

TYTAN PROFESSIONAL IS11 Adhesive mortar for EPS

25 kg

10034243

Cement-based adhesive mortar dedicated for fixing of white and graphite polystyrene boards (EPS) in External Thermal Insulation Composite System (ETICS) on newly constructed and thermo modernized buildings.



BENEFITS

- Increased adhesion
- Flexible
- Water and frost resistant
- Good working parameters
- For thermal insulation as a part of ETICS

RECOMMENDED USES

- For use on typical mineral construction surfaces.
- For adhesion of white and graphite polystyrene boards.

NORMS / ATESTS / CERTIFICATES

Product in conformity with

- European Technical Assessment ETA-16/0161 (based on EAD 040083-00-0404)

The product has

- Declaration of Performance
- National Declaration of Conformity

Additional information

- Product according to Certificate of Conformity for factory quality control 1487 - CPR - 167 - 01

TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Mixing ratio [l/kg]	0,20 - 0,22
Mixing ratio [l/25 kg].	5 - 5,5
Consumption [kg/m ²]	3,5 - 4,5
Maturing time [min]	5
Mortar ready for use after mixing with water [h]	2
Drying time [h]	24 - 72
Adhesion to the insulation layer [N/mm ²]	≥0,08
28 days, 48h in water + 2h at 23°C/50%RH [N/mm ²]	≥0,03
Adhesion to waterproofing 28 days, 48h in water + 7h at 23°C/50%RH [N/mm ²]	≥ 0,08
Conditions of application	Value
Application temperature [°C]	+5 - +25

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- **BONDING OF THERMAL INSULATION BOARDS:** The substrate should be even, stable, load-bearing, dry, cleaned from layers of dust, dirt, lime, oil, grease, wax, as well as residues of adhesives, oil and paints. Plasters and paints with poor adhesion should be removed and any unevenness and losses should be smoothed out. Old, chalky and dusty substrates as well as substrates with high absorbency should be covered with primer. Before the bonding of thermal insulation panels, check the adhesion of existing plasters and paint coatings.

Product preparation

- Pour the contents of the bag directly into carefully measured clean and cool water in the proportions given in the table.
- Then mix with a slow-speed mixer until a homogeneous and smooth consistency is obtained.
- The mortar is ready to use after approx. 5 minutes and remixing.
- Prepared mortar should be used within the time specified in the table.
- If the mortar thickens, do not add water, but mix again.

Application

- **BONDING OF THERMAL INSULATION BOARDS:** The mortar should be applied to polystyrene board by using the circumferential-point method. It consists in applying the mortar with a trowel around the perimeter of the board along its edge about 3-5 cm wide. In addition, 3 to 6 patches of mortar should be applied in the center of the panel so that the mortar covers at least 40% of the surface of the panel (before adhesion). In the case of even substrates, the mortar can be applied over the entire surface of the thermal insulation board using a notched trowel 8-12 mm. After the initial setting of the mortar (time given in the table), the boards should be additionally fixed with mechanical fasteners in the amount specified in the design. After finishing work, the tools should be washed with water.

Remarks / restriction

- Use the product in accordance with the manufacturer's instructions.
- Insulated surface should be protected from direct sunlight, wind, rain and too low or high temperature.

ADDITIONAL INFORMATION

All data refer to the temperature of the ground, ambient air and material of 23 ± 2 °C and relative humidity of air of $50\pm 5\%$. All parameters quoted are based on laboratory tests and trials in accordance with the manufacturer's internal standards and are strongly influenced by the curing conditions of the product (temperature of the packaging, environment, substrate, quality of the equipment used and the skill of the person applying the product).

TRANSPORT / STORAGE

Mortar should be transported and stored in dry conditions on pallets and in original, undamaged packaging. A product so stored has a shelf life of 12 months. Protect from moisture.

SAFETY AND HEALTH PRECAUTIONS

All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles. Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.

For detailed information find Material Safety Data Sheet available at producer upon request.