

TECHNICAL DATA SHEET	Issue: 3	Version: 1
BK-KUL	RZ-TLP-002	Date: 09.03. 2023
Issued: Jelena Tomković		Approved: Vesna Jovanović

1. PRODUCT AND COMPANY INFORMATION

Commercial product name: BK-Kul

Manufacturer:

Banja Komerc Bekament DOO
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34304 Banja
Arandelovac
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2. DESCRIPTION, FIELD OF APPLICATION

BK-Kul is a decorative mosaic high-quality acrylic based plaster. It is also produced using a multicolor marble grain. It is primarily intended for the protection of the sub-wall and pillars in the interior and exterior. It is characterized by solid adhesion to the surface, exquisite workability, high level of hardness, and waterproof abilities. It is not intended for installation on complete facade surfaces as a final layer of the thermal insulation system. Limit the application to details (angle pieces, pillars, other less unbound surfaces). BK-Kul is not recommended for use on horizontal surfaces which are exposed to the direct effects of stagnant water. Grain size: 1.5 mm

3. COMPOSITION

Chemical composition: Aqueous polymer dispersion, water, additives, multi-colour marble grains.

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, this product is not classified as a hazardous product.

4. TECHNICAL CHARACTERISTICS

Density, g/dm (EN ISO 2811-1)	1,500-1,700
Adhesion, MPa (EN 1542)	> 0,3 MPa according to EN 15824
Water absorption, kg/(m² h^{0,5}) (EN 1062-3)	0.1-0.5 (Class W ₂ according to EN 15824)
Vapor permeability, g/(m² d) (EN ISO 7783-2)	> 150 (Class V ₁ according to EN 15824)
Diffuse resistance coefficient-μ (EN ISO 7783-2)	< 20

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Heat conductivity-$\lambda_{10,dry}$, W/(m.K) (EN 1745 Table A.12)	0.35
Indicative consumption, kg/m	~5
Packaging, kg	8, 25;

5. OTHER CHARACTERISTICS

Physical appearance: Pasty multi-colour grain mass

Odor: Specific of polymeric binders

pH value (EN ISO 787-9): 8-10

Dry matter content (EN ISO 3251), %: ~85

VOC* content, g/l: < 10 (maximum allowed value A (c) 40 g/l)

*VOC: Volatile Organic Compound;

BK-Kul is manufactured in the standard 28 colours. Other combinations on the base of coloured grains may be made at the request of customers.

6. SURFACE PREPARATION

The surface to which the plaster is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. The following surfaces are appropriate: cement-lime mortars (at least one month old), fiber-cement panels, concrete surfaces (at least one months old), gypsum-cardboard panels, brick walls, etc. Before application, the surface must be coated using primer BK-Acryl. The primer must be left to dry before applying mortar for at least 12 hours.

If it is applied on thermal insulation systems, it is necessary to apply BK-Penetrant on the adhesive layer first. After drying BK-Penetrant, apply BK-Acryl or BK-Grund Universal substrate in an approximate shade of mosaic mortar.

If it is applied on thermal insulation systems, it is necessary to apply BK-Penetrant first on the adhesive layer, then BK-Acryl substrate before applying the mosaic mortar.

Much care should be given to preparing the surface, because any irregularities in the form of unevenness make it difficult to process the mortar and make it impossible to obtain an evenly smoothed surface.

7. PREPARATION AND APPLICATION

Before use, the plaster must be stirred well. As needed, dilute using a small amount of water up to 1 % (250 ml/25 kg) with the objective of adjusting the plaster consistency until the mass becomes foamy. Mixing the plaster must be done by pouring it from one bucket into the other, by hand, or using a slow-rotating electric blender. Mixing the material using a standard fast-rotating electric blender may lead to damages of the colored marble grains and thus to turbidity and discoloration of the emulsion. The plaster is applied manually using a stainless metal trowel in the 2-2.5 mm width in the upward direction. Smooth out the material using the same tools in one direction immediately after

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application. The spread must be even, without empty spaces between grains. While smoothing out the surface, the tools must periodically be cleaned and excess emulsion must be removed in order to avoid the mass from becoming murky after drying. The murkiness is manifested in the form of milky white stains on the surface of the plaster (this is especially true for darker shades).

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. If mortar from different batches is used on one continuous surface, it is necessary to perform equalization in order to avoid the unevenness of the shade.

Air and surface temperature during installation should be in the +5 °C to +30 °C range. Do not work under direct sunlight, wind, or rain. Plaster resistance to washing off due to rainfall is achieved after at least 24 hours of drying under normal conditions. High moisture and low temperatures may significantly lengthen the time it takes for the plaster to bind.

NOTE: In the case of preparation of black shade K 129, BK-Kul component A must be tinted with colorant B06, namely: BK-Kul component A 7/1 should be tinted with 30ml of colorant B06, and BK-Kul component A 2.2/1 with 10ml of colorant B06.

8. MAINTENANCE

BK-Kul mortar does not require any particular maintenance. It is recommended that the surface is occasionally dusted off. Any possible impurities may be removed using warm water and a universal house cleaning supply (laundry detergent/dish soap). After that, rinse using a stream of water. No cleaning or washing using abrasive products or tools is permitted.

9. 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. Removal may be easier if the tools are submerged in water over a period of several hours.

10. HANDLING AND STORAGE

No special caution during use is needed when using the product properly. Keep out of reach of children.

Store at temperatures between +5 ° C and +25 ° C, protected from direct sunlight and frost.

Shelf life: 18 months.

11. PERSONAL PROTECTION

Respiratory tract protection: Not needed when the rooms are well aerated.

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Hands and body protection: When the skin is repeatedly exposed to the mass, a preventative use of protection gloves is recommended. Use long-sleeve work overalls.
Eye protection: Use safety goggles as a preventative measure.

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 in relation to the appropriate shade in the colour chart are possible due to the use of natural and colored grains. The uneven character of colour shading of plaster installed may be the consequence of inappropriate conditions at installation, less time spent on making the surface uniform, differences in absorption, and the roughness of the surface.

Darker shades of BK-Kul mosaic plaster are characterized by partial whitening of the surface in conditions of long-term exposure to water. This appearance is not the result of the defect of the material and is not subject to claims. The phenomenon is irreversible.

All plaster for a single object must be ordered at one time. Banja Komerc Bekament DOO does not guarantee a complete match of shades of mortars 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 mortar, 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.

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

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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.

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Amended chapters: 7.