

INTOCIVILE 0.0 NATURALE

INTOCIVILE 0.0 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 0.0 NATURALE is totally free of cement and compounds belonging to the clinker group. It is made up of a mixture of pure calcareous-siliceous sands, screened with a fine continuous grain size arc. The only present binder is the SAINT-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 0.0 NATURALE is a biocompatible smoothing compound for intonachino plaster finish pre-packaged powder free of salts, chemicals 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 0.0 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 by regulating the ambient humidity and the carbon dioxide content of the environments. Particularly used in the production of compact smooth plaster finishes with plaster effect.

Fields of Application

INTOCIVILE 0.0 NATURALE is especially for the production of smoothing coats spot-faced or polished, with matt satin-finished 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 0.0 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 adhesive promoter TC AGGRAPPANTE. The surfaces must be clean and free from dusty particles and efflorescence. In the case of broken stone or crumbling surfaces, they must be consolidated with TC 35. INTOCIVILE 0.0 NATURALE must be applied manually, mixed only with 5 l of water per bag according to 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 INTOCIVILE 0.0 NATURALE layer previously applied 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 smoothing compound layer is dry, the surfaces may be sanded or spot faced to obtain a compact effect and eventually sanded

Finishes

The use of the TCS Finishing Line product constitutes 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.

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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 - 0.0 mm

pH OF THE MIXTURE > 12.5

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

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

APPARENT DENSITY IN PILE average 1220 kg/m³

COMPRESSIVE STRENGTH (EN 1015-11) category CS I

FLEXURAL STRENGTH (EN 1015-11) 0.4 N/mm²

ADHESION (EN 1015-12) 0.3 N/mm² FP-B

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

THERMAL CONDUCTIVITY (EN 12667) lambdaD 0,30 W/mK Tabulated

FLAME RESISTANCE (EN 13501-1) A1 class

MIXING WATER 5 l per bag

CONSUMPTION 1,4 kg/m²/mm

PACKAGING 16 k bag

PALLET 72 bags kg 1152

TONALITY NOTE: Potential colour difference between different batches of material are intrinsic of the natural composition of the material. It is recommended to use only one batch of material for each intervention.

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

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

REACH CLASSIFICATION See SDS