

mortars

THERMOG 03

Mortar for thermal insulation masonry, M5 class



Product description

Dry premix, based on lightweight selected inerts, hydrated lime, hydraulic binder, mainly hydraulic lime and special additives.

Supply and Storage

THERMOG 03 is supplied in bulk, in a 22m³ silo.



Surface Preparation and Application

The surface must be free from dust, efflorescence, oils and fats. When temperatures are high, it is advisable to wet out the brick before laying.

For the application, operate as follows: adjust the water intake of the mixer to reach optimum consistency (for product delivered in silo). Proceed with application after having placed alignment and lead weights, taking care to properly attach each item. While the product is still soft, spread the mortar in lines which cover the outer side of the thermal insulation bricks, carefully avoiding that these lines meet.

Fields of use

THERMOG 03 is a mortar which is used on all types of exterior and interior masonry where thermal insulation bricks

are used, or cement blocks with insulation inerts. Do not use onto cellular cement blocks, gypsum surfaces and for masonry with exposed concrete.

Specifications

The thermal insulation elements used for the elevation of the walls, both interior and exterior, like porous bricks, thermal insulation blocks, etc. must be carefully enticed with premixed mortar type THERMOG03 from Fornaci Calce Grigolin, dry premix based on selected inerts, lightweight aggregates, aerial and hydraulic binders and special additives aimed at improving workability and grip. The mortar will be placed on blocks, taking care to form two separate courses with space between each other in order to minimize the possibility of bridging.

Technical data according to the UNI EN 998-2 Standard

Specific weight	850±950 kg/m ³ determined in free fall
Maximum diameter	3 mm
Pot life	2 h
Water in the mix	approx. 30-32%
Application thickness	0.5 mm/m
Chloride content	0.5 cm
Resistance to initial cut	0,15 N/mm ² (tabulated value)
Mechanical resistance to flexion at 28 days	> 2.2 N/mm ²
Mechanical resistance to compression at 28 days (M5)	> 5 N/mm ²
Fire resistance	A1 class
Water vapor permeability ↔	5/20 (tabulated value)
Thermal conductivity	0.24 W/mK (tabulated value)

Disclaimers

Do not mix THERMOG03 with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Avoid using THERMOG03 when temperatures are below +5°C or above +30°C. Wet surface before application. Do not apply onto frozen surfaces.

I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificarne l'idoneità nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare e modificare le tecniche di qualsiasi genere senza alcun preavviso.

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