

INTOCOLOR

INTOCOLOR is a Biocompatible Eco Plaster, Pigmented with natural soil, pre-packaged powder for interior and exterior use according to standard UNI EN 998-1. INTOCOLOR is totally free of cement and compounds belonging to the clinker group and is made up of a mixture of pure limestone sands, screened with a continuous grain size arc from 0 to 2.5 mm. The only present binder is the 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 in powder by only the break down of calcium oxide, without the addition of pozzolanic materials or hydraulic binders of any kind.

- Dehumidifying
- Environment Friendly
- Chromium-Free
- Restoration
- Breathable
- Resistant
- Cement Free
- Versatile
- Recyclable
- Healthy
- Anti-Condensing
- Anti-Mould
- Quick
- Reversible
- Easy
- Green Building
- Pollution Resistant



Features

INTOCOLOR is a Pigmented, Dehumidifying, pre-packaged powder, biocompatible, free of salts, chemical products and volatile organic compound (VOCs) plaster. 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. Selected aggregates and pure hydraulic lime NHL 5, which makes up intocolor, have a natural porous structure. This structure gives the material a strong capability of dehumidification and breathability, facilitating the necessary exchange of vapour between the inner and outer surface. The features of INTOCOLOR allow, with the laying of a single product, to fulfil the classic protective functions of plaster as well as aesthetic finishes. INTOCOLOR is available in three shades of Terre di Alberino, Terre di Franciacorta, Terre di Brianza or to the sample.

Fields of Application

INTOCOLOR is specific for the formation of dehumidifying coloured plasters on new and old masonry walls, for low thicknesses up to 4 cm, for the repointing of mortar joints and as the bed mortar in raso pietra works. It is easily workable with the traditionally used techniques in the smoothing applications. INTOCOLOR can be applied directly on vertical and horizontal surfaces made up of bricks of 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 INTOCOLOR will be preceded by the application of SPRIZZO Ponte di Adesione.

Application

The installation of INTOCOLOR must be preceded by the preparation of the substrate: if the surface is compact or little absorbent, the application must be preceded by SPRIZZO Ponte di Adesione; for masonry with rising damp it is recommended to use SPRIZZO ANTISALE.

If the substrate is dry, it should be suitably wet except for the surfaces already treated with repairing and restoration mortar SPRIZZO ANTISALE. INTOCOLOR 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 case of application with a plaster machine the pipe length must not exceed 20 m and the prevalence must not exceed 6 m. INTOCOLOR is pre-packaged and mixed only with about 5-7 l of water per bag depending on the desired consistency.

Application thickness should not exceed 1-2 cm per coat. When applying multiple layers, wait until the previous one has lost a large part 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 previously applied INTOCOLOR layer is already dry, you will proceed with adequate wetting of the substrate before applying the next layer. This operation will allow keeping the new layer workable and will ensure perfect adhesion to the underlying layer. In order to contain any cracking phenomena which may occur in the zones of geometrical discontinuity or the nature of the substrate it is recommended to place an alkali resistant fibreglass mesh TCS GLASS CK 100. The mesh will be laid in the last cm of the plaster.

INTOCOLOR plasterworks must be separated from the walkway surfaces (sidewalks, roads, terraces), from areas where water stagnation and contact with the soil may occur (meadows, flower beds, sand or gravel substrates for self-blocking screeds of cement or natural stone) in order to prevent the emergence of the capillary ascension phenomenon in the plaster body which would cause the formation of superficial stains and the consequent early degradation of the surface.

Finishes

If you decide to leave the INTOCOLOR plaster naturally, it is recommended to apply a water-proof protection type TI-10 or TI 10 PLUS of TCS Protection Line.

Technical Data

PRODUCT TYPE Mortar for general purposes (GP) for internal and external use complying with the standard UNI EN 998-1

AVAILABLE COLOURS Terre D'Alberino - Terre di Franciacorta - Terre di Brianza - or to the Sample

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 STRENGTH (EN 1015-11) Categor CSII

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

ADHESION (EN 1015-12) 0.15 N/mm² FP-B

WATER VAPOUR PERMEABILITY COEFFICIENT (EN 1015-19) $\mu < 12$

WATER ABSORPTION THROUGH CAPILLARITY (EN 1015-18) W0

THERMAL CONDUCTIVITY (EN 12667) lambdaD 0.54 W/(mK) Tabulated

FLAME RESISTANCE (EN 13501-1) A1 class

MIXING WATER 5-7 l per bag

CONSUMPTION 14 kg/m² about for 1 cm thickness

THICKNESS PER COAT 1-2 cm

PACKAGING 25 kg bag

PALLET 48 bags, 1200 kg

TONALITY NOTE: Any colour differences in different batches are to be considered a characteristic of the material due to its natural composition. We recommend the use of the same batch for each individual job.

STORAGE keep in dry place for 18-24 months in original package

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

REACH CLASSIFICATION See SDS