, BK-Concrete Style can be protected with BK-Aquaphobe.

8. CLEANING OF TOOLS

The tool should be thoroughly washed with water immediately after use. If the tool is not washed immediately after use, mechanically remove any hardened residues. Removal can be facilitated by immersing the tool in water for several hours.

9. HANDLING AND STORAGE

Ensure good ventilation when using BK-Concrete Style indoors. When working with wet mortar, protect eyes and skin due to its highly alkaline effect.

Store the material at temperatures from +5 °C to +25 °C, in dry and ventilated rooms. The date of manufacture is imprinted on the packaging.

Shelf life: 18 months.

10. PERSONAL PROTECTION

Respiratory protection: In case of heavy dusting, use protective mask.

Hand and body protection: Preventive use of protective gloves is recommended in case of repeated skin contact. Use a work suit with long sleeves and legs.

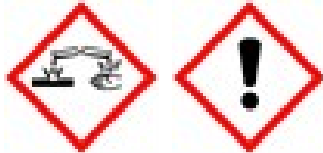
Eye protection: Wear safety goggles as a precaution to protect against dust and wet mortar.

11. REGULATORY INFORMATION

In accordance with Regulation (EC) No 1272/2008 on Classification, Packaging and Labeling of Hazardous Substances and Mixtures, which in legal terms introduced the

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CLP/GHS classification and labeling system, the components of gray Portland cement and lime are considered to be hazardous ingredients and the product is classified as hazardous with the following marking: Hazard.



Hazard

Skin irritation, category 2: H315
Skin sensitization, category 1: H317
Serious eye damage, category 1: H318

H-phrases:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

P-phrases:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and 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.
P501 Disposal of packaging in accordance with national regulations.

12. ECOTOXICOLOGICAL INFORMATION

Based on experience and existing information, no harmful health effects are known in case of proper use. Prevent uncontrolled discharge into drains and watercourses.

13. DISPOSAL METHOD

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

14. OTHER INFORMATION

If the contractor notices any aesthetic or application-related deficiency, it shall cease the works and notify the manufacturer thereof, who shall take the remarks into consideration in the shortest possible timeframe. Remarks, concerning the above characteristics, sent to the manufacturer after incorporation of a significant portion or the entire quantity of the material, cannot be the subject of a remark.

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15. NOTE

Banja Komerc Bekament DOO performs product quality checks using its own laboratories, and also regularly tests its products in certified laboratories. The Data Sheet is the product of our knowledge and previous practical experience and it should serve to all users as a recommendation for achieving 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 selection of product, as well as for poorly executed works. It is assumed that the contractor has mastered the techniques of incorporation and use of various products.

Matters written herein bind us in no way.

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