

TECHNICAL DATA SHEET

Issue: 2

Version: 1

BK-MICROGRUND UNIVERSAL**RZ-TLP-019****Date: 24.12.2021.****1. PRODUCT AND COMPANY INFORMATION****Commercial product name:** BK-MicroGrund Universal**Manufacturer:**

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BK-MicroGrund Universal is a universal structural primer which contains microfibers. It is used for uniforming, neutralization, hardening and adding a waterproof character to the surface before applying acrylic and silicone facade paints and decorative plasters. It is used as a primer for critical surfaces because it has the ability to fill in and bridge thin cracks in the surface layer (crack width maximum 0.5 mm). It is most commonly used in combination with BK-MicroFas Acryl and BK-MicroFas Silicon.

It is considered an eco-product not harmful to human health or the environment. It does not contain organic solvents.

3. COMPOSITION

Chemical composition: Aqueous polymer emulsion, water, microfibers, additives, pigments, and 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, this product is not classified as a hazardous product.

4. TECHNICAL CHARACTERISTICS

Density, g/dm³ (EN ISO 2811-1)	1,550-1,700
Adhesion to the surface, MPa (SRPS U.M8.002)	≥ 1,0
Particle size, µm (EN 1524)	< 1,500 (S ₃ according to EN 1062-1)

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Viscosity, mPas (EN ISO 2555)	10,000-15,000
Indicative consumption, g/m²	~200-250
Packaging, kg	8; 25;

5. OTHER CHARACTERISTICS

Physical appearance: White or colored viscous

liquid **Odor:** Specific of polymeric binders

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

Dry matter content (EN ISO 3251), %: ~75

VOC* content, g/l: < 2 (maximum value allowed A (g) 30 g/l)

*VOC: Volatile Organic Compound;

Possibility of choosing shades according to Bekament's color charts with an unlimited selection of colors. We do not guarantee a complete match according to the color charts of other manufacturers, nor do we guarantee absolute repeatability of shades.

6. SURFACE PREPARATION

The surface to which the primer is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. The following surface are appropriate: lime, cement, and cement-lime mortars (at least one month old), concrete surfaces (at least one month old), surfaces where work has been done using construction adhesives, surfaces smoothed out with quality leveling masses (the age depends on the type), as well as surfaces with colors or mortars which have taken on dispersion colors, etc. All old coatings which did not take proper hold must be removed. In case of painting the surfaces infected with wall molds, it is necessary to disinfect with BK-Sanicide.

When the surfaces in question have been previously treated with oil-based paints, varnishes, etc, a complete removal of all existing spreads must be performed.

7. PREPARATION AND APPLICATION

The mass must be stirred before use. After that, dilute the mass with about 10-15 % of water (0,8-1,2 l of water for a package of 8 kg, 2,5-3,75 l of water for a package of 25 kg). The primer is usually applied using a long-haired roller in two layers by the crisscross method. Drying time between the layers is at least 4 hours. When applying the product onto large facade surfaces, roller used to conduct the work must always contain paint on it. This is done in such a manner that the roller is run across the surface multiple times in different directions in order to avoid grouping the filler in one spot only.

It is recommended that the BK-MicroGrund Universal shade be of the same shade as that of the final dispersion paint or plaster. The drying time in normal conditions (T=+23-25 °C, relative humidity=50-60%), before applying the paint or mortar is at least 24 hours.

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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. High moisture and low temperatures may significantly lengthen the drying time.

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

9. 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.

10. PERSONAL PROTECTION

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

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.

11. 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.

13. OTHER INFORMATION

Certain deviations of the primer shade in relation to the appropriate shade in the color chart are possible due to the use of natural mineral fillers. Banja Komerc Bekament DOO does not guarantee a complete match of shades 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 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

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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: 24.12.2021

Previous version: 2.0 – 14.12.2020.

Amended chapters: 1.