

Technical Information

Fasakril Adhesive for EPS Basic PRIME WHITE

Product description

FASAKRIL ADHESIVE FOR EPS BASIC PRIME WHITE is a construction adhesive based on high quality white cement and polymer powder, with suitable fine fillers and special additives.

Features:

- Vapor permeable
- Easy to apply
- Good adhesion properties

Purpose

Vapor permeable adhesive intended for adhesion of thermal insulation panels made of styrofoam (EPS) to various mineral surfaces.

Surface preparation

The surface must be clean, solid, dry, free from dust, unfrozen and with load bearing capacity, free of greasy stains and other impurities. Mechanically remove husks and dilapidating parts from old surfaces. Suitable bases are all surfaces of cement-lime mortar (must be at least a month old), concrete surfaces (at least 2 months old), brick wall, gas-concrete wall, etc. To fill larger gaps and level in greater thicknesses, do it with machine mortar and not adhesive. Thick-layer application can lead to cracking and movement of the panel, and later to the appearance of cracks on the thermal insulation system. Smooth, poorly absorbent concrete surfaces should be coated with concrete contact the day before gluing the panels.

Working conditions

- The optimum operating temperature is from +10°C to +30°C.
- It must not be applied at temperatures below +5°C or above +35°C and humidity higher than 80%.
The above conditions refer to the space, the substrate and the material itself.
- Do not work in rain, fog, directly exposed to strong sun and wind.
- High humidity and low temperatures can prolong the drying time of the material.



TOOLS CLEANING

Immediately after use, the tool should be thoroughly washed with water. If the tool is not washed immediately after use, remove hardened residues mechanically. Removal can be facilitated by immersing the tool in water for several hours.

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Instructions for application

Slowly add the contents of a 25 kg bag to approx. 6 L of water (24%), stirring constantly with an electric mixer, until the mass becomes homogeneous. Leave the prepared mass for 10 minutes, then stir it once again, after which the adhesive is ready for application. Mixed adhesive must be used within 2 hours.

Before adhesion, install an aluminum strip with a certain amount of adhesive, and then start installing the first row of styrofoam panels.

Adhesion of styrofoam thermal insulation panel (EPS):

Apply the mass along all edges of the panel, in strips about 5 cm wide and 1.5-2 cm thick, with the addition of at least three cakes of adhesive in the center, about 15 cm in diameter, so that at least 40% of the panel surface is covered with adhesive. Glue the panel by pressing on the prepared surface. The second, as well as each subsequent row of panels move by at least 30 cm, in order to comply with the shear rule. It is also necessary to glue the panels crosswise on the corners of the structure with the overhang of at least 5 cm, over the outer surface of the panel on the adjacent side (rule of toothed joints). Fix the boards tightly together, and fill any gaps with pieces of styrofoam or PUR foam (not glue). When installing around the opening, it is necessary to tailor the panels in order to avoid the overlapping of the opening lines with the panel line.

The drying time of the adhesive under normal conditions ($t = +20\text{ }^{\circ}\text{C}$, rel. humidity 65%) is 48 h. In case of high humidity and low temperatures, the drying time will be longer.

After drying, you can start anchoring, cutting off excess panels at the corners of the structure and grinding any uneven surfaces, manually with a suitable tool or mechanically using a giraffe. Anchoring is performed in order to further strengthen the panels. They are placed in the hubs and in the center of the panel, as a rule 6-10 pcs/m². Holes formed where anchors are placed, fill and level with a thin layer of adhesive.

It is necessary to check whether the wall surface is even using a 2-3 m long lath.

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Composition:	White cement, polymer powder, mineral fillers, appropriate additives.
Appearance:	White powder.
Bulk density, kg/m ³ :	1300 - 1400
Volatile matter at 105°C, %:	Max. 0.2 – 0.7 %
pH:	11 - 13
Consumption:	4 - 5 kg/m ²
Mixing ratio with water:	25 kg : 6 L (water)
Method of application:	Trowel.
Drying (t = + 20°C, rel. hum. 65%):	48 h
Strength after 28 days, Mpa	
• Pressure:	16.8 ± 0.6 (class CS IV, EN 998-1)
• Flexion:	3.5 ± 0.2
Capillary water absorption coef., kg/m ² min ^{0.5} :	0.204 (class Wc1, EN 998-1)
Water soluble content of Cr(VI) (EN 196-10):	< 0.0002 %
Packaging:	Natron bag 25 kg.
Storage and shelf life:	Originally sealed product, stored in a dry place, protected from direct sunlight and freezing (+5°C to +30°C) is usable until the date marked on the packaging.

The technical data are given in order to achieve optimal results by using products manufactured by HELIOS Srbija a.d. Contact our technical service for any additional information. The manufacturer reserves the right to make changes.