

## 1. PRODUCT AND COMPANY INFORMATION

**Commercial product name:** BK-Banjalit

**Manufacturer:**

Banja Komerc Bekament DOO  
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## 2. DESCRIPTION, FIELD OF APPLICATION

BK-Banjalit is a noble lime-cement-based mineral plaster. It is used for the decorative protection of facades and inside walls. The mineral plaster is produced in white color. Its granulation is 2 mm.

BK-Banjalit is characterized by hardness vapor permeability, good adhesion to the base, as well as resistance to wall algae and mold. BK-Banjalit is not recommended as a final decorative plaster within the Bekatherm thermal insulation systems.

## 3. COMPOSITION

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

**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, components of the cement and lime are hazardous substances. The product is therefore classified a hazardous one with the following label: Hazard, Caution.

## 4. TECHNICAL CHARACTERISTICS

<b>Bulk density, g/dm</b>	1,200-1,500
<b>Capillary water absorption coefficient, kg/m<sup>2</sup> min<sup>0,5</sup> (EN 1015-18)</b>	≤ 0.2 Class W <sub>2</sub> according to EN 998-1
<b>Compressive strength after 28 d, MPa (EN 1015-11)</b>	>7.0 Class CS IV according to EN 998-1
<b>Flexural strength after 28 d, MPa (EN 1015-11)</b>	>1.2

<b>TECHNICAL DATA SHEET</b>	Edition: 2	Version: 0
<b>BK-BANJALIT</b>	<b>RZ-TLP-028-02</b>	<b>Date: 7.12.2020.</b>

<b>Indicative consumption, kg/m<sup>2</sup></b>	~2.7-3.3
<b>Packaging, kg</b>	25;

## 5. OTHER CHARACTERISTICS

**Physical appearance:** White powdery mass

**Fresh plaster pH value:** 11-13

BK-Banjalit is produced exclusively in white color and is not intended for toning using Bekament shading products. Due to a large pH value of the mineral plaster, if it is shaded, uneven parts on the facade surface may occur. These are manifested in the form of various colorations and very obvious and/or irregular fading of the plaster over time.

The mineral plaster may be subsequently painted over using acrylic or silica-based dispersion paints in a limited number of colors. It takes at least 7 days for the plaster to dry out. The optimal time for the mineral plaster to dry, in order to achieve the best results at painting, is 28 days.

## 6. SURFACE PREPARATION

The surface to which the plaster is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. Lime, cement, and cement-lime mortars (at least one month old), cement-fiber panels, concrete surfaces (at least one month old), etc. are all appropriate surfaces. All old coatings which did not take proper hold must be removed. In the case of highly absorbent, old, dry, and/or surfaces which create dust, before applying the mortar, the surface must be coated using the primer BK-Grund Universal. In the case of highly absorbent substrates, it is recommended to coat them with BK-Nivelator, while in the case of weak and dilapidated substrates the surface should be coated with BK-Penetrat before applying plaster. The primer must be left to dry before applying plaster for at least 12 hours.

Much care should be given to preparing the surface because any irregularities in the form of uneven surfaces make any corrections of the plaster more difficult. At the same time, these also do not permit reaching the appropriate structure.

## 7. PREPARATION AND APPLICATION

Preparation of the mass is performed by lightly adding the powder into about 28 % of water (about 6,5 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 slightly more water in order to set the appropriate consistency.

The plaster shall be applied manually using a stainless metal trowel. Its thickness must be the one of the roughest grain. Work the plaster several minutes after it becomes dry using a piece of Styrofoam. Depending on the desired structure, motions can be made vertically or horizontally. A structure obtained through this technique is reminiscent of oak bark.

Structuring may also be performed through circular motions, depending on the needs of the buyer.

Work must be even and without interruptions in continuous wall surfaces so as to avoid any irregularities created due to the adhesion of surfaces, irregular drying, etc. The prepared mass must be used within 2 hour.

Air and basis temperature during installation should be in the +5 °C to +30 °C range. Do not work under direct sunlight, wind, or rain. After 6 h of drying under normal conditions (T=+23-25 °C, 50-60 % r.a.h.) the plaster is dry to touch. High humidity and low temperatures may significantly prolong the time for plaster to adhere. The resistance to precipitation is achieved after minimum 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 mortar due to an alkaline reaction.

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

Shelf life: 12 months.

## 10. PERSONAL PROTECTION

Respiratory tract protection: In case the process causes excessive dust, use a face mask.  
Hands and body protection: Use protective gloves and long-sleeve work overalls as a preventative measure.

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

## 11. REGULATION INFORMATION

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, components of the Portland cement and lime are hazardous substances. The product is therefore classified a hazardous one with the following label: Hazard, Caution.



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Hazard

Caution

Skin irritation, Category 2 : H315  
Skin sensitization, Category 1 : H317  
Heavy eye damage, Category 1 : H318  
Specific target organ toxicity - one-time exposure, irritation to respiratory organs, category 3: H335

**H-labels:**

H315 Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause irritation to respiratory organs.

**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: Seek medical advice/opinion.  
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: Take the injured person to fresh air and place in resting position which does not obstruct 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 sewage and waterways.

## 13. STORAGE

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

## 14. OTHER INFORMATION

Certain deviations of the plaster shade from different batches in terms of color are possible due to the use of natural mineral fillers. All mortar for a single object must be ordered at one time. If plaster is from different batches is being used on a single facade surface, the surface must be made uniform so as to avoid any uneven surfaces. Banja Komerc Bekament DOO does not guarantee a complete match of plasters from various batches. Deviations in terms of tone are not subject to claims. If the contractor notices an aesthetic or application deficiency while using the plaster, 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 regarding the aesthetic characteristics upon using a significant portion or the entire amount of the materials are not subject to claims.

RZ-TLP-028-02

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## 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.

This document replaces all previous versions. All previous versions, starting with the listed

date the document was compiled, are void.

Date: December 26 2011

Previous version: Version 1.5. - 20.11.2018.

Amendments: Chapters: 7