FIBRETHERM

Waterproof fiber-reinforced thermal insulation background plaster for interiors and exteriors

Product description

Thermal insulation fiber-reinforced dry premix, according to UNI EN 998-1 based on sand from 0-1,2 mm according to EN 13139, polystyrene, hydraulic binder according to EN 197, aerial binder according to EN 459, water-repellent agent and special additives. The mechanical strength corresponds to the CS I group according to EN 998-1.

Supply and Storage

FIBRETHERM is supplied in 20 kg. bags on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact. Use before the expiry date stamped on the bag.

Surface Preparation and Application

FIBRETHERM may be used for both new construction and for the renovation of residential or industrial premises; the product may be applied both manually or by mechanical projection. For mechanical application it is recommended to use a full blades blender with an auxiliary "turbo", "rotorquill" mixer or similar.
For the application, operate as follows: Having positioned the corners and set the water mixture to obtain a mortar of appropriate consistency and plastic appearance, you may start working at a distance of about 15-20 cm in order to obtain a thickness of about 2 cm per coat. After a few minutes, even off with the aluminum level. On the product applied as described above, after about 24-48 hours, once the surface is firm, you should start "scraping" the surface by using an american spatula in order to remove the polystyrene which is not fully integrated and, at the same time, to prepare an optimal surface for the subsequent finish, which may be done in one of two ways:
A) shaving, reinforcement, thickness 3-4 mm, to be performed after 4* weeks with products such as our own AG10 RASOTHERM or alternatively AG14 POLYFLEX and subsequent breathable colored finish, which should be done after 1 week, with our coatings of the arteMURI line based on silicates SIL4 INTO 0.7 ÷ 2.5 mm, on siloxane XIL2 INTO 0.7 ÷ 2.5 mm or on mineral GR 100-200-300;
B) directly with breathable colored finish, 4-5 mm thick, to be performed no earlier than 4* weeks after the laying of FIBRETHERM, with our coatings of the arteMURI line based on silicates SIL4 INTO 0.7 ÷ 2.5 mm, on siloxane XIL2 INTO 0.7 ÷ 2.5 mm or on mineral GR 100-200-300.

* minimum drying period which may vary depending on weather conditions and in any case it must not be less than 1 week for every cm. of FIBERTHERM applied. The minimum application thickness will be of 2 cm.

Fields of use

FIBRETHERM is a high yield, fiber-reinforced, thermal insulation plaster which may be used for interior and exterior plastering on surfaces like brick, rough concrete, plaster-port network, blocks, etc. and interior and exterior substrates.
FIBRETHERM is particularly suited for plastering high thermal resistance bricks like Poroton, porous bricks with values lower than 0.13 W/mK. Due to its special formula, it may also be used for plastering surfaces which require the application of plaster layers thicker than regular (> 2 cm.) Smooth concrete structures must first be primed with our own RG12 or, alternatively, prepared with AG12 RINFLEX in order to ensure subsequent grip.
FIBRETHERM should not be applied to gypsum, painted or crumbly and insubstantial surfaces.

Specifications

The surfaces to be plastered must be clean, stable, eventually humidified and must have a uniform surface. Each inconsistent part must be removed or consolidated.
The surfaces thus prepared may be plastered by a lung-screw machine with the FIBRETHERM plaster from Fornaci Calce Grigolin, thermal insulation fiber-reinforced dry premix, according to UNI EN 998-1 based on sand from 0-1,2 mm according to EN 13139, polystyrene, hydraulic binder according to EN 197, aerial binder according to EN 459, water-repellent agent and special additives. The mechanical strength corresponds to the CS I group according to EN 998-1, at the rate indicated by the appropriate authority, based on the thermal evaluation of the objective.

Technical data according to the UNI EN 998-1 Standard

Specific weight	550 kg/m3 determined in free fall
Maximum diameter	1,2 mm
Water in the mix	cca. 60% / 12 lt. per bag
Water quantity for 20 kg. bag	12 lt
Minimum application thickness	2 cm
Consumption	10,5 kg/m2 per thickness of 2 cm
Consumption for 40 lt. bag	4 m2 x cm thickness
Mechanical resistance to flexion	0,8 N/mm^2
Mechanical resistance to compression	1,6 N/mm^2
Thermal conductivity	0,13 W/mK (tabulated value)
Water vapor permeability ↔	10
Adhesion to surface	> 0,1 N/mm^2
Fracture type	A
Water absorbtion	W0
Fire resistance	A1 class

Disclaimers

Do not mix FIBRETHERM with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. We do not recommend using HYDROTHERM when temperatures are below +5°C or above +30°C. Protect skin and eyes from direct contact with the product. In case the product comes in direct contact with eyes, wash immediately and abundantly with fresh water and consult a physician..

Numero Verde 800 350907
www.fornacigrigolin.it
info@fornacigrigolin.it

Grigolin evoluzioni costruttive