TESOROMONT UNIWERSALNY TU-200

adhesive and patching compound for mesh embedding and gluing foamed polystyrene panels

PROPERTIES

- **high bonding power**
- **good water vapor permeability**
- **easy application**
- **high flexibility after setting**
- **high resistance to shrinkage cracks**
- **contains fibers**
- **reinforced with polymers**
- **resistant to weather conditions**

APPLICATION

Adhesive and patching compound for embedding mesh in the top reinforced layer in the SEMPRE TERM ST, SEMPRE TERM ST RENOWATOR external insulation system. It can also be used to glue both white and graphite foamed polystyrene panels. Supplied as a dry powder mix, ready to use after mixing with water. Intended for both newly-erected buildings and those undergoing thermomodernization. Frost resistant. Recommended for gluing graphite foamed polystyrene. Remains flexible after binding. High impact resistance. Contains fibers Also available in the TESOROMONT UNIWERSALNY TU-200 IGLOO version for use in winter or at low temperatures.

TECHNICAL SPECIFICATIONS

Product Group	Facade products
Core Components	Cement, lime, mineral fillers, performance additives
Color	Gray / white
Yield	Approx. 4kg/m 2 *

Parameters	Parameter	Standard	Value	Unit
	External appearance	------	A dry homogeneous mixture without lumps and foreign inclusions	-
	Water absorption after 1 hour for the reinforced layer of TESOROMONT UNIWERSALNY TU-200	ETA 17/1027	< 1.0	kg/m^2
	Water absorption after 24 hour for the reinforced layer of TESOROMONT UNIWERSALNY TU-200	ETA 17/1027	< 0.5	kg/m^2
	Adhesion to foamed polystyrene: - initial value - after thermal humidity cycles - after freezing and thawing cycles	ETA 17/1027	≥ 0.104 ≥ 0.107 NPD	MPa
	Adhesion to concrete:	ETA 17/1027		MPa

- initial value - after immersed in water for 48 hours + 2 hours of drying at 23°C/50% RH - after immersed in water for 48 hours + 7 days of drying at 23°C/50% RH		≥ 0.25 ≥ 0.08 ≥ 0.25	
Adhesion to foamed polystyrene: - when air-dry - after immersed in water for 48 h + 2 hours of drying at 23°C/50% RH - after immersed in water for 48 hours + 7 days of drying at 23°C/50% RH	ETA 17/1027	≥ 0.08 ≥ 0.03 ≥ 0.08	MPa
Adhesion after aging - after thermal humidity cycles - after immersed in water for 7 days and 7 days of drying at 23°C/50% RH - after freezing and thawing cycles	ETA 17/1027	≥ 0.099 ≥ 0.117 NPD	MPa

The specified parameters are average values obtained during the tests. Due to the use of natural raw materials, actual values may slightly differ from those provided in the table.
* Yield depends on the substrate and application technique. The value provided is indicative.

HOW TO USE:

Substrate	The substrate should be clean, structurally sound, compact, even and degreased. Loose dust and contamination as well as poorly bonded coatings of old emulsion paints should be carefully removed. All unevenness and defects should be treated with appropriate leveling mortars. Surfaces infected with fungi and algae must be disinfected using ALGHESIL algae and fungus remover. Prime absorbent and weakly bound substrates with SEMPRE GRUNT GP or ETERNA GRUNT F primer.
Production preparation	Pour the contents of the TESOROMONT UNIWERSALNY TU-200 container gradually into approx. 5-5.5 liters of water (for TESOROMONT TU-200 IGLOO use 4.5-5 liters of water), mixing with a mechanical stirrer, until a homogeneous mass without lumps is obtained. The proper working consistency of the mortar is obtained upon remixing, after a 5-10 minute break. The mortar mixed with water is usable for approx. 2 hours Do not treat the hardened mortar with water or mix with fresh mortar as it will lose its functional properties.
Fastening foamed polystyrene panels	Apply using a trowel around the perimeter of the panel with a 3-4 cm wide strip with several patches with a diameter of approx. 8 cm. Immediately press the panel against the wall and secure with a long float. Correctly applied mortar covers min. 40% of the panel surface after pressing. For even, smooth substrates, the mortar can be applied to the panels using a notched trowel (10-12 mm teeth). The foamed polystyrene panels should be fastened tightly one on the other on one plane, maintaining the staggered arrangement of vertical joints. After setting of the mortar (min. 24 h), sand the panels with sandpaper and fix them with mechanical fasteners, according to the insulation system design.
Making a mesh-reinforced layer	Using a smooth steel float, spread the mixed mortar on the surface of the panels with a 2-3 mm thick layer. Apply a fiberglass mesh with 10 cm overlaps on a fresh mortar, and then apply a second layer of mortar with a thickness of approx. 1 mm and evenly smoothen the surface so that the mesh is not visible and is in the middle of the reinforced layer thickness. Application temperature: 5 to 25°C (air and substrate). Avoid working on surfaces exposed to direct sunlight, in the rain and during strong winds.
Drying	At a temperature of 20°C and a relative humidity of 55%, the minimum curing time is approx. 24 h. Low temperature and high humidity extend the drying time.
Tools cleaning	With water, immediately after use.

PACKAGING

25 kg

STORAGE

Store the product in a factory closed packaging, in a dry and cool room. The shelf life is 12 months from the date of manufacture (see side of packaging).

APPROVALS, CERTIFICATES, TECHNICAL ASSESSMENTS, DECLARATIONS

Declaration of Performance No. KTST/DWU-200/2018
ITB Technical Approval No. AT-15-6383/2016 "Sets of products for insulation of external walls of buildings with the SEMPRE TERM ST PL and SEMPRE TERM ST RENOWATOR systems"
The product covered by the Factory Production Control **- National FPC Certificate No. F-013-BG-068**
European Technical Assessment No. ETA 17/1027 of 10/09/2018 "SEMPRE TERM ST - External Thermal Insulation Composite Systems (ETICS) with rendering

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insulation product -- expanded polystyrene (EPS)"

HEALTH AND SAFETY/FIRE PROTECTION

Non-flammable product. Causes skin irritation. May cause an allergic reaction. May cause respiratory irritation. Causes serious eye damage. Avoid breathing dust. Wear protective gloves / protective clothing / eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. If skin irritation or rash occurs: Obtain medical advice / attention.

The manufacturer guarantees the quality of the product, but has no impact on the way it is applied. The information provided herein is based on the manufacturer's knowledge resulting from many years of observation of practical applications. These, however, do not replace the professional training of the user, nor release the user from compliance with good construction practices and OHS regulations, hence they do not constitute grounds for settling disputes in court. If you have questions or concerns, please contact the manufacturer.

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