

INTOBIO SUGHERO



ECO-FRIENDLY FIBRATED WATER REPELLENT BIO BASE COAT PLASTER BASED ON NATURAL LIME AND BIO-POZZOLANA FOR THERMAL SOUND-ABSORBING AND DEHUMIDIFYING PLASTERS
Compliant with UNI EN 998-1

DESCRIPTION

Eco-friendly bio-plaster, fiber reinforced with a special composition of fibers tested for the specific use water-repellent, based on natural raw materials as cork granules, natural lime and bio-pozzolana for thermal, soundproofing and dehumidifying base coat plasters and/or thermal protection on beams and pillars in reinforced concrete, inside and outside with an high and constant quality level, produced with an automated system, to apply with a plaster sprayer or by hand. The natural lime and bio-pozzolana ensures an hydraulic hardening very slow and constant that allows to obtain plasters with an high durability and breathability. Form no vapor barriers and contains no solvents.

composition

Cork granules produced with a system powered by renewable sources (CO2 zero), natural lime and bio-pozzolana, light mineral inerts, natural additives tested for the specific use which give to the product a very high adhesion and workability; fibers. The naturalness of its components combined with a very high breathability give to the screed antibacterial and antimold property, and allow its recycle as inert at the end of life.



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 and easily workable. Used as insulating screed can be applied directly on every kind of interior and exterior but stable and not subjected to rising damp. No cracks, no detachment it's breathable and impact resistant. It is the ideal base for every type of superficial coating naturally breathing (see finish). Fibers give to the hardened mortar more ductility and resistance to the aggressive agents and to the thermal excursions, improve the distribution of the stresses and reduce micro cracks produced by external stresses thanks to the formation of a structural internal grid, give more resistance to the vibrations so it is perfect for masonry buildings under stresses.

USE

INTOBIO SUGHERO is a breathable eco-friendly bio base coat plaster ideal for the thermal and acoustic insulation and for dehumidification, to apply directly on every type of interior and exterior of old and new buildings as brick, core-concrete old masonries, concrete, reinforced concrete, floors in reinforced brick, etc., through mechanical application or by hand.

APPLICATION

- Prepare the surfaces removing all the crumbling and inconsistent parts; as dusts, mud, bitumen, oil stains, etc.
- It's necessary to wet, in advance and abundantly the walls. During summer, with high temperatures, beating sun and strong wind, wet the plaster once is hardened and also twice a day after 2 days after the application.
- To mix by hand, in a cement mixer or with a mixer at low speed, till when the mixture isn't homogeneous; with a plaster sprayer regulating the flow-meter till when the density isn't perfect.
- Leave immersed the head gun in water everytime you interrupt the application to avoid the formation of the cap.
- Guides must be done with INTOBIO SUGHERO or with wood straightedges to obtain the thickness required, in this case remove the straightedges and fill the emptiness with "INTOBIO SUGHERO".



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- INTOBIO SUGHERO must be applied by hand or mechanically; can be applied at different thicknesses, is recommended for just one coat not to exceed 2,5÷3 cm. In case of more coatings wait for two hours at least before applying the following coat.
- Within 2-4 hours from the application, the plaster must be wet and worked with a sponge float to compact the plaster, avoiding on this way the quick evaporation, ensuring on this way a better hydration of lime.
- The minimum thickness of the finished product doesn't have to be lower to cm 3.
- For applications higher to 6 cm, is recommended to realize a plaster in two or more coatings with inside network in glass fiber mesh 10x10mm of 130gr/mq.
- With high temperatures, wind and low humidity, is recommended to protect from the quick dry moistening the substrates.
- In correspondence of bodies and/or different structures it's necessary to apply directly stripes of network port plaster of adequate dimension (30-35cm), drowned on the plaster.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply on gypsum surfaces, synthetic coatings, paintings.
- 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.
- Don't apply with driving rain.
- Don't add any other materials to the product.
- Apply on reinforced concrete surfaces previously treated with "INTOAGGRAPPO" diluted 1:2 with water.
- Apply on very smooth reinforced concrete surfaces previously treated with the adhesion promoter "ANCOMUR".
- Apply on surfaces in tuff, stones, mixed masonries, previously treated with eco-friendly undercoat "INTOBIO R" aged for 3/4 days at least.
- On foamed concrete blocks prepare with primer "INTOAGGRAPPO" diluted 1:2 with water.
- We suggest to apply INTOBIO SUGHERO with a temperature between + 5 ° C and + 30 ° C.
- Waiting time to apply the finish 15 days at least.

FINISHES

Use as finish INTOBIO FLEX in a thickness never lower to 3/4 mm, inserting between the first and the second coat MALVIN NET network port plaster in glass fiber mesh 4x4 mm, of minimum 150 gr, certified ETAG004.

Use for the decoration coatings or water-paints by the ACRYL-SILOXANE LINE - SILOXANE LINE - SILICATES LINE -ELASTOMERIC LINE BASED ON SILOXANES.

YIELD

1 sack for 1 mq thickness cm 4.

PACKAGING

Multi-ply paper sacks with protective film of 50 lt on wood pallets of 55 sacks.





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TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 998-1

Water content of the mix	~65-70%
Grading EN 1015-1	≤ 3 mm
Specific weight EN 1015-10	365 kg/m ³ ± 5%
Workability time EN 1015-9	1 hour
Soundproofing between 600 and 1500 Hz	higher than 70%
Plastic shrinkage in cond. Termoigr. Standard	Absent
Compressive strength after 28 days EN 1015-11	2,5 N/mm ² (category CS I)
Adhesion after 28 days on brick EN 1015-12	0,2 N/mm ² FP:A
Water vapor diff. resistance factor EN 1015-19	μ ≤ 5
Water abs. due to capillary action EN 1015-18	Class "W1"
Fire reaction EN 998-1	Class "A1"
Thermal conductivity EN 1745 p.A.12	λ _{10,dry,mat} = 0,045 W/mK
Specific heat EN 1745	1,00 kJ/kg K
Durability	NPD
Toxicity - Regulation CE 1272/08	Danger
Classification UNI EN 998-1:2010	T1-CSI-W1/DOP nr. 211

SUMMARY

Internal and external walls will be plastered with eco-friendly bio-plaster, fiber reinforced with a special composition of fibers tested for the specific use, water-resistant, thermal, sound-absorbing and dehumidifying, with a high breathability based on cork granules, natural lime and bio-pozzolana, natural additives tested for the specific use type "INTOBIO SUGHERO" by MALVIN S.r.l., applied by hand or mechanically and to mix just adding water, with a consumption of 1 sack for 1 mq thickness cm 4, with a compressive strength after 28 days category CS I and thermal conductivity EN 1745 p.A.12 λ_{10,dry,mat} = 0,045 W/mK.

MALVIN

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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