

VOLMA-GIPS-AKTIV  
Lightweight gypsum building plaster for indoor use  
EN 13279-1- B4/20/2

### **Product description**

Gypsum plaster for machine levelling of walls and ceilings

### **Packing and storage**

VOLMA-GIPS-AKTIV is packed in 30 kg paper bags. Bags with dry mixture should be stored in dry conditions on wooden pallets. Period of storage in undamaged original pack - 12 months.

### **Scope of application**

Plaster is intended for single-layer, indoor, machine gypsum plastering on walls and ceilings, and also to create a gloss surface, without additional spackling, prior to applying decorative coatings (paint, decorative compounds, wallpaper, etc). It can be applied in premises of any purpose with a regular and relative humidity, and a temperature from +5 to +30C. It is suitable for application on the following surfaces: concrete, brick, cement-lime plaster, gypsum boards and blocks, aerated or foam concrete, plasterboard and fiberboard.

### **General properties and advantages**

- light gypsum plaster
- for indoor application
- for machine application
- mineral based
- layer thickness upto 60 mm

### **Surface preparation**

The surface should be solid, dry, and free from dust, dirt, oil and peeling. Metal elements should be treated with an anti-corrosion product. Intensively absorbing surfaces should be treated with 2-3 applications of deep-penetration primer. Concrete surfaces - with a roughening primer

### **Mortar preparation**

Prepare the pump for use, according to the operating instructions. Switch on the water and electricity supplies. Put the dry VOLMA-GIPS-AKTIV mixture into the hopper of the plastering machine. Set the water consumption of the pump according to required consistency of mortar. The working area should be free for moving with a spray gun. The spray gun should be free from bends and loops which might prevent passage of the mortar. The hose should be long enough not to require stretching.

### **Machine application of mortar**

To apply the mortar, stand sideway to the application surface, hold the spray gun in one hand, and with the other hand hold the hose 50 cm from the gun base. Open the air valve and wait until the mortar starts to spray out (10-30 sec.). First fill the deeper holes and cavities, then plaster the corners (wall-ceiling, wall-wall, wall-floor). Next apply the mortar to the surface, observing the following rules:

- apply the mortar to the wall from left to right and from top to bottom, i.e. starting from the top left corner;
- apply the mortar to the ceiling from the side opposite the windows, from left to right;
- hold the spray gun perpendicular to the application surface, at a distance of approximately 30 cm from the surface to the nozzle;
- apply the mortar in bands approximately 70 cm in length. Each band should overlap the previous one by 5-10 cm;
- after applying the mortar to the surface, close the air vent on the spray gun; spread the mortar using an H-rule. Check the horizontal and vertical deviation of the surface using a spirit level, lace or gauge;
- open the air vent of the spray gun and apply an additional layer of mortar where it is insufficient.

Attention! Application of the second layer is allowed only within not more than 30 minutes since the previous application performed. Otherwise the second layer shall be applied only after the first is completely dry and hard. Do not keep the mortar still inside the mixer or hose for longer than 15 minutes. After use, rinse out the pump and hoses with water.

When the plaster starts to harden (90-120 minutes after mixing), level the surface with a trapezium-shaped rule, holding it perpendicular to the surface, scraping off excess plaster and filling cavities.

To prepare the surface for painting, 30-40 minutes after scraping, rub the plaster with a sponge rubber float, well soaked with water. When the surface appears matte, smooth the plaster with a wide metal spatula.

Within 24 hours, but no earlier than 4 hours after preparing the mixture, wet the plaster well and smooth it with a metal spatula. After this treatment the surface requires no further spackling.

#### DRYING

Drying time depends on the thickness of the plaster layer, inside temperature and humidity, and comes to average 5-7 days. It is recommended to provide a good ventilation of premises for fast drying of the plaster.

#### Technical specifications:

Dry mixture consumption at 10-mm layer	7.5-8.5 kg for 1 m <sup>2</sup>
Dry-out time	5-7 days
Water consumption per 1 kg of dry mixture	0.55-0.65 L
Recommended layer thickness	5-30 mm
Maximum layer thickness	60 mm
Base temperature	From +5 to +30°C
Setting time	Not sooner than 50 minutes
Compression strength	Not less than 2.0 N/mm <sup>2</sup>
Flexing strength	Not less than 1.0 N/mm <sup>2</sup>
Strength of adhesion to the base	Not less than 0.1 N/mm <sup>2</sup>
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Storage period	12 months