

TECHNICAL DATA SHEET	Edition: 2	Version: 4
BK-BRIV SPECIAL	RZ-TLP-021-03/04	Date: 24.12.2021.

1. PRODUCT AND COMPANY INFORMATION

Product commercial name: BK-Briv Special

Manufacturer:

Banja Komerc Bekament DOO
 Kralja Petra Prvog 132
 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-Briv Special is a lime-cement-based, mineral thin-layered decorative mortar used for the protection and decoration of external facade surfaces. It is characterized by good adhesion to the surface, exquisite workability, hardness, good vapor permeability, as well as resistance to wall algae and mold..

BK-Briv Special is made in two structures and multiple different granulations.

BK-Briv – troweled structure (granulation 1.5 and 2 mm)

BK-Briv Special – full structure (granulation 1, 1.5, and 2 mm)

3. COMPOSITION

Chemical composition: White Portland cement, hydrated lime, polymer binder, 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, components of the Portland cement and lime are hazardous substances. The product is therefore classified a hazardous one with the following label: Hazard, Caution.

4. TECHNICAL CHARACTERISTICS

Bulk density, g/dm	1,300-1,600
Density of hardened plaster, g/dm³ (EN 1015-10)	1400-1600
Capillary water absorption-c, kg/(m² min^{0.5}) (EN 1015-18)	≤ 0.2 Class W ₂ according to EN 998-1
Heat conductivity-λ_{10°C dry}, W/mK (EN 1745 Table A.12)	0.49
Compressive strength after 28 d, MPa (EN 1015-11)	≥2,0 Class CS II according to EN 998-1

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Flexural strength after 28 d, MPa (EN 1015-11)	≥1.2
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Adhesion to concrete substrate, MPa (EN 1015-12)	≥ 0.3		
Indicative consumption, kg/m²	1 mm	1.5 mm	2 mm
▲ troweled structure	/	2.5	3.0
▲ full structure	2.5	3.0	3.5
Packaging, kg	25		
Nasipna masa, g/dm³	1300-1600		

5. OTHER CHARACTERISTICS

Physical appearance: White powdery mass

Fresh plaster pH value: 11-13

BK-Briv Special is produced exclusively in white color and is not intended for toning using Bekament shading products. Due to a large pH value of the mineral mortar, if it is shaded, uneven portions on the facade surface may occur. These are manifested in the form of various colorations and very obvious and/or irregular fading of the mortar over time.

The mineral mortar may be subsequently painted over using dispersion paints in a limited number of colors (exclusively containing inorganic pigments). It takes at least 7 days for the mortar to dry out. The optimal time for the mineral mortar to dry, in order to achieve the best results at painting, is 28 days. For further detailed instructions related to painting over mineral surfaces, please contact our technical department.

6. SURFACE PREPARATION

The surface to which the mortar is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. Lime, cement, and cement-lime mortars (at least one month old), cement-fiber panels, concrete surfaces (at least three months old), surfaces prepared for the ETICS system, etc. are all appropriate surfaces. In the case of highly absorbent, old, dry, and/or surfaces which create dust, before applying the mortar, the surface must be coated using the BK-Grund Universal. In the case of highly absorbent substrates, it is recommended to coat them with BK-Nivelator, while in the case of weak and dilapidated substrates the surface should be coated with BK-Penetrat before applying plaster. The surface must be left to dry before applying mortar for at least 12 hours.

Much care should be given to preparing the surface because any irregularities in the form of uneven surfaces make any corrections of the mortar more difficult. At the same time, these also do not permit reaching the appropriate structure.

7. PREPARATION AND APPLICATION

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Preparation of the mass is performed by lightly adding the powder into about 25-28 % of water (6-6,5 l of water to 25 kg of powder), with intensive stirring using an electric mixer until the mass becomes fully homogenized. The mass must be left to set for at least 10 minutes. After that, stir yet again and, if needed, add slightly more water in order to set the appropriate consistency.

The mortar shall be applied manually using a stainless metal trowel. Its thickness must be the one of the roughest grain. Several minutes after applying, adjust the mortar using a hard plastic trowel.

When it comes to troweled structure, application may be done using circular, vertical, or horizontal motions until the surface is completely flat. Adjusting the full structure is performed using circular motions.

Work must be even and without interruptions in continuous wall surfaces so as to avoid any irregularities created due to the adhesion of surfaces, irregular drying, etc. The prepared mass must be used within 2 hour.

Air and basis temperature during installation should be in the +5 °C to +30 °C range. Do not work under direct sunlight, wind, or rain. After 6 h of drying under normal conditions (T=+23-25 °C, 50-60 % r.a.h.) the plaster is dry to touch. High moisture and low temperatures may significantly lengthen the time it takes for the mortar to bind. The resistance to precipitation is achieved after minimum 24 h of drying under normal conditions.

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. Protect your eyes and skin when working with wet mortar due to an alkaline reaction.

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 protective gloves and long-sleeve work overalls as a preventative measure.

Eye protection: Use safety goggles in order to protect the eyes from the dust and wet mortar.

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

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labeling system was introduced into law, components of the Portland cement and lime are hazardous substances. The product is therefore classified a hazardous one with the following label: Hazard, Caution.



Hazard



Caution

Skin irritation, Category 2
Skin sensitization, Category 1
Heavy eye damage, Category 1

H-labels:

H315 Causes skin irritation.
H317: May cause an allergic skin reaction.
H318 Causes serious eye damage.

P-labels:

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.
P310 Call the centre for poisoning control or contact a physician.
P501 Packaging disposal in accordance with national regulations.

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 sewage and waterways because it will lead to an alkaline reaction.

13. STORAGE

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

14. OTHER INFORMATION

Certain deviations of the mortar shade from different batches in terms of color are possible due to the use of natural mineral fillers. All mortar for a single object must be ordered at one time. If mortar is from different batches is being used on a single facade surface, the surface must be made uniform so as to avoid any uneven surfaces.

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Banja Komerc Bekament DOO does not guarantee a complete match of mortars 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 mortar, 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 regarding the aesthetic characteristics 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 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. All previous versions, starting with the listed date the document was compiled, are void.

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Previous version: Version 2.3 - 07.12.2020.

Amendments: Chapters: 1, 11.