



INTOCALCE SANA R



ECO-FRIENDLY BIO-RENDERING ANTISALT MADE OF NATURAL HYDRAULIC LIME NHL 3,5 OR NHL 5 AND FIBER REINFORCED TYPE "FR" (BROWNCOAT)
Compliant with UNI EN 998-1

DESCRIPTION

It is a bio eco-friendly plaster with an high and constant quality level, produced with an automated system studied to help the adhesion of dehumidifying plaster based on natural hydraulic lime INTOCALCE SANA. The macroporous structure provides excellent breathability containing salts. To apply on old and newq walls subject to capillary rising damp and in the presence of efflorescence of salts thus optimizing the adhesion with the substrate or to surfaces previously treated with INTOSANA PRIMER. Recyclable as inert at end of life. Specific for the restoration of historical interest, thanks to the natural origin of its components that respect the nature of the original materials of the structures of historical interest. Available fiber reinforced with a special composition of polypropylene fibers type "FR".



COMPOSITION

Natural hydraulic lime NHL 3,5 or NHL 5 compliant with EN 459-1 obtained by burning marly limestone at 950°C, natural lime, selected siliceous and carbonated sands with grading from 0 to 1,3 mm, additives tested for the specific use which give to the product a very high adhesion and workability. For "FR" type polypropylene fibers.



FEATURES

An accurate and selective choice of the main material made with a perfect grading curve, tank to the use of our own crush system, produce just adding water a rendering mortar anti-salt very plastic and easily workable. To apply directly on every kind of surface, no cracks no detachment breathable and impact resistant.

USE

Antisalt rendering for the preparation of interiors and exteriors to restore with a dehumidifying plaster made of natural hydraulic lime INTOCALCE SANA as old masonries in mixed stone, solid brick, natural stone, bricks, to apply by hand or mechanically.

AVIABILITY BINDER:

Natural hydraulic lime NHL 3,5
Natural hydraulic lime NHL 5

APPLICATION

- The surface being plastered must be free of dust and dirt. Any traces of oil, grease, wax etc. must be removed in advance.
- The surface must be wet before the application.
- To mix by hand, in a cement mixer or with a mixer on low speed, until when the mixture isn't homogeneous.
- To apply INTOCALCE SANA up to completely cover the surface.
- The surface obtained should not be smoothed.
- After the application let INTOCALCE SANA R rest for 3 days at least and wash it carefully in the presence of salinity in the surface before the application of plaster INTOCALCE SANA.
- In case of application on INTOSANA PRIMER overlaying must take place as soon as the treated surface has dried but not more than 12 hours and without wetting with water.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply on gypsum substrates or painted substrates, concrete dusty or with traces of form release agents.
- Don't apply with strong wind or in very sunny days.
- Don't apply until when the substrate isn't completely dried.
- Don't apply on inconsistent and friable substrates.



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- Don't apply with driving rain.
- Don't add any other material to the product.
- We suggest to apply INTOCALCE SANA R with a temperature between +5 ° C and + 30 ° C.

PACKAGING

Loose in silos (gravity feed).

Multi-ply paper sacks with protection of kg 25 on wood pallets of 17,50 ql. (70 sacks).

YIELD

10/12 kg/mq as undercoat.

TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 998-1

Water content of the mix	~25-30%
Grading EN 1015-1	≤ 1,3 mm
Specific weight EN 1015-10	1.500 kg/m ³ ± 5%
Pot Life EN 1015-9	120 minutes
Plastic shrinkage in cond. Termoigr. Standard	Absent
Compressive strength after 28 days EN 1015-11	≥ 4 N/mm ² (Category CS III)
Flexural strength after 28 days EN 1015-11	≥ 1,4 N/mm ²
Adhesion on brick	1 N/mm ²
Water vapor diffusion resistance factor EN 1015-19	μ ≤ 8
Water absorption coef. due to capillary action EN 1015-18	≥ 0,3 kg/m ² after 24 h (R)
Reaction to fire EN 998-2	Class "A1"
Sulphate resis. in immers.in Sulphatic environment	Specimens intact after 1 month
Thermal conductivity Coefficient EN 1745 p.A. 12	λ _{10,dry,mat} = 0,47 W/mK
Durability	NPD
Toxicity- Regulation CE 1272/08	dangerous
Classification UNI EN 998-1:2010	R-CSIII/DOP nr. 151

SUMMARY

The walls to restore will be treated with antisalt with bio-rendering eco-friendly antisalt premixed based of natural hydraulic lime NHL 3,5 or NHL 5 compliant with EN 459-1 obtained by cooking marbly limestones at 950°C, type "INTOCALCE SANA R" or fiber reinforced type "FR" by MALVIN S.r.l., to improve the adhesion between damp walls and subject to capillary rising and the next layer of dehumidifying plaster INTOCALCE SANA. Has a strong resistance to the action of salts let rest for 3 days at least before the following application of plaster INTOCALCE SANA to apply by hand or mechanically and to mix just adding water with a consumption of 10/12 Kg/mq, with a compressive strength after 28 days ≥ 4 N/mm² (category CS III).

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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