

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Commercial product name: BK-Grund Silicat

Manufacturer:

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2. DESCRIPTION AND FIELD OF APPLICATION

BK-Grund Silicat is a structural silicate-based primer with organic additives. It is used for smoothing out, neutralization, hardening of the surface and increasing the adhesion while applying silicate paints and decorative plasters. It may be used both externally and internally. Due to its specific way of binding with the surface, it is suitable for use during the renovation of old facades and cultural monuments.

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

3. COMPOSITION

Chemical composition: Potassium silicate, aqueous polymer emulsion, water, 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, this product is not classified as a hazardous product.

Note: The product is alkaline. It may irritate the eyes or skin. In the case of contact with eyes or skin rinse thoroughly with water.

4. TECHNICAL CHARACTERISTICS

Density, g/dm³ (EN ISO 2811-1)	1,550-1,750
Adhesion to the surface, MPa (EN ISO 4624)	≥ 1,0
Water absorption, kg/(m² h^{0.5}) (EN 1062-3)	0,1-0,5 (Class W ₂ according to the EN 1062-1)
Particle size, μm (EN 1524)	< 300 (S ₂ according to EN 13300)

TECHNICAL DATA SHEET	Issue: 2	Version: 1
BK-GRUND SILICAT	RZ-TLP-018	Date: 24.12.2021.

Viscosity, mPas (EN ISO 2555)	15,000-20,000
Indicative consumption, g/m²	~200-250
Packaging, kg	8; 25;

5. OTHER CHARACTERISTICS

Physical appearance: White or colored viscous liquid

Odor: Specific of the polymer binder/silicate compound

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

VOC* content, g/l: < 20 (maximum value allowed A (g) 30 g/l)

*VOC: Volatile Organic Compound;

Possibility of choosing 1400 shades. 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. Appropriate base are all surface of lime, cement, and cementlime mortars (at least one month old), concrete surfaces (at least one month old), surfaces smoothed out with quality leveling masses (the age depends on the type), as well as old facade surfaces which have taken on mortars or paints, etc. All old coatings which did not take proper hold must be removed.

In case of repainting the surfaces infected with wall molds, it is necessary to disinfect with BK-Sanacid. 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 15 % of water (1,2 l water for a package of 8 kg; 3,75 l water for a package of 25 kg). The primer is most often applied in a single coating using a long-haired roller or a brush. It is recommended that the BK-Grund Silicat 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 12 hours. Air and surface temperature during installation should be in the +15 °C to +30 °C range, while the relative humidity must not be greater than 70%. Do not work under direct sunlight, wind, or rain. High moisture and low temperatures may significantly lengthen the drying time.

8. CLEANING THE TOOLS

TECHNICAL DATA SHEET	Issue: 2	Version: 1
BK-GRUND SILICAT	RZ-TLP-018	Date: 24.12.2021.

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.

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: 12 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.

12. STORAGE

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

13. OTHER INFORMATION

The color chart was printed on paper. While applying the product onto various surfaces, certain smaller deviations from the color chart may be expected. These deviations are not subject to claims. Certain deviations of the product 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 manufacturer upon using a significant portion or the entire amount of the materials are not subject to claims.

TECHNICAL DATA SHEET	Issue: 2	Version: 1
BK-GRUND SILICAT	RZ-TLP-018	Date: 24.12.2021.

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.

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Previous version: Version 2.0 – 05.11.2020.

Amended chapters: 1