INTOSTORICO

INTOSTORICO is biocompatible Eco-Plaster, Dehumidifying, and pre-packaged powder for internal and external use, according to standard UNI EN 998-1. INTOSTORICO is totally free of concrete and compounds belonging to the clinker group and consists of a mixture of pure limestone sands screened with continuous grain size arc from 0 to 2.5 mm. The only binder is ST ASTIER Pure Natural Hydraulic Lime NHL 5 according to standard UNI EN 459-1. The lime NHL 5, white, is produced by baking siliceous limestones at temperatures below 1250° C and reduced to powder by only the breakdown of the calcium oxide without the addition of pozzolanic or hydraulic binders of any kind.

- Dehumidifying
- Environment Friendly
- Restoration
- Chromium-Free
- Breathable
- Resistant
- Cement Free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anti-Condensing
- Antimuffa
- Veloce
- Reversibile
- Facile
- Bioedilizia

Features

INTOSTORICO is biocompatible Eco-Plaster, Dehumidifying, pre-packaged powder free of salts, chemical products and volatile organic compounds VOCs. These features, combined with the total mineral nature of the components, guarantee the purity, non-toxicity, non-harmfulness and the total recyclability of the product in full respect for man and the environment. The selected aggregates and pure hydraulic lime NHL 5 that constitute INTOSTORICO, have a natural porous structure. This structure gives the material a high degree of dehumidification and breathability favouring the necessary exchange of vapour between the inner and outer surface. The use of INTOSTORIC makes the plaster eco-friendly, biocompatible and reversible, giving high breathability to the substrate, thus avoiding damaging condensation and bacterial proliferation.

Fields of Application

INTOSTORICO is specific for the formation of dehumidifying plasters on new and old masonry walls, for low thickness up to 4 cm and for the repointing of the mortar joints It is easily workable with the traditionally used techniques in the application of lime plaster. INTOSTORICO can be applied directly on vertical and horizontal surfaces made of brick, solid, perforated, lightweight bricks, mixed brick, stone and tuff. For all those compact or poorly absorbent surfaces (solid blocks or concrete cables and expanded clay pebbles, concrete block cells, lime or cement based substrates, reinforced concrete structures, magnesium wood) the use of INTOSTORICO must be preceded by SPRIZZO Ponte di Adesione.

Application

The application of the smoothing coat INTOSTORICO should be preceded by the preparation of the substrate: if the surface is compact or poorly absorbent, the application must be preceded by SPRIZZO Ponte di Adesione (Adhesion Bridge); for masonry affected by rising damp, it is recommended to use SPRIZZO ANTISALE.

The substrate, if dry, should be suitably wet except for the surfaces already treated with a repairing and restoration mortar SPRIZZO ANTISALE. INTOSTORICO can be applied manually with float and trowel or bucket plastering machine, or mechanically using a traditional peristaltic pump or screw plastering machine (stator/rotor D5-2.5 PFT). In the case of application with a plastering machine, the tube length must not exceed 20 m and the prevalence must not exceed 6 m. IINTOSTORICO is pre-packaged and mixed only with about 5-7 l water per bag according to the desired consistency.

The application thickness must not exceed 1-2 cm per coat. If several layers are to be applied, wait until the previous one has lost a good deal of the mixture water and the surface is not compact. To make planar surfaces you need to proceed to the levelling with an aluminium straight edge and finish them floating with plastic/wood floats or scraping by planing.

If the layer of INTOSTORICO applied earlier is already dry, proceed and wet the surface before applying the following layer. This operation will maintain the new layer workable and ensure perfect adhesion to the underlying layer. In order to contain any cracking phenomena that may occur where there are geometric discontinuity zones or due to the nature of the substrate, it is recommended to place an alkali resistant fibreglass mesh TCS GLASS CK 100. The mesh will be laid on the last plaster centimetre.

The application of the smoothing INTOCIVILE coat, in the the 0.4 and 0.8 Natural or White Botticino versions, can take place after proper curing of the substrate, averaging 2-3 days for each applied cm. These timings can vary due to the temperatures and application conditions.

The plasters obtained with INTOSTORICO must be separated from the walkway surfaces (side walks, roads, terraces), areas where water stagnation and contact with the ground (meadows, flower beds, sand or gravel substrates for self-blocking screeds of cement or natural stone) in order to prevent the emergence of a capillary ascension phenomenon in the plaster body that would cause the formation of superficial stains and the consequent early degradation of applied finishes.

Finishes

The choice of using a Lime or Potassium Silicate product is the natural completion of a cycle involving a finishing procedure with similar characteristics, particularly in terms of breathability, smoothing coat and basic plaster. The use of products belonging to the TCS Finishing Line products made as a Mortar CL 90 binder or Potassium Silicate binders, is the obligation to fulfil the expectations of aesthetic and performance features at the basis of the choice TCScycle.

Dati Tecnici

PRODUCT TYPE: Mortar for general scopes (GP) for indoors and outdoors complying with the standard UNI EN 998-1

GRAIN SIZE CURVE (EN 1015-1) 0 - 2.5 mm

pH OF THE MIXTURE > 12.5

FRESH MORTAR APPARENT DENSITY (EN 1015-6) 1810 kg/m³

DRIED MORTAR APPARENT DENSITY (EN 1015-10) 1620 kg/m³

APPARENT DENSITY IN PILE 1400 kg/m³

COMPRESSIVE STRENGHT (EN 1015-11) category CSII

FLEXURAL STRENGHT (EN 1015-11) 1.27 N/mm²

ADHESION (EN 1015-12) 0.15 N/mm² FP-B

WATER VAPOUR PERMEABILITY COEFFICIENT (EN 1015-19) μ < 12

WATER ABSORPTION THROUGH CAPILLARITY (EN 1015-18) W0

THERMAL CONDUCTIVITY (EN 12667): lambdaD 0.54 W/(mK) Tabulate value

FLAME RESISTANCE (EN 13501-1) class A1

MIXING WATER 5 l per bag

CONSUMPTION 14 kg/m² for 1 centimetre of thickness

THICKNESS PER COAT 1-2 cm

PACKAGING 25 kg bag

PALLET 48 bags, 1200 kg

STORAGE 18-24 months in the original package stored in a dry place

APPLICATION TEMPERATURE from +5°C a +32°C

REACH CLASSIFICATION See SDS