

**TECHNICAL DATA SHEET**

Version: 2

Edition:3

**BK-GLETEX**
**RZ-TLP-022-01**
**Date: June 16 2019**
**1. PRODUCT AND COMPANY IDENTIFICATION**
**Commercial product name:** BK-GletEx

**Manufacturer:**

Banja Komerc Bekament DOO

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**2. DESCRIPTION AND SCOPE OF APPLICATION**

BK-GletEx is a powdery mineral-based coat used for thin-layered smoothing out wall surfaces in the internal environment. BK-GletEx features excellent processability and easy sanding. It is manually applied in the total thickness of up to 4 mm.

**3. COMPOSITION**
**Chemical composition:** Calcium hydroxide, polymer binder, additives, 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, lime is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard.

**4. TECHNICAL CHARACTERISTICS**

<b>Bulk weight, g/dm<sup>3</sup> (EN 1097-3)</b>	800-900
<b>Adhesion on the substrate, MPa (EN 1015-12)</b>	≥0.3
<b>Thickness of the coating</b>	1-2 per coating, 4 mm for a two-layer coating
<b>Compressive strength, MPa (EN 1015-11)</b>	≥0,8 (Class CS I according to EN 998-
<b>Capillary water absorption, kg/m<sup>2</sup> min<sup>0,5</sup> (EN 1015-18)</b>	≤0,4 (Class CS 1 according to EN 998-1)
<b>Indicative consumption, kg/m<sup>2</sup>/mm</b>	~1,0

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<b>Reaction to fire (according to EN 13501-1)</b>	A1
<b>Vapor permeability, <math>\mu</math> (according to EN 1015-19)</b>	$\leq 15$
<b>Heat conductivity, <math>\lambda_{10}</math>, dry, W / (mK) (according to EN 1745:2012)</b>	$\leq 0.45$ (table value for P=50%)
<b>Packaging, kg</b>	5; 25

## 5. OTHER CHARACTERISTICS

**Physical appearance:** White powder

**pH value of the fresh plaster mass:** 11-13

Due to the specific composition, the plaster mass may act aggressively during subsequent applications of dispersion paints. It is therefore recommended to apply the BK-Podloga before painting.

## 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 and gypsum-lime mortars (at least one month old), unproblematic concrete surfaces (at least one month old), surfaces smoothed with mineral-based smoothing compounds, fiber-cement and gypsum-cardboard panels, as well as surfaces with non-soluble dispersion paints which have taken solid hold.

In case of application to quality mineral surfaces, as well as to well-bonded dispersion paints, BK-Ultra Prime should be applied to the surface first, to ensure better bonding of the skimming compound. In case the surface is excessively absorbent, impregnation using BK-Nivelator is recommended. In case of surfaces which are peeling, chipping and/or crumbling, it is necessary to remove all layers which are poorly bonded, and then impregnate the surface with BK-Penetrat.

In case of skimming the mould-infested surfaces, it is necessary to disinfect them by using BK-Sanacid. While uniforming surfaces in question that have been previously treated with oil-based paints, varnishes, etc, a complete removal of all existing spreads must be performed.

## 7. PREPARATION AND APPLICATION

Preparation of the mass is performed by lightly adding the powder into about 36 % of water (about 9 l of water to 25 kg of powder or around 1.8 l of water to 5 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.

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The mass is applied manually using a stainless metal trowel. Application is typically performed in two layers, each 1-2 mm thick, total thickness of up to 4 mm for a two-layer coating. Application of the second layer is done after the first layer is completely dry. In normal conditions (T=+23-25 °C, relative humidity=50-60 %), this takes 6-8 hours. Before applying the second layer, the first layer must be sanded off using fine sanding paper either manually or using a machine (choose the appropriate sanding paper, 180 to 240 fineness factor, depending on the technique and purpose). The same process must be applied with the final layer.

Air and basis temperature during installation should be in the +5 °C to +30 °C range.

Mass prepared in such a manner is good for use for at least 3 to 4 days. In order to prevent the creation of a crust, cover the surface with a small amount of water. Drain the water and re-stir the mass before proceeding with the installation

**8. CLEANING OF 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 plaster mass 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 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 plaster mass.

**11. REGULATION INFORMATION**

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labeling system was introduced into law, lime is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard.



Hazard

Heavy eye damage, Category 1

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H318 Causes heavy eye damage.

**P-labels:**

P280 Wear safety gloves/ work overalls/ safety goggles/ face protection

P305+P351+P338 IF IT TOUCHES THE EYES: Carefully rinse with water for several minutes. Remove contact lenses, if applicable, and if this can be done. Continue rinsing.

**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**

If the contractor notices an aesthetic or application deficiency while using the material, 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.

**14. 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, which as of the above date of making of this one are considered invalid.

Date: 02.12.2011.

Previous version: Version 2.2-26.12.2018..

Amendments: Chapters: 6.

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