

TECHNICAL DATA SHEET	Issue: 2	Version: 2
BK-LIV 10	RZ-TLP-027	Date: 24.12.2021.

1. PRODUCT AND COMPANY INFORMATION

Commercial product name: BK-Liv 10

Manufacturer:

Banja Komerc Bekament DOO
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2. DESCRIPTION, FIELD OF APPLICATION

BK-Liv 10 is a self-leveling, high strength mass used for a thin-layer leveling of concrete surface and cement screeds before applying parquets, ceramic tiles, PVC, and other types of floor tiling in residential, commercial and similar buildings. BK-Liv 10 is characterized by solid adhesion, exquisite mechanical hardness, simple and quick installation. The product is not intended as a finishing layer. Layer thickness should be between 2 mm and 10 mm, while drying period is 12 h/mm of thickness. It is used for indoor and outdoor surfaces (for outdoor within the BK-Hidrostop water insulation coatings). BK-Liv 10 is suitable for use for systems with floor heating.

3. COMPOSITION

Chemical composition: Grey Portland cement, additives, 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, grey Portland cement is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard

4. TECHNICAL CHARACTERISTICS

Bulk density, g/dm³	1,100-1,300
Flexural strength, MPa (EN 13892-2)	≥ 8 (Class F8 according to EN 13813)
Compressive strength, MPa (EN 13892-2)	≥ 35 (Class C35 according to EN 13813)
Resistance to wear and tear, cm³/50cm² (EN 13892-3)	≤ 18 Class A18 according to EN 13813)

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Indicative consumption, kg/m²/mm thickness	≈ 1.4-1.5
Packaging, kg	25

5. OTHER CHARACTERISTICS

Physical appearance: Grey powder
pH value of the wet mass 11-13

6. SURFACE PREPARATION

The surface onto which the mass is applied must be firm, clean, grease-free, with sections of low adhesion and free of dust. Before applying BK-Liv 10, it is necessary to impregnate the surface with BK-Bond substrate diluted according to the instructions. All concrete substrates are suitable (at least 3 months old), as well as cement screed, etc.

7. PREPARATION AND APPLICATION

Mass is prepared by adding powder in about 21% of water (it takes about 5.3 l of water for 25 kg of powder). Stirring is done using an electric blender until the mass becomes fully homogenized. The mass should be left for 5 minutes, and then stirred again. The mass is applied onto the surface using a trowel or similar tools. Be especially careful around corners. After applying the mass, it is desirable to run a specialized jagged roller (comb) across the surface in order to remove any air pockets. It is very important to follow the recommendations related to the amount of water it takes for mixing. Greater amounts of water contribute to better spreads. This, however, also may reduce the mechanical properties of the material and cause cracks.

Maximum layer thickness is 10 mm, while minimum is 2 mm. Greater thickness may be achieved, but only by applying the mass in multiple layers. A new layer is applied after the previous one fully dries off. Drying period for BK-Liv 10 is 12 h/mm thickness, under normal conditions (T=+23-25 °C, 50-60 % r.a.h.).

High moisture and low temperatures may extend the time it takes for the mass to dry. Cracks may be caused by overly powerful airflow, high temperatures, too thick of a layer, inadequately prepared surface, etc.

For larger surfaces or floors with underfloor heating, it is necessary when installing BK-Liv 10 to leave expansion joints on every 25-30m² of surface, which are filled with appropriate elastic material.

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

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The material must be transported in sealed bags. If the product is used in closed rooms, make sure the space is well ventilated. Protect your eyes and skin when working with the wet 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 mass.

11. REGULATION INFORMATION

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



Hazard

Skin irritation, Category 2: H315

Skin sensibility, category 1: H317

Heavy eye damage, Category 1: H318

Specific target organ toxicity – one-time exposure, irritation to respiratory organs, category 3: H335

Notifications on hazards:

H315 Causes skin irritation.

H317 May cause skin allergic reactions.

H318 Causes serious eye damage.

H335 May cause irritation to respiratory organs.

Notifications on precautionary measures

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Seek medical advice/opinion.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P304+P340 IF INHALED: Take the injured person to fresh air and place in resting position which does not obstruct breathing.

P501 Packaging disposal in accordance with national regulations.

Contains grey Portland cement.

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 waterways because an alkaline reaction may occur.

13. STORAGE

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

14. OTHER INFORMATION

If the contractor notices an aesthetic or application deficiency while using the 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.

15. 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.

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Previous version: Version 2.1.-13.08.2020.

Amendments: Chapters: 1, 11.

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