

HIDROKOL Z

One component mortar for thick layer application, used for masonry with lightweight concrete or gypsum blocks and elements

In compliance with EN 998-2:2016, class M5

FIELD OF APPLICATION

For vertical and horizontal joints in masonry (blocks or elements) made of lightweight concrete or gypsum.

PROPERTIES

- Powdery material, which is prepared with water;
- Extended time for application and workability;
- Provides correction of the surface with masonry;
- Workability for adhering and for surface levelling;
- For indoor and outside application.

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	gray powder
W/M	-	0,23-0,25
Density of fresh material	EN 1015-6	1,5-1,6g/cm ³
Density of hardened material	EN 1015-10	1,4-1,5g/cm ³
Compressive strenght	EN 1015-11	>5MPa, class M5
Flexural strenght	EN 1052-2	≥ 3MPa
Adhesive bond	-	≥1MPa
Water absorbtion	EN 1015-18	<0,4kg/(m ² min ^{0,5})
Thickness of a layer	-	3-30mm
Workability time	-	≥3h
Substrate and air temperature during application	-	5-35°C
Exploitation, on 20°C with relative air humidity of 60%	50- -	after 24h

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate should be sound, strong, clean, grease- free, dust- free and without unstable parts. Before application, the substrate should be moistened with water.

APPLICATION

Prepare Hidrokol Z using 5.75-6.25l water for one 25kg paper bag and mix it using electrical mixer until it homogenize. Leave the mixture for 5min still and mix it again right before the application. Apply it using trowel in layer with uniform thickness over the whole contact surface including the sides of the element for masonry. The pushed up material after the positioning of the element should be removed. The applied layer can be 3-30mm thick. The temperature during application should be between 5-35°C. Protect the applied surfaces of direct sun, precipitation, wind and freezing.

CONSUMPTION

For 1mm thick layer: 1.4-1.5kg/m²

CLEANING

Clean tools and equipment with water, right after the application.

PACKAGING

Paper bags- 25kg

STORAGE

In the original, closed packaging, in dry room, at temperature between 5°C and 30°C. Shelf life: 12 months.

Health hazards: Avoid contact of the product with skin and eyes, such as direct inhalation. In case of accidental contact of the product with skin, immediately remove it using soap and water. In case it splashes into eyes, immediately rinse them using plenty of water and seek for medical help. In case the product is swallowed or inhaled seek for medical help.

Fire: Hidrokol Z is not flammable.

Cleaning and storage: Clean loose residues of Hidrokol Z with water. Old and used packaging should be disposed in accordance with the local rules and regulations for that type of waste.

It is recommended to adjust the method of application and necessary quantities according to the potential of the building, as well as mandatory use of appropriate equipment.