

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial product name: BK-Travertino Exterior&Interior

Details of the manufacturer:

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2. DESCRIPTION AND SCOPE OF APPLICATION

Application: BK-Travertino Exterior&Interior is a high-quality mineral-based mortar for decorative protection of indoor and outdoor surfaces. The product shows excellent adhesion to mineral surfaces, exceptional water-repellence, weather resistance and UV resistance properties. It has good breathability and excellent resistance to microbial growth. BK-Travertino is produced in white only and can subsequently be coloured by transparent coating BK – Velatura.

3. COMPOSITION

Chemical composition: white Portland cement, hydrated lime, polymer binder, additives, pigments and mineral fillers.

Hazardous components: According to Regulation (EC) no. 1272/2008 on Classification, Labelling and Packaging of Chemical Substances and Mixtures which introduced CLP/GHS classification system to legislation, slaked lime is a hazardous ingredient and is classified as hazardous substance labelled: Hazard.

4. TECHNICAL CHARACTERISTICS

Bulk density, g/dm³	1100-1400
Adhesive strength on concrete surfaces, MPa (EN 1015-12)	≥ 0.30
Thermal conductivity-$\lambda_{10^{\circ}\text{C dry}}$, W/mK (EN 1745 Table A.12)	0.51
Compressive strength after 28 d, MPa (EN 1015-11)	≥3.5 class CS III according to EN 998-1
Bending strength after 28 d, MPa (EN 1015-11)	≥ 2.0
Water vapour resistance μ (EN 1745 Table A.12)	< 20
Capillary water absorption coefficient-c, kg/m² min^{0.5} (EN 1015-18)	≤ 0.2 class W _c 2 according to EN 998-1
Package, kg	20

5. OTHER CHARACTERISTICS

RZ-TLP-077-01

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Appearance: White powder

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

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

Approximate consumption is 2.5-2.7 kg/m² depending on the application technique and thickness.

6. SURFACE

A surface on which mortar is applied must be flat, dry, clean, without loose components, dust, water-soluble salts, grease and other impurities, which can prevent proper adhesion to the substrate. All surfaces are appropriate, including: lime, cement and cement-lime mortars (at least one month old), reinforced layer of thermal insulation systems, plasterboard and cement boards, concrete surfaces, etc. The plastered surfaces should be dried for 28 days, and the final layer and reinforcing adhesive for 7 days

Before applying the mortar, surface has to be coated with BK-Ultra Prime, and in case of smooth surfaces, use BK Grund Universal.

Pay great attention to preparation of the surface, because any irregularity, such as unevenness, can complicate the use of mortar and make it impossible to make a satisfactory structure.

7. PREPARATION AND APPLICATION

Prepare the product by adding powder into 25% water until the mixture gets homogenous and without lumps (8 kg of powder requires ~2l of water; 20 kg of powder requires ~5l water). Leave the mixture for 10-15 minutes, mix it once more before application and add water to improve consistency, if required. Use the prepared mixture within 2 hours.

BK-Travertino E&I is applied in two layers using a stainless-steel trowel. First apply 1-2 mm thick, even layer of material. Apply the second layer after the first layer has completely dried. Thickness of the layer depends on the structure you require. Natural rock texture is created by appropriate tools which allow you to make irregular dents typical for travertine. Additional mortar effect can be achieved by levelling the receding material with metal trowel. When the material dries on the surface (about 2 hours of drying under normal conditions), an appropriate tool may be used to shape grout spaces in a way that imitates the appearance of stone blocks.

Air and surface temperature during application must be in range between +5 °C and +30 °C. Do not work in direct sunlight, fog, wind and rain. Mortar becomes dry on touch after 6 h in normal conditions (T=+23-25 °C, 50-60 % rh). High humidity and low temperatures can significantly prolong binding time of mortar. Weather resistance is achieved after at least 24 h of drying in normal conditions.

In order to achieve a more effective finishing BK-Travertino E&I is subsequently coated with BK-Velatura, after being left to dry at least for 24 h in normal conditions.

Subsequent painting of BK-Travertino mortar is done with a transparent coating of BK-Velatura. In the case of work at high temperatures as well as in the case of BK-Travertino mortar that has been dried for a long time, it is recommended to pre-coat

the surface with BK-Penetrat to reduce absorbency and allow more even application of BK-Velatura coating.

8. TOOLS CLEANING

Tools must be thoroughly cleaned after use. If tools are not cleaned immediately after use, remove hardened residue mechanically. Residue may be easier to remove if tools are left in water for several hours.

9. HANDLING AND STORAGE

If used properly, there are no special handling precautions. Keep away from children. Store at temperatures between +5 °C and +25 °C, in dry and well-ventilated room. Date of manufacture is printed on the package

Expiration date: 18 months when kept in original, closed container.

10. PERSONAL PROTECTION

Respiratory protection: In case of dusting use face mask.

Hand and body protection: Preventive use of protective gloves and protective suits with long sleeves and legs.

Eye protection: Use protective glasses to protect from dust and wet mortar.

11. REGULATIONS

In accordance with Regulation (EC) no. 1272/2008 on Classification, Labelling and Packaging of Chemical Substances and Mixtures which introduced CLP/GHS classification system to legislation, system components - white Portland cement and lime are hazardous components and the product is therefore classified as hazardous marked with: Hazard.



Hazard.

Skin irritation, category 2: H315

Sensitisation, category 1: H317

Serious eye damage, category 1: H318

H-statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

P-statements:

RZ-TLP-077-01

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P280 Wear protective gloves/protective clothing/eye protection/face.
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.
P310 Immediately call a poison centre/doctor.
P501 Dispose of container in accordance with national regulations.
Contains: white Portland cement and calcium hydroxide

12. ECOLOGICAL INFORMATION

Based on experience and available information, the product has no negative effects if used properly. Prevent uncontrolled discharge into sewage and watercourses.

13. DISPOSAL

Dispose in accordance with local/regional/European/national regulations.

14. OTHER INFORMATION

Certain deviations of the shade of mortar from different batches are possible due to the use of natural mineral fillers. The total amount of mortar for one object must be ordered at once. If mortar from different batches is used on one facade surface, it is necessary to perform equalization in order to avoid unevenness of the material. If a contractor notices an aesthetic or application deficiency while using the material, he is obliged to immediately stop working and notify the manufacturer of the situation. The manufacturer will consider the claim in the shortest possible time. Claims regarding aesthetic characteristics, which are sent to the manufacturer after using most or all of the material will not be considered.

15. NOTE

Banja Komerc Bekament DOO performs product quality checks in its own laboratories and regularly test the products in certified laboratories. Technical data sheet is the result of our current knowledge and experiences and should be seen as a recommendation for all users on how to achieve the best results. If weather or other conditions differ from those mentioned in our instructions, then instructions should be considered as guidelines, not as a guarantee for installation.

Banja Komerc Bekament DOO has no liability for damages which may occur as the result of improper use or improper selection of products, as well as of inadequate work. It is assumed that the user has mastered techniques required for installation and use of various products.

Anything written in the document is in no way binding to the company.

This document supersedes all previous versions, which are considered invalid from the following date.

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RZ-TLP-077-01

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