

TECHNICAL DATA SHEET	Edition: 1	Version: 4
BK-FIL	RZ-TLP-012	Date: December 4 2018

1. PRODUCT AND COMPANY INFORMATION

Product commercial name: BK-Fil

Manufacturer:

Banja Komerc Bekament DOO
 34304 Banja
 Arandelovac
 tel. 034-6777-500
 fax. 034-6777-505
 e-mail: komercijala@bekament.com

TDS contact: email: laboratorija@bekament.com

2. DESCRIPTION, FIELD OF APPLICATION

BK-Fil is a gypsum-based mass used for filling in and reinforcement of joints of gypsumcardboards, as well as for filling in any uneven surfaces on the panels (screws, various damages, etc.). Surface area of the gypsum-cardboards is an appropriate one. However, the mass may be used for filling in smaller cracks on mineral surfaces (trowel plaster surfaces, surfaces with pre-existing paints, repairs on surfaces where machine plasters had been applied, etc.). BK-Fil is characterised by fine, creamy texture, it has good workability, longer open period and high adhesion to plasterboard panels

3. COMPOSITION

Chemical composition: Gypsum, organic additives, mineral filler.

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

Bulk density, g/dm³	800-1000
Adhesion, MPa (EN 13963)	≥ 0.25 according to EN 13963
Sieve residue 200 µm, % (EN 13963)	< 1.0 according to EN 13963
Setting time, min (EN 13963)	60-180 min according to EN 13963
Flexural strength, MPa (EN 13279-2)	10
Indicative consumption, kg/m²	~0.35-0.45
Packaging, kg	5;

5. OTHER CHARACTERISTICS

Physical appearance: Off-white or grey powder

Wet plaster pH value: 6-8

6. SURFACE PREPARATION

The surface to which the gypsum mass is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc.

7. PREPARATION AND APPLICATION

Preparation of the mass is performed by lightly adding the powder into about 55 % of water (2.75 l of water to 5 kg of powder), with constant stirring using an electric mixer until the mass becomes fully homogenized.

The mass is applied until the basis is on the same level with the surface of panels. The width of a layer applied should be between 20 and 25 cm. Joint tape is then set into the layer applied in such a manner and it is gently pushed inside using a trowel. After the first layer is completely dry, the second layer of BK-Fil is applied in the width of 25 to 30 cm. This layer serves to smooth out the surfaces which are being reinforced. After drying, remove any possible creases using sanding paper.

The prepared mass must be used within 90 min. After that the material hardens, i.e. the material begins to bind. Adding water into the material which has begun to harden is not permitted.

The drying time in normal conditions ($T=+23-25\text{ }^{\circ}\text{C}$, relative humidity=50-60%) is about 12 hours.

Air and basis temperature during installation should be in the $+5\text{ }^{\circ}\text{C}$ to $+30\text{ }^{\circ}\text{C}$ range.

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 mechanical residue.

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. Preventative protection of eyes and skin is needed while working with gypsum mass. 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: Avoid inhalation. In case the process causes excessive dust, use a face mask.

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Version: 4

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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 gypsum 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

If the contractor notices an aesthetic or application deficiency while using the gypsum mass, 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 occasionally tests its products in independent 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. All previous versions, starting with the listed date the document was compiled, are void.

Date: January 18 2013

Previous version: Version 1.3 from November 14 2014

Amendments: Chapters: 2,4.