

# TESOROMONT START TS-100/ START TS-100 IGLOO



**adhesive for fixing eps boards  
in thermal insulation of buildings  
using light-wet method**

## PROPERTIES

- good value for money
- high adhesion
- resistant to weather conditions
- reinforced with polymers
- for white and graphite polystyrene
- easy to apply

## APPLICATION

Adhesive mortar for gluing white and graphite polystyrene boards as part of the SEMPRE TERM ST external building wall insulation system using the light wet method. Supplied as a dry powder mixture, ready to use after mixing with water. Designed for both newly constructed buildings and those undergoing thermal modernization. Boards glued with mortar require additional fastening with mechanical connectors, i.e. plastic expansion pins. In the early spring and late autumn periods, when the air and substrate temperatures range from +1°C to +5°C, it is recommended to use the winter version of the TESOROMONT START TS-100 IGLOO adhesive mortar.

## TECHNICAL DATA

<b>Group of products</b>	Façade products
<b>Contains</b>	Cement, lime, trails, mineral fillers, finishing additives
<b>Colors</b>	Grey
<b>Consumption</b>	ca. 4kg /m <sup>2</sup> *

Parameters	Parametr	Norm	Value	Unit
	Appearance	-----	A dry, homogeneous mixture without lumps and foreign inclusions	-
	Density on dry matter basis	EN 998-1:2016	1,63 ± 10%	kg/m <sup>3</sup>
	Compressive strength	EN 998-1:2016	CS IV	---
	Adhesion to substrate and crack model symbol	EN 998-1:2016	≥ 0,08, FP:B	N/mm <sup>2</sup>
	Water absorption	EN 998-1:2016	W <sub>C2</sub>	--
	Reaction to fire	EN 998-1:2016	Class A1	--
	Water vapour permeability, μ	EN 998-1:2016	15/35	--
	Thermal conductivity (λ <sub>10,dry</sub> ) (average table value; P=50%)	EN 998-1:2016	≤ 0,67	W/(m·K)
	Bond strenght between adhesive and substrate (concrete):			
	– initial state	ETA 17/1027	≥ 0,25	MPa
	– after 48 h immersion in water + 2 h drying in 23°C/ 50% RH	BBA 14/5159	≥ 0,08	
	– after 48 h immersion in water +7 days		≥ 0,25	

drying in 23°C/ 50% RH			
Bond strenght between adhesive and insulation product:			
– initial state	ETA 17/1027	≥ 0,08	MPa
– after 48 h immersion in water + 2 h drying in 23°C/ 50% RH	BBA 14/5159	≥ 0,03	
– after 48 h immersion in water +7 days drying in 23°C/ 50% RH		≥ 0,08	
Release of dangerous substances	EN 998-1:2016	see safety data sheet	-

The parameters given are mean of the results obtained during the tests. Due to the use of raw materials, actual values may slightly differ from those in the table.

\* Consumption depends on the substrate and application technique. The given value is approximate.

## USE INSTRUCTION

### Substrates

The substrate should be clean, sound, dense, even and degreased. Loose grains and impurities as well as poorly bonded coatings of old emulsion paints should be thoroughly removed. Any irregularities and defects should be filled in with suitable levelling mortars. Fungus and algae infested surfaces must be disinfected with ALGHESIL algae and fungicide. Saturated and poorly bound grounds should be primed with SEMPRE GRUNT GP or ETERNA GRUNT F.

### Product preparation

Pour gradually the contents of TESOROMONT TS-100/ TESOROMONT START TS-100 IGLOO into approx. 4.5-5 l of water, stirring with a mechanical mixer until a homogeneous mass without lumps is obtained. Proper working consistency of the mortar is obtained after re-stirring after a 5 to 10 minute break. Workability time of mortar mixed with water is approximately 2 hours. Do not treat hardened mortar with water or mix it with fresh mortar - this will result in loss of usable properties.

### Application

Apply with a trowel around the perimeter of the board in a 3-4 cm wide strip with several patches of approx. 8 cm diameter. Immediately press the panel to the wall and press with long float strokes. Properly applied mortar covers min. 40% of the panel surface after it has been pressed. In case of even, smooth bases the mortar may be applied onto panels with a notched trowel (teeth 10-12 mm). Fix foamed polystyrene boards tightly next to each other in one plane, maintaining a passing arrangement of vertical joints. After the mortar has set (min. 24 h), grind the boards with sandpaper and fix them with mechanical fasteners, according to the insulation design. Application temperature: for TESOROMONT START TS-100: from +5°C to +25°C (air and substrate), for TESOROMONT START TS-100 IGLOO: from +1°C to +25°C (powietrze i podłoże). Avoid working in direct sunlight, in the rain or in strong wind.

### Drying

At +20°C and a relative air humidity of 55% the drying time of the coating is approx. 24 hours. Low temperatures and increased humidity extend the drying time, even a few days.

### Cleaning tools

Water – directly after use.

## PACKAGE

25 kg

## STORAGE

12 month from date of manufacture located on the side of package. Store in original container in a cool room, protected from moisture. Before using please read the information in the recent issue of the product.

## SAFETY AND HYGIENE AT WORK/ FIRE PROTECTION

Keep out of reach of children. Avoid breathing dust. Wear protective gloves / protective clothing / eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention

**The manufacturer guarantees the quality of the product, but has no influence on way it is used. All included information is based on the best knowledge of the manufacturer resulting from long-term observations of practical applications, but can not replace the contractor's professional training and do not release them from adhering to the construction standards and safety, hence they do not constitute a basis for the settlement of disputes through the courts. The contractor and the seller are not exempt from carrying out the suitability test of our products in specific applications other than those described in the data sheet on their own responsibility. If you have questions or concerns, please contact the manufacturer.**