

TECHNICAL DATA SHEET	Edition: 2	Version: 5
BK-FUGOMAL	RZ-TLP-014	Date: 20.12.2023.

1. PRODUCT AND COMPANY INFORMATION

Commercial product name: BK-Fugomal

Manufacturer:

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2. DESCRIPTION, FIELD OF APPLICATION

BK-Fugomal is a high-quality, waterproof mass used for ceramic and glass tile grouting. The product is also used for natural and artificial rock tiles grouting. The product is used on vertical and horizontal surfaces. It is mold resistant and has excellent resistance to wear and tear. It is intended for grouts (1-10 mm in width) for external and internal use. BK-Fugomal is available in 24 colors. BK-Fugomal is prepared according to the EN 13888 standard and is classified as CG2 WA.

3. COMPOSITION

Chemical composition: White cement, polymeric binder, mineral fillers, microfibers, additives.

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, white cement is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard

4. TECHNICAL CHARACTERISTICS

Bulk density, g/dm	950-1150
Compressive strength, MPa (EN 12808-3)	
[^] initial	≥ 15
[^] after a freeze-thaw cycle	≥ 15
Flexural strength, MPa (EN 12808-3)	
[^] initial	≥ 2.5
[^] after a freeze-thaw cycle	≥ 2.5

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Contraction, mm/m (EN 12808-4)	≤ 3
Abrasion resistance, mm³ (EN 12808-2)	≤ 1,000
Absorption, g (EN 12808-5)	≤ 2
▲ after 30 min	≤ 5
▲ after 240 min	

Indicative consumption, kg/m²	~0,3-0,8 (depending on the dimensions of tiles and width of grouts)
Packaging, kg	2; 5

5. OTHER CHARACTERISTICS

Physical appearance: White or colored powder

pH value of the fresh grouting mass: 11-13

6. SURFACE PREPARATION

Surface to which BK-Fugomal is applied to should be dry enough. The drying time until grouting for standard cement adhesives under normal conditions (T=+23-25 °C, relative humidity=50-60%) is at least 24 hours (wall tiles) and 7 days (floor tiles size 30x30). Large tiles take longer to dry. If the adhesive is not dry enough, there is a possibility that the grouting mass partially might change its colour.

Before applying the grouting mass, the grouts must be cleaned from any remaining adhesive or dust. When it comes to highly absorbent tiles and when working under high temperatures, it is recommended to soak the grouts first. Begin with grouting after the base dries off (without any water left over on the base).

7. PREPARATION AND APPLICATION

Preparation of the mass is performed by lightly adding the powder into about 30 % of water (about 600 ml of water to 2 kg of powder), with constant stirring using an electric blender until the mass becomes fully homogenized. The amount of water needed for preparing the mass is partially dependent on the chosen color of the grouting mass. The mass must be left to set for 5 minutes. After that, stir yet again and, if needed, add slightly more water in order to set the appropriate consistency.

The grouting mass is applied using a rubber angled trowel or a rubber trowel at an angle of 45° in relation to the grout line. Press the mass so that the grout mass completely fills in the grout. After a certain period of time, once the surface of the mass becomes solid and the leftover mass on tiles changes colors (under normal weather conditions this takes 30 minutes), the surface of the tiles must be wiped off using a wet sponge or rag, diagonally from the tiles. After that polish the tiles using a dry rag.

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When dealing with porous and/or highly absorbent tiles, cleaning may be significantly more difficult. Before work, it is recommended that you perform test grouting. The grout mass contains particles which, in certain cases, may act abrasively on the surface of the tiles. Therefore, it is recommended that you perform test grouting.

Air and basis temperature during installation should be in the +5 °C to +25 °C range. High moisture and low temperatures may lengthen the drying time.

Under normal conditions (T=+23-25 °C, 50-60% r.v.v.) it takes 8 hours of drying for the surface to be able to support light walking. Under normal conditions it takes 7 days of drying for the surface to be fully functional.

The prepared mass must be used within 1 hour.

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 buckets. If the product is used in closed rooms, make sure the space is well ventilated. Protect your eyes and skin when working with the prepared mass due to an alkaline reaction. Keep out of reach of children.

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 grout mass.

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 waterways because an alkaline reaction may occur.

12. STORAGE

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

13. OTHER INFORMATION

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The color chart of grout masses was produced on metal profiles/paper, which are not adequate surfaces. 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 color in relation to the appropriate shade in the color chart are possible due to the use of cement or natural mineral fillers. The uneven color of the installed mass may be the consequence of inappropriate conditions at installation, incomplete homogenization, and different rates of absorption of the surface.

Grout mass from a single batch must be used for grouting one continuous surface. Certain deviations are possible between different batches. If the mass from different batches is used on a single 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 mass 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.

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.

Date: 20.12.2023.

Previous version: Version 2.4 – 28.11.2023.

Amendments Chapters 1 and 3.