ZVEZDA
THE STAR IN YOUR HOME.

Technical Information

Fasakril Adhesive UNI

Product description

FASAKRIL ADHESIVE UNI is a construction adhesive based on high quality cement and polymer powder, with suitable fine fillers and special additives.

Features:

- Flexible
- Vapor permeable
- Water resistant
- Easy to apply
- Exceptional adhesion properties

Purpose

Universal adhesive intended for adhesion of thermal insulation panels made of styrofoam (EPS) to various mineral bases, mesh reinforcement and leveling in thermal insulation facade systems.

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°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/m^2. Holes formed where anchors are placed, fill and level with a thin layer of adhesive.

Mesh reinforcement and application of smooth coat:
In order to prevent any possible appearance of diagonal cracks at the corners of the opening, before starting the reinforcement of the entire facade surface, it is necessary to additionally reinforce the corners of the opening using pieces of glass mesh (30x50 cm) and strengthen the edges and corners of the opening using appropriate corner profiles.
After 2-3 days of gluing the panels, the mesh reinforcement can be started. Apply the adhesive with a notched trowel (tooth depth 8-10 mm) on the glued panel. Press the mesh by lightly pressing the trowel from top to bottom with a minimum mesh fold of 10 cm. The position of the imprinted mesh must be in the upper half, i.e. one third of the adhesive layer. Press so that the mesh is visible and not completely covered with adhesive. Apply the final layer of adhesive to the already applied adhesive and the sunken mesh after 24 hours of drying and smoothen the surface. The total thickness of the final layer of adhesive should be 4-5 mm.

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Note

Used in a product system with:

FASAKRIL Adhesive for EPS Basic PRIME

FASAKRIL Plaster Undercoat GRUND

FASAKRIL Acrylic PLASTER

FASAKRIL Silicone PLASTER

FASAKRIL Decorative Mosaic Plaster KULIR

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.

Instructions for application

Drying time of smoothing adhesive under normal conditions (t = + 20°C, rel. humidity 65%) is 5-7 days. In case of high humidity and low temperatures, the drying time will be longer.
In all phases of work, it is necessary to check whether the wall surface is even using a 2-3 m long lath.

Technical data

Composition:	Cement, polymer powder, mineral fillers, appropriate additives.
Appearance:	Grey powder.
Bulk density, kg/m^3:	1200 - 1300
Volatile matter at 105°C, %:	Max. 0.2 – 0.7 %
pH:	11 - 13
Consumption:	Adhesion: 4 - 5 kg/m^2, Reinforcement and smooth coating: 5 - 7 kg/m^2.
Mixing ratio with water:	25 kg : 6 L (water)
Method of application:	Masonry trowel.
Drying (t = + 20°C, rel. hum. 65%):	Adhesion: 2 - 3 days, Reinforcement and smooth coating: 5 - 7 days.
Strength after 28 days, Mpa • Pressure: • Flexion:	 18.1 ± 0.9 (class CS IV, EN 998-1) 5.4 ± 0.6
Capillary water absorption coef., kg/m^{2}min^{0,5}:	0.185 (class Wc2, 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.

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