

TESOROMONT

WM - 300/

WM - 300 IGLOO

Sempre®

**adhesive mortar
for bonding mineral wool
and embedding mesh
WHITE**

PROPERTIES

- inside and outside
- flexible
- reinforced with fibers
- for hand application
- high strength
- weatherproof
- high adhesion to the substrate and mineral wool
- white

APPLICATION

Adhesive and filler mortar designed for attaching facade and lamella mineral wool panels, creating a reinforced layer within the SEMPRE TERM WM exterior wall insulation system using the light-wet method. It can also be used indoors for gluing mineral wool and creating a reinforced layer. Supplied as a dry powder mixture, ready to use after mixing with water. Designed for both newly constructed buildings and those undergoing thermal modernization. Panels bonded with the mortar require additional fastening with mechanical fasteners, such as expansion bolts. Also available in the TESOROMONT WM-300 IGLOO version for use in winter or in low temperatures.

TECHNICAL DATA

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

Parameters	Parameter	Norm	Value	Unit
	Appearance	-----	A dry, homogeneous mixture without lumps and foreign inclusions	-
	Dry bulk density	EN 998-1:2016	1500 - 1700	kg/m ³
	Reaction to fire	EN 998-1:2016	Class A1	-
	Water absorption	EN 998-1:2016	W _{c2}	-
	Water vapour permeability coefficient μ	EN 998-1:2016	15 / 35	-
	Adhesion to substrate and crack model symbol	EN 998-1:2016	$\geq 0,25$, FP:B	N/mm ²
	Thermal conductivity coefficient ($\lambda_{10,dry}$) (average table value; P=50%)	EN 998-1:2016	$\leq 0,54$	W/m·K
	Bond strenght between adhesive and substrate (concrete):			
	– initial state	ETA 16/0633	$\geq 0,50$	MPa
	– after 48 h immersion in water +2h drying in 23°C/50%RH		$\geq 0,15$	
	– after 48 h immersion in water +7 days drying in 23°C/ 50% RH		$\geq 0,80$	

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SEMPRE FARBY Sp. z o.o.

Bond strenght between adhesive and insulation product:			
– initial state	ETA 16/0633	$\geq 0,125$	MPa
- after hygrothermal cycles		$\geq 0,004$	
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 surface should be firm, sound, dry and free from dust, dirt and grease. Hammer off poorly connected plasters. Level holes and irregularities of the substrate with mortar (BUDOMONT ZT-620 or BUDOMONT ZS-640). Coatings of low adhesion to the substrate must be removed completely, for example with water under pressure. Places where mosses and algae can be found must be cleaned with steel brushes and then disinfected with algae and fungi remover ALGHESIL. Absorbent and weakly bound substrates must be primed with ETERNA GRUNT F or SEMPRE GRUNT GP.

Product preparation

To approx. 5,5 liters of cold water (basic version) or 4.5-5.0 l (IGLOO version) gradually pour the contents of the package of mortar stirring with a mechanical mixer until a homogenous mass without lumps. The proper working consistency of mortar is achieved after the re-remixing, after 5-10-minute break. The usability of such prepared mixture of mortar with water is approximately 2 hours. Hardened mortar need not be refreshed with water or mixed with fresh mortar - it causes a loss of performance.

Mounting plates of facade mineral wool:

Coat the inner surface of the plate with the mortar TESOROMONT WM-300 in the places of subsequent fixing with glue in order to perform a bonding layer. Apply with a trowel around the perimeter of the board with a bandwidth of 3-4 cm with some patches having a diameter of approx. 8 cm. Immediately press the plate to the wall and push with strokes of the long float. Properly applied mortar covers min. 40% of its surface. Mount the plates closely side by side in one plane, while maintaining brick like manner vertical connection. After mortar gets bound (approx. 3 days), fasten the plates with mechanical fasteners according to the draft of the warming.

Mounting plates of lamella mineral wool:

Coat the entire inner surface of the plate with the mortar TESOROMONT WM-300 in order to perform a bonding layer. Then, apply and spread mortar with a notched trowel (teeth 12x12 mm). Immediately press the plate to the wall and push with strokes of the long float. Mount the plates closely side by side in one plane, while maintaining brick like manner vertical connection. After mortar gets bound (approx. 3 days), fasten the plates with mechanical fasteners according to the draft of the warming.

Application

Making reinforced layer with mesh:

On the surface of the attached plates apply the mortar layer with a thickness of 2-3 mm using a smooth, steel trowel. Apply fiberglass mesh upon the fresh mortar, preserving tucks of 10 cm, and then apply a second layer of mortar with a thickness of approx. 1 mm and evenly smooth the surface, so that the mesh is no longer visible and is at half of the thickness of the reinforcing layer. Application temperature: from +5°C to +25°C (air and substrate). Avoid working on surfaces in the sunlight, while rain and high winds.

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 cannot 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.