



INTOCALCE RAS



ECO-FRIENDLY BIO SKIM COAT PLASTER BASED ON NATURAL HYDRAULIC LIME NHL 3,5 FOR INTERIORS AND EXTERIORS
Compliant with UNI EN 998-1

DESCRIPTION

Eco-friendly bio skim coat plaster based on natural hydraulic lime NHL 3,5 compliant with EN 459-1, with an high breathability, adatta for the finish of plasters based on natural hydraulic lime and dehumidifying, on interiors and exteriors of old and new buildings with an high and constant quality level, produced with an automated system, to apply by hand. The features of the natural hydraulic lime NHL ensure an hydraulic hardening very slow and constant that allows to obtain finishes at high breathability and durability. Form no vapor barriers and contains no solvents. Recyclable as inert at the end of life. Specific for the historical conservative restoration, thanks to the natural origin of its components that respect the nature of the original materials of the structures of historical interest.



COMPOSITION

Natural hydraulic lime NHL 3,5 compliant with EN 459-1 obtained by burning marbly limestones at 950°C, selected micronized calcareous aggregates, natural additives tested for the specific use

which give to the product a very high adhesion and workability.

FEATURES

An accurate and selected choice of the main materials made with a perfect grading curve, thanks to the use of our own crush system, produce just adding water a mortar very plastic and easily workable. Used as rasante to apply on every kind of interior and exterior to finish. No cracks, no detachment it's transpiring and impact resistant. It is the perfect base for coatings and breathable water paints to exalt the breathability of INTOCALCE RAS.

USE

INTOCALCE RAS is a premixed transpiring skim coat plaster to apply directly on interiors and exteriors to obtain smooth mirror surfaces . perfect for the smooth finish of plasters based on hydraulic lime type INTOCALCE, deumidifying plasters type INTOCALCE SANA and on every lime/cement plasters, traditional and premixed, old and new, on restoration plasters and conservative historic restoration.

APPLICATION

- Remove from the walls and the ceilings all the crumbling and inconsistent parts; dusts, mud, bitumen, oil stains, etc. To wet, in advance, particularly absorbant or dry or exposed to hot climates walls.
- To mix by hand or with a mixer at low speed, until when the mixture isn't homogeneous.
- To apply with the american big trowel with two or more applications in the same day crossing the direction of application. For just one application is recommended not to exceed the thickness of mm 2. In case of more applications let the substrate rest for one hour at least before applying the following layer.
- The maximum thickness of the finished product doesn't have to exceed mm 4 and must never be lower to mm 1.
- To apply on plasters based on natural hydraulic lime after the substrate has rested for 3/4days at least.
- With high temperatures, wind and low humidity, is recommended to protect from the quick dry moistening the substrates.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply on lime/gypsum substrates.
- Don't apply on not absorbent or painted substrates.
- Don't apply with strong wind or during very sunny days.
- Don't apply until when the substrate isn't completely dried.
- Don't apply with driving rain.
- Don't apply on dehumidifying plasters with a thickness higher than mm 3.
- Don't apply on inconsistent and friable substrates.
- Don't add any other material to the product.
- To apply on reinforced concrete substrates, foamed concrete blocks and old plasters previously treated with the bonding mortar "INTOAGGRAPPO".



- To apply on very smooth reinforced concrete substrates previously treated with the adhesion promoter "ANCOMUR".
- Let the product dry completely before applying the decoration, 20/22 days at least.
- We suggest to apply INTOCALCE RAS with a temperature between + 5 ° C and + 30 ° C.

PACKAGING

Multi-ply paper sacks with protection of kg 20 on wood pallets of 14,00 ql. (70 sacks).

YIELD

1 kg/mq for each mm of thickness.

TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 998-1

Water content of the mix

~50-55%

Grading EN 1015-1

≤ 90 Micron

Specific Weight EN 1015-10

700 kg/m³ ± 5%

PH mixed

12

Plastic shrinkage in cond. Termoigr. Standard

Absent

Workability time EN 1015-9

90 minutes ± 10 minutes

Compressive strength after 28 days EN 1015-11

Category CS I

Water vapor diffusion resistance factor EN 1015-19

$\mu \leq 10$

Water absorption coeff. due to capillary action EN 1015-18

Class "W0"

Reaction to fire EN 998-1

Class "A1"

Thermal conductivity coefficient EN 1745 p.A.12

$\lambda_{10, dry, mat} = 0,18 \text{ W/mK}$

Durability

NPD

Toxicity - Regulation CE 1272/08

Danger

Classification UNI EN 998-1:2010

GP-CSI-W0/DOP nr. 115

SUMMARY

Interior and exterior walls will be finished with a eco-friendly bio-skim coat plaster based on natural hydraulic lime NHL 3,5 or NHL 5 compliant with EN 459-1 type "INTOCALCE RAS" by MALVIN S.r.l., to apply by hand or mechanically and to mix just adding water, with a consumption of 1 kg/mq for mm of thickness, with a compressive strength after 28 days category GP-CSI-W0.

The performance characteristics refer to laboratory tests, values depend on the weather conditions and on the methods of implementations. The operator must verify the suitability of the product depending on the use planned.



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