



PALLADIO® CALCECOLOR INTONACO

Transpirant bio-based render, tinted in mass, based on micronised calcium hydrate MICROCALCE CL 90-S and natural hydraulic lime NHL 5.



Product description

PALLADIO CALCECOLOR INTONACO is a transpirant bio-based render, tinted in mass, based on MICROCALCE CL 90-S of Fornaci Calce Grigolin, natural hydraulic lime NHL 5, carbonate sands, alluvial slime-free non crashed sands, marble powders, additives and natural coloured earths.

Fields of use

PALLADIO CALCECOLOR INTONACO is a transpirant eco-based render that, thanks to its specific formulation, can be used as rendering coat, plaster and transpirant finishing, having the three layers equal in chemical-physical and chromatic characteristics.

PALLADIO CALCECOLOR INTONACO is a product particularly suitable for restauration and renovation of historical and monumental buildings plasters, and also for plastering new and recently built constructions.

PALLADIO CALCECOLOR INTONACO is a product that can be applied on interior and exterior walls made of brick, stone, cobblestone, travertine.

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Supply and storage

PALLADIO CALCECOLOR INTONACO is supplied in bulk or in 25 kg bags on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact. It is advised to use the product within 12 months from packaging.

IMPORTANT: due to the presence of marble powders and coloured natural earths different chromatic variations may happen between various production lots. Even though the production phases are duly checked, it is advised to order a single production lot supply for the entire work to avoid colour differences.

Surface preparation

Before applying PALLADIO CALCECOLOR INTONACO it is advised to verify the wall support, eliminating eventual dust, inconsistent parts and salt efflorescences. It is also advised to wet the surface before application of the product.

Product preparation and application method

To use PALLADIO CALCECOLOR INTONACO as a rough cast mix one 25 kg bag of dry product with about 5,8 l of water (23%) in cement mixer for 4 min (avoiding a prolonged time of mixing), with an industrial electric mixer (drill) or screw lung machine, to obtain an homogeneous dough of plastic consistency and without clumps.

The application must be done by hand or by machine, covering the whole surface, with a minimum thickness of 8-10 mm. The surface must therefore be properly rough to guarantee the adhesion of the following layer.

To use PALLADIO CALCECOLOR INTONACO as a render/plaster it is necessary to wet the rendering coat previously applied with low pressure water.

Mix 25 kg bag of dry product with about 5,25 l of water (20%), in cement mixer for about 4 min (avoiding prolonged time of mixing), with an industrial electric mixer (drill) for about 5 min or screw lung machine, to obtain an homogenous dough with plastic consistency and without clumps. For this last one, it is advised to use full blades blender with an auxiliary “turbo”, “rotorquill” mixer or similar; it is compulsory the use of a stator type D8/1,5.

The plaster/render will be applied with a minimum thickness of 20 mm in two hands, with 24 hours pause between first and second coat. For higher thickness, apply several coats of maximum 15 mm, waiting that the previous coat has cured.

After few minutes from last coat application, proceed even off with the aluminum level. Once hardened the product can be prepared with the technique of “scratching”, for the following finishing phase.

In order to use PALLADIO CALCECOLOR INTONACO as transpirant finishing it is necessary to wet the cured plaster and wait that the surface water evaporates, but the surface must remain humid. Mix one 25 kg bag of dry product with about 5,25 l of water (21%) in cement mixer for 4 min (avoiding a prolonged time of mixing), with an industrial electric mixer (drill) or screw lung machine, to obtain an homogeneous dough of plastic consistency and without clumps.

The application must be done with metallic spatula in two or more layers, crossing the application direction. Eventual smoothing with the float of the second coat, to be applied when the first coat is perfectly cured, about 24 hours later, must be done in plastic phase.

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Specifications

Application of plaster tinted in mass, like PALLADIO CALCECOLOR INTONACO di Fornaci Calce Grigolin, based on MICROCALCE CL 90-S of Fornaci Calce Grigolin, natural hydraulic lime NHL 5, carbonate sands, alluvial slime-free non crashed sands, marble powders, additives and natural coloured earths.

Warnings

Do not mix PALLADIO CALCECOLOR INTONACO with other substances.

Avoid strong thermal shocks during curing; the product must be protected from frost and fast curing. It is advised to not use CALCECOLOR INTONACO at temperatures lower than +5°C and higher than +30°C.

For any kind of clarification or doubt regarding the use of this product please contact our Technical Dept.

We inform that the data reported in this technical datasheet can be integrated or modified at any time by Fornaci Calce Grigolin Spa. However, since we have no part in the jobsites conditions and on the execution of the works, the datasheet represents a general indication that is not binding in anyway our company. It is therefore advised to make a previous application test to verify the suitability of the product to the intended use.

