

# PASTELLONE

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PASTELLONE is a compact satin-effect, smoothing compound for intonachino plaster finish, biocompatible, pre-packaged powder for internal and external use according to the standard UNI EN 998-1. PASTELLONE is totally free of concrete and compounds belonging to the clinker group. It is made up of a mixture of pure silicate calcareous sands, screened with continuous grain size arc from 0 to 0.4 mm. The only 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 silica 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

PASTELLONE is a compact, satin-finish, smoothing compound for intonachino plaster finish, biocompatible pre-packaged powder free of salts, chemical products and VOCs - volatile organic compounds. These features, combined with the total mineral nature of the components, guarantee the purity, non-toxicity, non-harmfulness and the total recyclability nature of the product in full respect of people and the environment. The use of PASTELLONE 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. Particularly used in the production of compact and satin smooth finishes on horizontal or vertical surfaces. Available in natural colour Sesamo o in the eight colours of the Le Spezie line.

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## Fields of Application

PASTELLONE is specific for smoothing coats spot faced or polished in the newly constructed, the restoration of existing structures and restoration sector. It can be applied to different types of vertical and horizontal substrates, both internal and external, both new and existing such as: rustic plaster of any type and nature (lime and/or cement based). In case the finishing PASTELLONE is used as a covering for showers or baths, the surface must be pre-treated with the waterproof smoothing compound IDROCALCE.

## Application

The laying the PASTELLONE, smoothing compound for intonachino plaster finish 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 that promotes the adhesion. The surfaces must be cleaned and without dusty particles and efflorescence. In the case of uneven or crumbled surfaces, they must be consolidated with TC 35.

PASTELLONE must be applied manually, mixed with only 7.5 l maximum of water per bag depending on the desired consistency. Mixing can be done manually or mechanically. Leaving the mix for 10 minutes, it will have better product applicability.

For excellent results, apply two coats of the product is recommended. Verify that the surface treated with the first coat is perfectly flat, compact and free of surface rippling. In case, all irregularities are removed by sanding. The second coat of the smoothing must be applied when the first one is dry. If the layer of PASTELLONE applied previously is already dry, proceed by wetting the substrate suitably before applying the following layer. This operation maintains the new layer workable and ensure perfect adhesion to the underlying layer.

When the second layer of smoothing compound is dry, the surfaces can be spot faced to obtain a compact and satin effect. In case of laying PASTELLONE on the smoothing compound IDROCALCE, the first layer application should be made within 72 hours from the waterproof, smoothing compound laying.

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## Finishes

The surfaces treated with PASTELLONE will have to be properly protected with an application of the paste protection ANTICA CERA 500. If PASTELLONE is used on outdoor surfaces exposed to weather, it is recommended to apply a water-proof protection like TI 10 o TI 10 PLUS of the TCS Protection 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 scopes (GP) internal and external use complying with the standard UNI EN 998-1

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

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**pH OF THE MIXTURE** > 12.5

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**FRESH MORTAR APPARENT DENSITY (EN 1015-6)** 1820 kg/m<sup>3</sup>

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**DRIED MORTAR APPARENT DENSITY (EN 1015-10)** 1400 kg/m<sup>3</sup>

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**APPARENT DENSITY IN PILE** 1220 kg/m<sup>3</sup>

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

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**ADHESION (EN 1015-12)** 0.3 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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**THERMAL CONDUCTIVITY (EN 12667):  $\lambda_{D,30}$  W/(mK)** Tabulated

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

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**MIXING WATER** 7.5 l per bag

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**CONSUMPTION** 1,2 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 package stored in a dry place

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

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**REACH CLASSIFICATION** See SD