

THERMOMALT

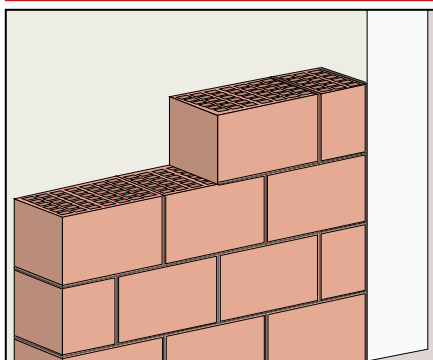
HEAT-INSULATING MORTAR FOR MASONRY WORK,
FOR EXTERIOR AND INTERIOR APPLICATION

GRANTS *LEED* CREDITS

CHARACTERISTICS		ENVIRONMENTAL		METHOD OF USE		PRECAUTIONS
THERMAL INSULATION	ALLOWS TO BREATHE	ECO GREEN	RECYCLABLE	MIX MECHANICALLY	APPLY BY TROWEL	STORAGE: IN A DRY PLACE

PROBLEM

RAISING HOLLOW WALLS FREE OF THERMAL BRIDGES



SOLUTION

THERMOMALT is a lightweight pre-mixed, dry and heat-insulating wall mortar formulated with hydraulic lime and cement, boasting a thermal conductivity similar to that of hollow walls. The walls thus constructed will be thermally uniform and free of thermal bridges.



APPLICATION FIELDS

THERMOMALT is suitable for raising outdoor and indoor hollow walls conforming to Class M5 requirements (compressive strength $>5 \text{ N/mm}^2$).

ADVANTAGES

- Heat-insulating mortar.
- Avoids thermal bridges.
- Lightweight and easy to apply.

METHOD OF USE

• PREPARING THE MIX

THERMOMALT must be mixed solely with water (1) (roughly 34%).

Use a cement mixer or low-speed drill.

• APPLICATION

The product can be applied using a trowel or stainless steel brick trowel (2).

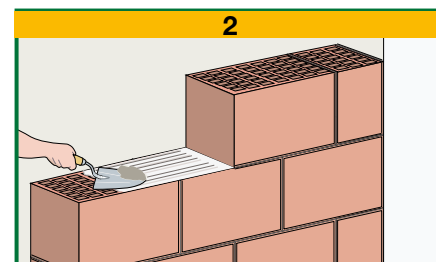
• COVERAGE

Consumption hovers around 0.8 kg/litre.

Approximate coverage with size 30 hollow block: 1 m²/bag.

• PRECAUTIONS

- Minimum application temperature $+5^\circ\text{C}$.
- Protect the product against frost or high temperatures.
- Do not apply loads on the wall before the mortar has hardened.
- Clean tools with water.
- Store in a dry place.



TECHNICAL CHARACTERISTICS

	Standard	THERMOMALT
Appearance		Powder
Colour		Light grey
Particle size		0÷1.3 mm
Apparent density	EN 1015-6	0.70 ± 0.10 kg/L
Mixing water		34% ± 1%
Storage in original packaging in a dry place		12 months
Mix properties and workability		
Density of the mix		0.90 ± 0.10 kg/L
Application temperature		+5°C ÷ +35°C
Minimum application thickness		5.0 mm
Maximum application thickness per layer		30.0 mm
Application		Manual
Performance characteristics	Standard	Product performance
Class and type	EN 998-2	M5
Resistance to compression - after 28 days	EN 1015-11	>5.0 N/mm ² - CS III
Resistance to bending - after 28 days	EN 1015-11	3.0 N/mm ²
Adhesion	EN 1015-12	≥0.5 N/mm ² - FP: B
Water absorption through capillarity	EN 1015-18	w ≤ 0.4 kg/m ² ·h ^{0.5} - W1
Water vapour permeability coefficient	EN 1015-19	μ = 5 ÷ 20
Thermal conductivity λ _{10,dry}	EN 1745 A.12	0.18 W/mK
Durability	EN 998-2	5.4.7 compliant
Chloride ion content	EN 1015-17	Absent
Initial shear resistance	EN 998-2 App.C	≥0.15 N/mm ²
Thermal resistance - Working temperature		-30°C ÷ +90°C
Reaction to fire	EN 13501-1	A1
Hazardous substances	EN 998-2	According note in ZA.1

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbency of the base coat.

(*) The stated times may be longer or shorter as the temperature decreases or increases.

Compliant with the general principles defined in EN 998-1 - Principles for evaluation of the use of products and systems.

The numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

THERMOMALT

25-kg Sack

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

 <p>index Construction Systems and Products</p> <p>Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390</p>	<p>Internet: www.index-spa.com Informazioni Tecniche Commerciali tecom@indexspa.it Amministrazione e Segreteria index@indexspa.it Index Export Dept. index.export@indexspa.it</p>		 <p>TOTAL QUALITY Index UNI EN ISO 9001</p>	 <p>Environmental Management Systems Index UNI EN ISO 14001</p>	 <p>index socio del GBC Italia</p>	 <p>lavorosicuro</p>
--	--	---	---	--	--	--