

TECHNICAL DATA SHEET	Issue: 1	Version: 4
BK-TEROFA	RZ-TLP-028-01	Date: November 21st 2018

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Commercial product name: BK-Terofa

Information on the manufacturer:

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2. DESCRIPTION AND SCOPE OF APPLICATION

BK-Terofa is a precious thin-layered mineral mortar on lime-cement basis with characteristic structure of shotcrete mortar. It is intended for all substrates of lime-cement and cement mortars for indoor and outdoor use.

BK-Terofa mortar is characterized by high strength, vapour permeability, and resistance to the formation of wall algae and mould. The material is not recommended as a finishing decorative mortar within Bekatherm thermal insulation systems.

3. COMPOSITION

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

Hazardous substances: In accordance with the (EC) Regulation No. 1272/2008 on classification, labelling and packaging of hazardous substances and mixtures, through which the CLP/GHS classification and labelling system was lawfully introduced, white Portland cement and lime are hazardous substances, so the product is therefore classified as hazardous, and labelled with: Hazard.

4. TECHNICAL CHARACTERISTICS

Bulk density, g/dm³	1200-1500
Capillary water absorption coefficient, kg/m² min^{0,5} (EN 1015-18)	≤ 0,4 Class W ₁ according to EN 998-1
Compressive strength after 28 d, MPa (EN 1015-11)	≥ 7,0 Class CS IV according to EN 998-1
Flexural strength after 28 d, MPa (EN 1015-11)	≥ 1,5
Indicative consumption, kg/m²	~3-4
Packaging, kg	25;

5. OTHER CHARACTERISTICS

Physical appearance: White powder

Wet adhesion pH value: 11-13

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BK-Terofa is produced exclusively in white and is not intended for shading using Bekament shading agents. Due to the high pH value of the mineral mortar, in the event of its shading, colour unevenness may occur on the facade surface, which is manifested as colourful appearance and distinctive and/or irregular discoloration of mortar over time.

The subsequent painting of the mineral mortar can be done by painting with dispersion paints on an acrylic or silicate basis, in a limited choice of shades, with the necessary application of the appropriate primer. The optimum drying time of the mineral mortar, for the best results in terms of colouring, is 28 days.

6. SUBSTRATE

The substrate to which the mortar is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. The following surfaces are appropriate: lime, cement and cement-lime mortars (at least one month old), cement-fibre boards, concrete surfaces (at least one month old), and similar. Before applying the mortar the substrate should be coated with BK-Grund Universal. In case of very absorbent substrates it is recommended to apply the BK-Nivelator, while in case of weak and porous substrates, surface should be coated with BK-Penetrat before applying the mortar. Substrate drying time before application of mortar is min. 12 h.

Great attention should be paid to preparation of substrates because irregularities in the form of unevenness make it difficult to process mortar and prevent obtaining of a satisfactory structure.

7. PREPARATION AND APPLICATION

Preparation of the product is performed by lightly adding the powder into about 28 % of water (6-7 l of water to 25 kg of powder), with constant stirring using an electric blender until the mass becomes fully homogenized. The mass must be left to set for at least 10 minutes. After that, stir yet again and, if needed, add water in order to set the appropriate adhesive consistency.

The mortar is applied by means of a needle roller, whereby the obtained structure is similar to a sprayed facade. In order to obtain as uniform structure as possible, mortar must be applied quickly, evenly and without interruption on a continuous wall surface. It is recommended to apply in several phases and thinner coatings, because the thick coating leads to the flowing and cracked structure of the mortar. Between the two applications wait until the mortar surface dries. Use the prepared material within 2 h.

Air and substrate temperature during the installation should be in the range of +5 °C to +30 °C. Do not work in direct sunlight, fog, wind and rain. After 6 h of drying at normal conditions (T=+23-25 °C, 50-60 % r.h.) the mortar is dry when touched. High humidity and low temperatures may prolong the mortar setting time significantly. Resistance to precipitation is achieved after 24 h of drying under normal conditions.

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

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 adhesive due to an alkaline reaction.

Store the material in dry rooms, on pallets, protected from moisture.

Shelf life: 12 months.

10. PERSONAL PROTECTION

Respiratory protection: In case the process causes excessive dust, use a protective mask.

Hands and body protection: Use safety gloves preventively and overalls with long sleeves and long legs.

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

11. INFORMATION ON REGULATION

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 labelling system was lawfully introduced, white Portland cement and lime are hazardous substances, so the product is therefore classified a hazardous, labelled with: Hazard.



Hazard

Skin irritation, Category 2: H315

Skin sensitization, Category 1: H317

Serious eye damage, Category 1: H318

Specific target organ toxicity - one-time exposure, irritation of respiratory organs, Category 3: H335

H-statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

P-statements:

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 victim to fresh air and keep at rest in a position comfortable for breathing.

12. ECOTOXICOLOGICAL INFORMATION

Based on experiences and information currently available, no negative health effects are known when the product is used properly. Prevent uncontrolled discharge into sewage and waterways due to alkaline reaction.

13. DISPOSAL METHOD

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

14. OTHER INFORMATION

Certain deviations from the shade of mortar from different batches are possible due to the use of natural mineral fillers. The total quantity of mortar for one object must be ordered at once. If a plaster from different batches is used on a single facade surface, it is necessary to carry out an equalization to avoid material unevenness.

Banja Komerc Bekament DOO does not guarantee full matching of plaster from different batches, deviations in shade cannot be subject to reclamation.

If the contractor notices an aesthetic or application deficiency while using the mortar, he is obliged to cease the works and notify the manufacturer thereof, who shall take the remarks into consideration in the shortest possible time frame. Remarks sent to the manufacturer after incorporation of a significant portion or the entire quantity of the material, in relation with aesthetic properties, cannot be the subject of complaint.

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 and it should serve to all users 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 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.

This document replaces all previous versions which, starting from the stated date, are considered invalid.

Date of preparation: January 14th 2013

Previous version: 1.3- of May 29th 2015

Changed chapters: 2, 4, 5, 6, 7 and 11.