

## 1. PRODUCT AND COMPANY INFORMATION

**Commercial product name:** BK-Mal 320

**Manufacturer:**

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## 2. DESCRIPTION, FIELD OF APPLICATION

BK-Mal 320 is a gypsum-lime mortar used for machine and manual application onto the interior brick walls, construction block walls, concrete walls, etc. The product is not applicable for potentially damp rooms (basements, kitchens, bathrooms).

## 3. COMPOSITION

**Chemical composition:** Gypsum, lime, mineral filler, polymer binder, 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, lime is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard.

## 4. TECHNICAL CHARACTERISTICS

<b>Bulk density, g/dm<sup>3</sup></b>	1200-1400
<b>Hardened plaster density, g/dm<sup>3</sup> (EN 1015-6)</b>	1200-1500
<b>Flexural strength, MPa (EN 1015-11)</b>	≥ 2.5
<b>Compressive strength, MPa (EN 1015-11)</b>	≥ 1.0

<b>Adhesion to concrete, MPa (EN 1015-12)</b>	≥ 0.5
<b>Vapor permeability, water vapor diffusion resistance coefficient-μ (EN 1015-19)</b>	≤ 15

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<b>Indicative consumption, kg/m<sup>2</sup>/cm layer thickness</b>	~11-12
<b>Packaging, kg</b>	30

## 5. OTHER CHARACTERISTICS

**Physical appearance:** Off-white or yellow powder

**Wet plaster pH value:** 11-13

## 6. SURFACE PREPARATION

The surface to which the mortar is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. All concrete surfaces (at least 2 months old), brick walls, brick walls, gas concrete, etc. are appropriate surfaces. Filling in larger cracks and leveling out in greater thickness must be done using the same product BK-Mal 320.

When it comes to smooth concrete surfaces created due to sheeting, it is necessary to clean oil residues with a stream of hot water, then priming must be done using BK-Beton Kontakt so as to achieve better adhesion of the mortar to the surface. When applying mortar onto highly absorbent and irregularly absorbent surfaces (aerated concrete blocks), priming must be done using BK-Nivelator.

## 7. PREPARATION AND APPLICATION

Filling wide and deep joints, electrical and other installation openings shall be performed before applying mortar. The preparation is done by mixing the dry mortar with about 30 % of water (approx. 9l of the water for 30kg of the powder). Mortar is usually applied in two phases using the "fresh-on-fresh" method, using a machine onto a previously prepared dry base. Its thickness must be at least 10 mm and at most 25 mm. Mortar is leveled out after application using an H-shaped aluminum profile. After a certain amount of time, depending on the conditions at the site, when the mortar is partially dry, roughening and final smoothing of moisturised mortar is performed resulting in a fine final appearance.

Optimal air and surface temperature at installation is between +5 °C and +30 °C. The mortar should be protected from drying too quickly. Exposing the mortar directly to heat is not allowed because the mortar must harden evenly. During the drying phase and the hardening phase, mortar must not be moistened further.

The drying time of the mortar before further work is done is at least 10 days per cm of mortar thickness.

## 8. CLEANING THE TOOLS

Transport pipes and all other tools must be thoroughly washed using water immediately after use. In order to ease cleaning, the mortar should not be left in the pipe for more than 30 minutes. 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 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. 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: 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 in order to protect the eyes from the dust and wet mortar.

## 11. REGULATION INFORMATION

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Hazard

Heavy eye damage, Category 1: H318

### H-labels:

H318 Causes serious eye damage.

### P-labels:

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

P305+P351+P338 IF IT TOUCHES THE EYES: Carefully rinse with water for several minutes. Remove contact lenses, if applicable, and if this can be done. Continue rinsing.

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## 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.

## 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 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.

## 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.

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