

INTOCIVILE 0.4 NATURALE

INTOCIVILE 0.4 NATURALE is a biocompatible smoothing compound for intonachino plaster finish, pre-packaged powder, for interior and exterior use, according to standard UNI EN 998-1. INTOCIVILE 0.4 NATURALE is totally free of cement and compounds belonging to the clinker group. It consists of a mixture of pure silicate calcareous sand, screened with continuous grain size arc from 0 to 0.4 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
- NHL 5
- Quick
- Reversible
- Easy
- Green Building
- Pollution Resistant



Features

INTOCIVILE 0.4 NATURALE is a biocompatible smoothing compound for intonachino plaster finish pre-package powder with 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 use of INTOCIVILE 0.4 NATURAL makes the smoothing coats eco-friendly and reversible, giving high breathability to the substrate on which it is applied, avoiding the formation of dangerous condensation and bacterial proliferation by regulating the environmental moisture and carbon dioxide content of the environments.

Fields of Application

INTOCIVILE 0.4 NATURALE is specific for the realisation of civil plastering or spot faced in the newly constructed, recovering existing structure and restoration sector. It can be applied to different types of vertical and horizontal substrates, internal and external, both existing and new, such as: rustic plaster of any type and nature (lime and/or cement based).

Application

The laying of the smoothing compound for intonachino plaster finish INTOCIVILE 0.4 NATURALE must be preceded by the preparation of the substrate that will be suitably wet. In case the surface is compact or poorly absorbent, the application will have to be preceded by the spreading of TC AGGRAPPANTE adhesive promoter. The surfaces must be clean and free from dusty particles and efflorescence. In the case of uneven or crumbling surfaces, they must be consolidated with TC 35.

INTOCIVILE 0.4 NATURALE can be applied manually or by a screw plastering machine (stator/rotor D6-3 PFT). It should be mixed only with about 6-6.5 l of water per bag depending on the desired consistency. The mixing can be done manually or mechanically. Leaving the mixture to rest for 10 minutes, it will have better product applicability. For excellent results, it is recommended to apply two coats of the intonachino plaster finish. The second smoothing coat must be applied after the drying of the first smoothing coat. If the previously applied INTOCIVILE 0.4 NATURALE layer is already dry, you will proceed with adequate wetting of the substrate before applying the following layer. This operation will allow keeping the new layer workable and will ensure perfect adhesion to the underlying layer.

When the second layer of smoothing compound is dry, the surfaces may be spot faced to obtain a compact effect or smoothed manually or mechanically with a sponge trowel to obtain the intonachino plaster finish effect.

Finishes

The use of a product of the TCS Finishing Line makes up the natural completion of a compatible cycle to the substrate, particularly with regard to the characteristics of breathability and permeability. The use of the TCS Finishing Line products, made of Lime putty CL 90 or Potassium Silicate, is the obligation to fulfil the expectations of aesthetic and performance features at the basis of the TCS product choice.

In the case you want to leave INTOCIVILE 0.4 NATURALE without coloured finish, it is recommended to apply the water-proof protection T110 or T110 PLUS of TCS Protection Line.

Warnings

- Product for professional use.
- Do not modify the product.
- Store the product in a dry place in the original sealed packages.
- Before using the product refer to the Safety Data Sheet.
- The data given correspond to the technical and application knowledge we have for proper use of the product, so it is recommended to carry out a practical test prior to in order to verify the suitability of the product for its intended use and consumption.
- Protect the surfaces from atmospheric phenomena, sun, wind, rain and frost.
- Since our company is not the executor of the works and can not intervene directly on the construction site conditions and on the methods of work execution, the indications given are to be considered as indicative and general, and therefore not binding for the same.
- The Company reserves the right to make the changes at any time without notice when it deems necessary.
- For more information and practical product demonstrations please consult our technical service.
- Always refer to the updated versions of the technical data sheets available at www.tcs-srl.it.

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

GRAIN SIZE CURVE (EN 1015-1) 0 - 0.4 mm

pH OF THE MIXTURE > 12.5

FRESH MORTAR APPARENT DENSITY (EN 1015-6) 1600 kg/m³

DRIED MORTAR APPARENT DENSITY (EN 1015-10) 1400 kg/m³

APPARENT DENSITY IN PILE 1220 kg/m³

COMPRESSIVE STRENGTH (EN 1015-11) category C5

FLEXURAL STRENGTH (EN 1015-11) 0.50 N/mm²

ADHESION (EN 1015-12) 0.3 N/mm² FP-B

WATER VAPOUR PERMEABILITY COEFFICIENT (EN 1015-19) $\mu < 10$

WATER ABSORPTION THROUGH CAPILLARITY (EN 1015-18) W0

INITIAL SETTING TIME AT 20°C 65% U.R. 8 h

FINAL SETTING TIME AT 20°C 65% U.R. 13 h

THERMAL CONDUCTIVITY (EN 12667) $\lambda_{D,0.30}$ 0,30 W/mK Tabulated

FLAME RESISTANCE (EN 13501-1) A1 class

MIXING WATER 6-6.5 l per bag

CONSUMPTION 1,4 kg/m²/mm

PACKAGING 25 kg bag

PALLET 48 bags, 1200 kg

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

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

REACH CLASSIFICATION See SDS