

TECHNICAL DATA SHEET

STYROLEP Z



INTENDED USE

STYROLEP Z is an adhesive mortar for mesh embedding. The mortar is primarily designed for making the reinforcing layer in the building insulation systems. The adhesive is enriched with two types of specially selected fibers: cellulose and polypropylene fibers. These fibers form micro reinforcement, which prevents the cracks formation and reduces formation of shrinkage cracks in the hardened mortar, improves its flexibility, strength, waterproofness and frost resistance. It can also be used for gluing polystyrene boards, especially where flexible joints are required and also as a base layer for mineral, acrylic, silicate, silicone, mosaic plasters to be used indoors and outdoors.

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

Reinforcing layer is prepared by applying an adhesive mortar with a notched trowel on the polystyrene board surface. The layer should be ca. 2mm thick and it should be applied in vertical stretches starting from the top of the wall, stretches width should be the same as the width of the reinforcing mesh. Then embed the reinforcing mesh in the adhesive mortar by pressing it with the trowel. In the next step, apply 1 mm thick adhesive leveling layer to cover the mesh completely. The total thickness of the reinforcing layer should be from 3 to 5 mm. In places where mesh joins, use ca. 10 cm mesh overlaps. Plaster can be applied not earlier

than 3 days after completion of the above work in suitable weather conditions and after priming with a MajsterGrunt Under-Plaster primer.

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. Prior to plaster application, check if the reinforcing layer is not covered with salt efflorescence (white deposit). In such cases, it should be mechanically removed and the surface should be primed with a deep penetrating primer.

CONSUMPTION

Reinforcing layer consumes ca. 3,0 – 3,5 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 Z is a dry mixture of sand, gray Portland cement, modifying additives, fibers 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 ± 5)% RH $\geq 0,08$ MPa
- after immersion in water for 48h + 7 days drying at (23 ± 2) C and (50 ± 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 ± 5)% RH $\geq 0,03$ MPa
- after immersion in water for 48h + 7 days drying at (23 ± 2)

C and $(50 \pm 5)\% \text{ RH} \geq 0,08 \text{ MPa}$
Chromium (VI) content $< 2 \text{ ppm}$
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/28/2013

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