

INTOCALCE FLEX



UNIVERSAL PREMIXED ECO-FRIENDLY BIO-SKIM COAT PLASTER WITH HIGH ELASTICITY ANTI-CARBONATATING THIXOTROPIC WATER-REPELLENT FIBER REINFORCED AT COMPENSATED SHRINKAGE
Compliant with UNI EN 998-1

DESCRIPTION

Premixed bio-skim coat plaster eco-friendly with high elasticity, anti-carbonatating, thixotropic, water-repellent, fiber-reinforced, at compensated shrinkage based on natural hydraulic lime NHL 3,5, compliant with EN 459-1 for every type of use on every type of suitable substrates, to apply by hand. The natural hydraulic lime NHL ensure an hydraulic hardening very slow and constant that allow to obtain finishes at high durability and breathability. Form no vapor barriers and contains no solvents. Recyclable as inert at the end of life. Specific for the conservative hystorical restoration, thanks to the natural origin of it's components that respect the nature of the original materials of the structures of historical interest. Specific to finish the insulating plastering system (INTOSUGHERO) and sistemi a cappotto.

COMPOSITION

Natural hydraulic lime NHL 3,5 compliant with EN 459-1 obtained by burning marbly limestones at 950°C, selected siliceous aggregates with grading from 0 to 0,6 mm, natural additives tested for the specific use which give to the product a very high adhesion and workability, water-repellent agent, polypropylene fibers.



FEATURES

An accurate and selective 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, thixotropic and easily workable with high elasticity and excellent anti-carbonatating features. For its particular composition is a universal skim coat plaster to apply on all the suitable surfaces that can ensure an adequate adhesion. No cracks, no detachment it's breathable ad impact resistant.

USE

For the internal and external skim coating of old and new buildings obtaining a float or sponged surface. For the internal and external skim coating of concrete surfaces, of rustic, plastic and/or mineral coatings, of traditional or premixed plasters based on lime and cement both old and new even if painted but in excellent conditions, of plasters based on natural hydraulic lime, of plasters with shrinkage cracks, of masonries in concrete-foamed concrete blocks, of cloated cladding in polystyrene panels, (also embossed), polyurethane, cork, wood-concrete.

To uniform surfaces plastered with different mortars.

As adhesive/skim coat plaster of cloated cladding in polystyrene panels (also embossed), polyurethane, cork, wood-concrete. Used as skim coat plaster on insulating coating allow to use as decoration elastomeric water-paint MEHLIT ELS/PLUS or AGROPOLI ELS/PLUS.

Specific to finish the insulating plastering system (INTOSUGHERO).

APPLICATION

- Prepare the walls and the ceilings removing all the crumbling and inconsistent parts; and dusts, mud, bitumen, oil stains, etc.
- To wet, beforehand, particularly absorbent or dry or exposed to hot climate walls.
- To mix by hand or with a mixer at low speed, till when the mixture isn't homogeneous.
- To apply with a metal trowel with two or more coatings in the same day crossing the direction of application. For just one coat is recommended not to exceed the thickness of mm 2. In case of several coatings wait one hour at least between the layers.
- The max. thickness of the finished product as skim coating doesn't have to exceed mm 5.
- Apply on cappotto systems or on INTOSUGHERO (sistema intonaci termoisolanti) putting between the first and the second coat MALVIN NET network port plaster in glass fiber mesh 4x4 mm of min. 150 gr, certified ETAG 004.
- In case of use as finish on cappotto systems apply on reinforced skim coat plaster (between the first and the second coat with in the middle network MALVIN NET certified ETAG 004 gr/mq 150 mesh 4x4 mm) and finish with a sponge float. Once seasoned protect and decorate with MEHLVIT ELS/ELS PLUS or AGROPOLI ELS/ELS PLUS.
- For application on non homogeneous or not perfectly flat substrates insert MALVIN NET a network port plaster in glass fiber mesh 4x4 mm, of min 150 gr, certified ETAG 004, between the first and the second coat.
- With high temperatures, wind and low humidity, is recommended to protect from the quick dry moistening the substrates.
- In case of very difficult substrates is recommended to prepare beforehand with the bonding mortar "INTOAGGRAPPO".
- In case of very smooth substrates, is recommended to apply beforehand the adhesion promoter "ANCOMUR".
- Apply INTOCALCE FLEX within 2/4 hours, depending on the temperature, on the application of the bonding mortar "INTOAGGRAPPO" or 24/48 hours from the application of the adhesion promoter "ANCOMUR".

INTOCALCE FLEX



- To improve the adhesion and the elasticity to the substrate mix with "INTOELASTIC" diluted 1:5 with clean water.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply on lime/gypsum substrates.
- Don't apply until when the substrate isn't completely dried.
- Don't apply on inconsistent and friable substrates.
- Don't apply with strong wind or in very sunny days.
- Don't apply with driving rain.
- INTOCALCE FLEX should only be used in its original state, without the addition of other materials.
- We suggest to apply INTOCALCE FLEX with a temperature between + 5 ° C and + 30 ° C.
- For the application on plastic coatings verify the perfect adhesion otherwise remove with flame or with a paint stripper.
- After the application moisten and smooth with a trowel or finish with a sponge float.
- Before painting let INTOCALCE FLEX ripen for 7/8 days at least.

PACKAGING

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

YIELD

AS ADHESIVE

Sticking per points 2/3 kg/mq;
Sticking at full surface 4/5 kg/mq.

AS SKIM COAT PLASTER

3/4 kg/mq for 2 coats.

TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 998-1

Water content of the mix

Grading EN 1015-1

Specific weight EN 1015-10

Workability time EN 1015-9

Plastic shrinkage

Compressive strength after 28 days EN 1015-11

Flexibility

Adhesion on concrete after 28 days EN 1015-12

Water vapor diff. resistance factor EN 1015-19

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

Reaction to fire EN 998-1

Thermal conductivity coefficient EN 1745 p.A.12

Durability

Toxicity - Regulation CE 1272/08

Classification UNI EN 998-1:2010

~25-30%

≤ 0,6 mm

1.200 kg/m³ ± 5%

60 minutes

Absent

≥ 6 N/mm² (CS IV)

Excellent

1,5 N/mm² FP:B

μ < 10

Class "W1"

Class "A1"

λ_{10,dry,mat} = 0,35 W/mK

NPD

Danger

GP-CSIV-W1/DOP nr. 95

CERTIFICATIONS

Tested in accordance to ETAG 004

SUMMARY

Internal and external walls will be finished with an eco-friendly premixed bio-skim coat plaster with high elasticity, anti-carbonatating, thixotropic, water-repellent, fibre-reinforced, at compensated shrinkage based on special hydraulic binders, water repellent agents, polypropylene fibers, suitable for universal use on every type of suitable substrate, type "INTOCALCE FLEX" by MALVIN S.r.l., applied by hand and to mix just adding water, with a consumption of 1,5/1,6 kg/mq per mm of thickness, with a compressive strength after 28 days category CS IV and water absorption coefficient due to capillary action Class "W1".

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.



MALVIN



SEDE LEGALE E STABILIMENTO • Zona ASI - SS 7 Bis Km 15,400 - 81030 Gricignano di Aversa (CE)

TEL. + 39 081 8132780 - 5029713



FAX + 39 081 5029748 • commerciale@malvinsrl.com • www.malvinsrl.com