

# INTOCIVILE 0.8 NATURALE

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INTOCIVILE 0.8 NATURALE is a biocompatible, smoothing compound for intonachino plaster finish pre-packaged powder for internal and external use, according to standard UNI EN 998-1. INTOCIVILE 0.8 NATURALE is totally free of concrete and compounds belonging to the clinker group. It is made up of a mixture of pure siliceous calcareous sands, screened with continuous grain size arc from 0 to 0.8 mm. The only binder is the ST -ASTIER Pure Natural Hydraulic Lime NHL 5 by compliant with the UNI EN 459-1 standard. 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
- Chromium-Free
- Restoration
- Breathable
- Resistant
- Cement Free
- Versatile
- Recyclable
- Healthy
- Anti-Condensing
- Anti-Mould
- Nhl 5
- Quick
- Reversible
- Easy
- Green Building
- Pollution Resistant



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## Features

INTOCIVILE 0.8 NATURALE is a biocompatible, smoothing compound for intonachino plaster finish, 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 use of INTOCIVILE 0.8 NATURALE 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, regulating environmental humidity and the carbon dioxide content of the environments

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## Fields of Application

Laying the smoothing compound for intonachino plaster finish INTOCIVILE 0.8 NATURALE must be preceded by the preparation of the substrate that, if necessary, shall be wet. In case the surface is compact or poorly absorbent, the application must be preceded by the TC AGGRAPPANTE adhesive promoter. The surfaces must be cleaned and without dusty particles and efflorescence. In the case of disaggregate or crumbled parts, they must be consolidated with TC 35.

## Application

INTOCIVILE 0.8 NATURALE can be applied manually or by a screw plastering machine (stator/rotor D6-3 PFT). It is mixed with about only 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 better results, it is recommended to apply two coats of the product. The second coat of the smoothing must be applied when the first one is dry. If the layer of INTOCIVILE 0.8 NATURALE applied previously is already dry, proceed by wetting the substrate suitably before applying the following layer. This operation will maintain the new layer workable and ensure perfect adhesion to the underlying layer.

Once the second layer of smoothing compound has dried, the surfaces can be spot faced to obtain a compact effect or floated manually or mechanically with a sponge trowel to obtain intochino plaster finish effect.

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## Finishes

Using a product of the TCS Finishing Line is the natural completion of a cycle compatible with the substrate, in particular with regards to the breathability and permeability characteristics. The use of the TCS Finishing Line products, made of Lime CL 90 or Potassium Silicate, is the mandatory choice to obtain the aesthetic and performance expectations at the base of the TCS product selection. If you want to leave INTOCIVILE 0.8 NATURAL with no coloured finishes, we recommend applying the T110 or T110 PLUS > TCS Protective Line.

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## 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](http://www.tcs-srl.it).

## Technical Data

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

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**GRAIN SIZE CURVE (EN 1015-1)** 0 - 0.8 mm

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**pH OF THE MIXTURE** > 12.5

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**FRESH MORTAR APPARENT DENSITY (EN 1015-6)** 1600 kg/m<sup>3</sup>

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**DRIED MORTAR APPARENT DENSITY (EN 1015-10)** 1380 kg/m<sup>3</sup>

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**APPARENT DENSITY IN PILE** 1300 kg/m<sup>3</sup>

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**COMPRESSIVE STRENGTH (EN 1015-11)** category CSI

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**FLEXURAL STRENGTH (EN 1015-11)** 0.50 N/mm<sup>2</sup>

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**ADHESION (EN 1015-12)** 0.4 N/mm<sup>2</sup> FP-B

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

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**WATER ABSORPTION THROUGH CAPILLARITY (EN 1015-18)** W0

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

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**FINAL SETTING TIME AT 20°C 65% U.R.** 14 h

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**THERMAL CONDUCTIVITY (EN 12667)** lambdaD 0.30 W/mK (valore tabulato)

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**FLAME RESISTANCE (EN 13501-1)** A1 class

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**MIXING WATER** 6-6.5 l per bag

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**CONSUMPTION** 1.4 kg/m<sup>2</sup>/mm

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**PACKAGING** 25 kg bag

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**PALLET** 48 bags, 1200 kg

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

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

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**REACH CLASSIFICATION** See SDS