

TESOROMONT UNIWERSALNY TU-200

grey and white

adhesive for to make the base coat with
a mesh and fixing eps boards
in thermal insulation of buildings
using light-wet method

Sempre[®]

PROPERTIES

- very good adhesion to the ground
- very good water vapor permeability
- easy to use
- high flexibility after binding
- high resistance to the formation of cracks
- contains fiber
- strengthen with polymers
- weatherproof

APPLICATION

The adhesives **TESORMONT UNIWERSALNY TU-200** is used to make the base coat with a mesh, and to stick EPS white and grey boards within the system of external walls of buildings (SEMPRE THERM EXTERNAL WALL INSULATION SYSTEMS) using light-wet method. It is suitable for both newly constructed buildings as well as undergoing renovation. If the technical project requires, glued with the mortar EPS boards should be fixed also with a mechanical fasteners such as dowel pins from plastic. After binding, it remains flexible. It exhibits high impact resistance. It contains fibers. Also available in TESOROMONT UNIWERSALNY TU-200 IGLOO version for use in winter or at low temperatures.

TECHNICAL DATA

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

Parameters	Parameter	Norm	Value	Unit
	Appearance	-----	A dry, homogeneous mixture without lumps and foreign inclusions	-
	Bond strenght between adhesive and substrate (concrete):		≥ 0,25	
	– initial state	ETA 17/1027	≥ 0,08	
	– after 48 h immersion in water + 2 h drying in 23°C/ 50% RH	BBA 14/5159	≥ 0,25	MPa
	– after 48 h immersion in water +7 days drying in 23°C/ 50% RH			
	Bond strenght between adhesive and insulation product:		≥ 0,08	
	– initial state	ETA 17/1027	≥ 0,03	
	– after 48 h immersion in water + 2 h drying in 23°C/ 50% RH	BBA 14/5159		MPa
	– after 48 h immersion in water +7 days drying in 23°C/ 50% RH		≥ 0,08	
	Density on dry matter basis	EN 998-:2016 [IDT]	1,62 ± 10%	kg/m ³

Compressive strength	EN 998-:2016 [IDT]	CS IV	-
Adhesion to substrate and crack model symbol	EN 998-:2016 [IDT]	≥0,08, FP:B	N/mm ²
Water absorption due to capillary rise	EN 998-:2016 [IDT]	W2	
Water vapour permeability coefficient μ	EN 998-:2016 [IDT]	15 / 35	
Thermal conductivity coefficient ($\lambda_{10,drv}$) (average table value; P=50%)	EN 998-:2016 [IDT]	≤ 0,67	W/m·K
Reaction to fire	EN 998-:2016 [IDT]	A1	-
Release of dangerous substances	EN 998-:2016 [IDT]	see safety data sheet	-
The required layer thickness	-	3 – 5	mm

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 surface should be stable, firm, dry and cleaned of dust, dirt, grease. Weakly bound plaster should be removed. Holes and surface irregularities should be corrected, paint coatings with low adhesion to the substrate must be completely removed, for example, with water under pressure. Places that are home to mosses and algae should be cleaned, and then primed with fungicide ALGHESIL. Substrates with high water absorption, such as the walls of autoclaved aerated concrete blocks or sand-lime bricks should be primed ETERNA GRUNT F.

Product preparation

To the measured amount of cold water in an amount of 5.5 liters, pour the contents TESOROMONT UNIWERSALNY TU-200, and then mix using a drill with a mixer, until a mass will be homogeneous without lumps. Working mortar proper consistency is obtained after re-mixing after 5 to 10 minute interval. Do not treat hardened mortar with water or mix it with fresh mortar.

Attaching EPS boards:

Ready adhesive put on EPS by a trowel around the perimeter of boards with a width band 3 to 4 cm and in a few spots with a diameter of about 8 cm. Immediately put the EPS board into the wall and press it down with impacts of long float. Properly applied mortar, when pressed, covers at least 40% of its surface. If even of smooth surfaces, the mortar can be applied to a EPS using a notched trowel (teeth 10-12 mm). EPS boards should be fastened tightly to each other, in the same plane, while maintaining passing in the vertical pin. After the mortar used to attach boards bond (about 3 days), boards must be sanded and proceed to the necessary, additional mechanical mounting switches. Number of switches should be at least 4 per m².

Application

Performing mesh reinforcement layer:

For that prepared substrate spread mortar to a depth of 2-3 mm with a smooth, steel trowel. A fiber glass mesh should be applied on the fresh mortar preserving 10 cm overlap. Then apply a second layer of mortar with a thickness of about 1 mm and smooth surface, so that the mesh is not visible and it is in the middle of the thickness of the reinforcing layer.

Application temperature: +5 to +25 °C (air and substrate). Avoid working on sunny surfaces, rain and 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.

CERTIFICATES, TECHNICAL EVALUATIONS, DECLARATIONS**Declaration of Performance No. KTES/DWU-200/2020****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.