

ISI INTONACO

Single coat dehumidifying fiber-reinforced plaster, based on sulphate-resistant binders

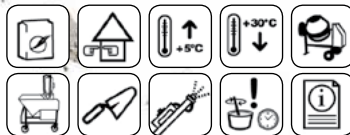


Product description

Fiber-reinforced, dry premix, based on a special blend of carefully selected inerts, a mixture of hydraulic binders, highly resistant to salt and additives aimed at improving workability and grip. The specific formulation allows for the obtaining of a combined product: a porous structure designed to facilitate the salt crystallization, a high capacity of water vapor diffusion which can enhance the evaporation function of the moisture, a strong dehumidifying capacity and an excellent protection from rain water.

Supply and Storage

GRIGONOVA ISI INTONACO is supplied in special 25 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

Follow carefully the guidelines as reported in technical Specifications. For the preparation of the dough, in case of manual applications, mix about 18 liters of water for each 100 kg. of dry product (approx. 4.5 lt./25 kg.) in a concrete mixer or with a rotary hammer drill, to obtain a homogeneous mortar without lumps and of plastic consistency (about 3 minutes), capable to provide sufficient grip on the walls. In case of mechanical application, use the plastering machine fitted with a standard mixer but with the help of "turbo", "rotorquill" or similar mixer. The use of a D8/1.5 lung type is imperative. Do not mix manually. Subsequently, apply GRIGONOVA ISI INTONACO by hand or plastering machine. For manual application, after dough preparation, the material must be used within the next 15-20 minutes in order to ensure proper functioning. GRIGONOVA ISI INTONACO must be applied with a thickness of 2 cm per layer. It is recommended that the minimum thickness is not inferior to 2 cm. The application thickness will be assessed, however, depending on the type and status of surface in question. It is recommended to even off the surface without exerting excessive pressure.

Fields of use

GRIGONOVA ISI INTONACO may be applied both by hand and with a plastering machine on interior and exterior walls like brick, block, stone, travertine, etc. It is used in the rehabilitation of masonry attacked by salts or in the presence of outcropping moisture. The application must be made on surfaces free of dust, efflorescence, oils, fats and previously treated with GRIGONOVA ISI RINZAFFO.

Specifications

Cover the surface completely with GRIGONOVA ISI RINZAFFO, the latter should present a curing time over 48 hours. We recommend, however, the application of GRIGONOVA ISI INTONACO within 7 days thereafter, after assessing the degree of absorption of the roughcast layer. The surfaces thus prepared may be plastered either by hand or by lung-screw plastering machine with GRIGONOVA ISI INTONACO plaster from Fornaci Calce Grigolin, fiber-reinforced dry premix based on selected inerts, a mixture of hydraulic and specific binders with high resistance to salt and special additives aimed at improving workability and grip. The product should be applied with a maximum thickness of 2 cm per layer, for a consumption of approx. 11-12 kg/m² per cm of thickness, and the surface will be evened off with the aluminum level.

Technical data according to the UNI EN 998-1 Standard

Specific weight	1.450 kg/m ³ determined in free fall
Maximum inert diameter	3 mm
Pot life	2 h
Plastic withdrawal	Absent in standard termohygrometric conditions
Water in the mix	18% ca.
Theoretical yield	11-12 kg/m ² per 1 cm thickness
Mechanical resistance to flexion at 28 days	1,2 N/mm ²
Mechanical resistance to compression at 28 days	2,5 N/mm ²
Sulphate resistance	Samples intact after 1 month of immersion in a sulphatic environment
Air content in fresh mortar	> 25%
Porosity	> 40%
Capillary absorption coefficient W24	> 0,3 kg/m ²
Water vapor permeability μ	7
Adhesion to brick	0,3 N/mm ²
Fracture type	B
Thermal conductivity λ	0,40 W/m ² K (tabulated value)
Application thickness	≥ 2 cm
Fire resistance	A1 class

Disclaimers

GRIGONOVA ISI INTONACO complies with WTA provisions. Nevertheless, we do not recommend application in cases of high contamination with salts. In any case, contact our technical service.

Do not mix GRIGONOVA ISI INTONACO with other substances. Do not apply to gypsum, inconsistent and brittle surfaces. We do not recommend using GRIGONOVA ISI INTONACO when temperatures are below +5°C or above +30°C. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Apply on areas previously saturated with water at low pressure. Follow carefully the guidelines as reported in technical Specifications, and in particular with respect to:

- 1) application method (thickness, timing);
- 2) mixing method (% of water and mixing time).