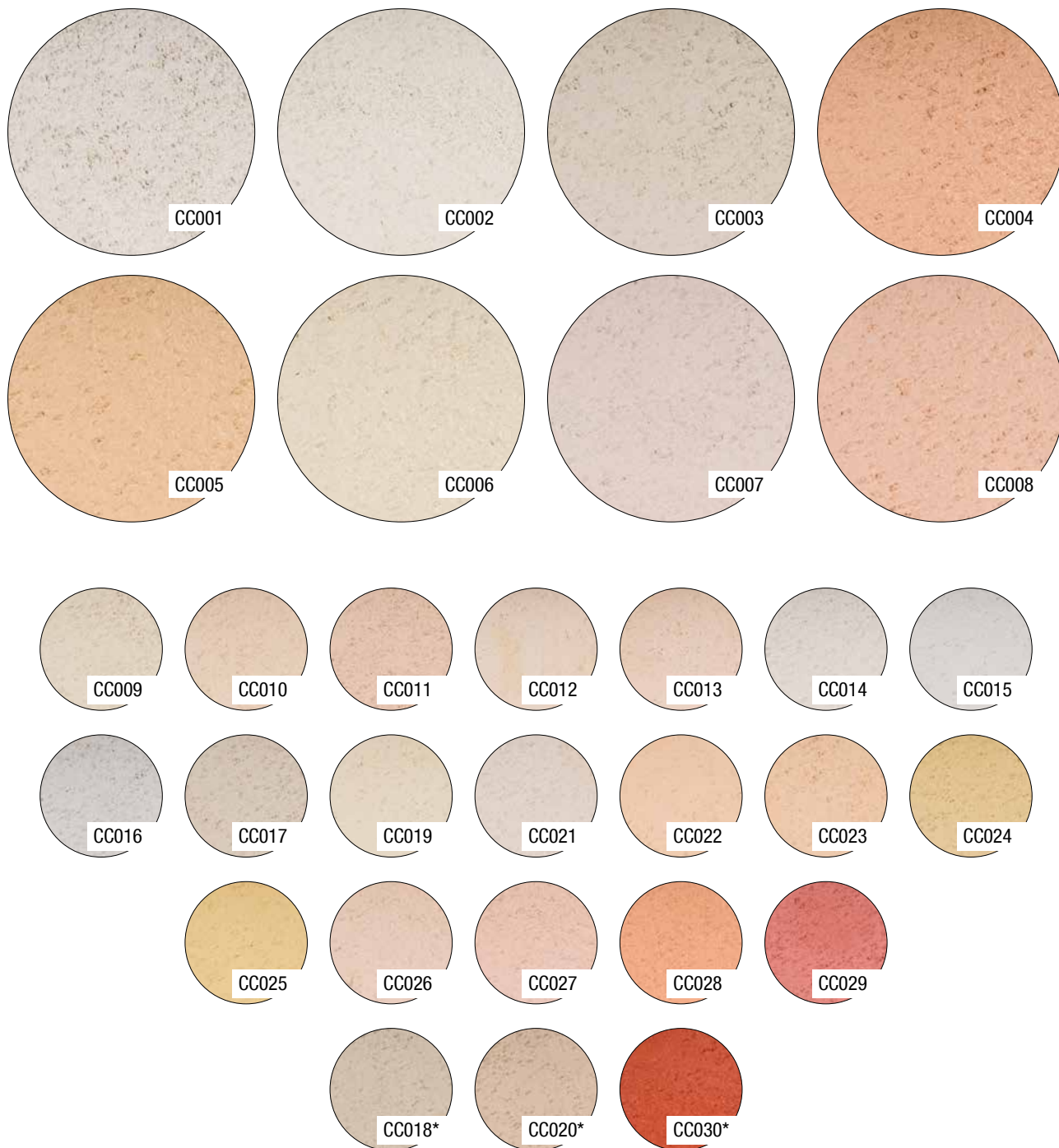
Keep in mind that the exposure to atmospheric agents, rain, high humidity, low environment temperature of the surfaces treated with this product can generate whitening of the finishing during carbonation process. This phenomenon can be irreversible in particularly extreme conditions.

After application of this product, the surfaces in exteriors must be protected by rain and humidity till complete curing of the product that normally (at +20°C) is reached after aprox. 72 hours.

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Color chart

This color chart is indicative, the final shade is determined according to the type of product and support.



The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.

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TECHNICAL DATA	RESULTS
Classification according to EN 998-1	CR-CSII-W1
Specific weight	1350 kg/m ³ deter.in free fall
Maximum diameter	3 mm
Application thickness - rough cast	approx. 2-3 mm per layer
Application thickness - plaster	20 mm in two hands (for bigger thickness max 15 mm per layer)
Water in the mix	approx. 21%
Mechanical resistance to compression at 28 days	approx. 2 N/mm ²
Theoretical consumption	12-13 kg/m ² per 1 cm thickness
Permeability to water vapour μ	7
Reaction to fire	class A1
Adhesion to brick	$\geq 0,2$ N/mm ²
Fracture type	B
Water absorption	W1
Thermal conductivity	0,40 W/mK (tabulated value)

v. 02/2020

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