

TECHNICAL DATA SHEET

STYROLEP K



INTENDED USE

STYROLEP K is a universal adhesive mortar for styrofoam. It is an elastic, frost-resistant, waterproof vapour-permeable cement mortar with enhanced surface adhesion, intended for gluing polystyrene boards (also boards with the graphite addition) to be used indoors and outdoors. It can also be used for puttying and filling minor cavities.

SURFACE PREPARATION

The surface should be smooth, strong and dry, free from any impurities that impair mortar adhesion i.e. dust, lime, grease, residues of old protruding paint coatings. To impair the adhesion and to eliminate dusting, the surface should be primed with MajsterGrunt Universal or Majstergrunt Deep Penetrating agent.

PRODUCT PREPARATION

Put the bag content into a container with a measured quantity of water (5,0–5,5 l of water per 25 kg of the mortar) and stir thoroughly with a mixer or low-speed drill with a basket mixer until uniform consistency is obtained. After 5 minutes the mass should be stirred again and mortar is ready for use. Depending on the temperature and humidity, the mass is suitable for use for approx. 2 h. Pay special attention to add the same amount of water to each mortar packaging. The packaging contains a ready product and no other components should be added except for water.

APPLICATION INSTRUCTIONS

The adhesive mortar should be applied on the polystyrene board edges in 3-4 cm wide stretches, whereas on other part of the surface in 6-8 evenly distributed spots. Total surface area of the mass applied should cover at least 40% of polystyrene board surface. Immediately impose such prepared polystyrene boards to the wall and press until obtaining flat surface with boards previously glued. The adhesive mortar retains its operating parameters for approx. 10 minutes from the moment of sticking to the wall. After this time do not move or change the position of the boards.

It is unacceptable to glue polystyrene boards only by spot method.

RECOMMENDATIONS

Surface and ambient temperature during work and the adhesive drying should be between +5°C and +25°C. Works

should not be performed in direct sunlight or during rainfall without suitable protection (protective netting). Do not use when the temperature falls below + 5°C. The project of the building insulation defines the necessity of using retention pins and their type. When the surface is bearing and the building height does not exceed 12 m, it is not required to use retention pins. Do not use the product for embedding reinforcing mesh.

CONSUMPTION

The adhesive consumption depends on the surface smoothness and is usually ca. 4,0 - 5,0 kg of dry mixture per 1 m².

STORAGE AND TRANSPORT CONDITIONS

Store in a tightly closed packaging, in a dry and cool place. Shelf life is 9 months from the manufacture date found on the packaging.

PACKAGING

25 kg multiwall vented paper bag

COMPOSITION

STYROLEP K is a dry mixture of sand, gray Portland cement, modifying additives and redispersible powder.

TECHNICAL SPECIFICATION

Application and surface temperature: from +5°C to +25°C
Bond strength between adhesive mortar and concrete substrate (ETAG 004)

- in dry condition $\geq 0,25$ MPa
 - after immersion in water for 48h + 2h drying at (23 ± 2) °C and $(50 \pm 5)\%$ RH $\geq 0,08$ MPa
 - after immersion in water for 48h + 7 days drying at (23 ± 2) °C and $(50 \pm 5)\%$ RH $\geq 0,25$ MPa
- Bond strength between adhesive mortar and insulation product (ETAG 004)
- in dry condition $\geq 0,08$ MPa
 - after immersion in water for 48h + 2h drying at (23 ± 2) °C and $(50 \pm 5)\%$ RH $\geq 0,03$ MPa
 - after immersion in water for 48h + 7 days drying at (23 ± 2) °C and $(50 \pm 5)\%$ RH $\geq 0,08$ MPa
- Chromium (VI) content < 2 ppm
Colour: gray

This product is a component of the External Thermal Insulation Composite System ETICS MAJSTER -POL (The European Technical Assessment ETA-11/0183, The ETA Certificate no. 1020-CPD-010-028352). The Declaration of Performance no. MP/STYR-K/2015. The Hygienic Certificate of the National Institute of Hygiene no. HK/B/0366/02/2014. The Radiation Hygiene Certificate no. HR/B/29/2013

Information provided in the Technical Data Sheet is to ensure an optimal use of the product, but does not give rise to liability of the Manufacturer, because the use conditions are beyond his control. Work should be carried out in accordance with the construction work code of practice. Any change in product composition is unacceptable and can significantly diminish the quality of the material. In the case of mixing the products with those of other manufacturers, Majster-Pol does not take responsibility for the product quality.

With the publication of this Technical Data Sheet all previous versions are no longer valid