

# TESOROMONT STARTTS-100

adhesive mortar for fixing

foamed polystyrene panels

## PROPERTIES

- excellent price-quality ratio
- high bonding power
- resistant to weather conditions
- easily workable
- reinforced with polymers
- easy to apply

## APPLICATION

Adhesive mortar for gluing foamed polystyrene panels as a part of the SEMPRES TERM ST and SEMPRES TERM ST RENOWATOR external thermal insulation system, applied using the light wet method. Supplied as a dry powder mix, ready to use after mixing with water. Intended for both newly-erected buildings and those undergoing thermomodernization. The boards glued with mortar require additional fastening with mechanical fasteners, i.e. plastic fastening dowels. It is also available in the TESOROMONT STARTTS IGLOO version for use in winter or at low temperatures.

## TECHNICAL SPECIFICATIONS

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

Parameters	Parameter	Standard	Value	Unit
	External appearance	-----	A dry homogeneous mixture without lumps and foreign inclusions	-
	Adhesion to concrete:			
	- initial value			
	- after immersed in water for 48 hours + 2 hours of drying	ETA 17/1027	≥ 0.25	MPa
	at 23°C/50% RH		≥ 0.08	
	- after immersed in water for 48 hours + 7 days of drying		≥ 0.25	
	at 23°C/50% RH			
	Adhesion to foamed polystyrene:			
	- when air-dry			
	- after immersed in water for 48 h + 2 hours of drying	ETA 17/1027	≥ 0.08	MPa
	at 23°C/50% RH		≥ 0.03	
	- after immersed in water for 48 hours + 7 days of drying		≥ 0.08	
	at 23°C/50% RH			

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. Fill any unevenness and damages with appropriate leveling mortars (BUDOMONT ZT-620 or BUDOMONT ZS-640). Surfaces infected with fungi and algae must be disinfected using ALGHESIL algae and fungus remover. Prime absorbent and weakly bound substrates with ETERNA GRUNT F or SEMPRE GRUNT GP deep penetrating primer.

**Production preparation**

Pour the contents of the TESOROMONT TS-100 container gradually into approx. 4.5-5 liters of water (for TESOROMONT START TS-100 IGLOO use 4-4.5 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 mixed 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 lines. 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. 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****Declaration of Performance No. KTST/DWU-100/2018**

**ITB Technical Approval No. AT-15-6383/2016** "Sets of products for insulation of external walls of buildings with the SEMPRETERM ST PL and SEMPRE TERM ST RENEWATOR 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** "SEMPRETERM ST - External Thermal Insulation Composite Systems (ETICS) with rendering 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.**