



INTOMASSO SUGHERO



ECO-FRIENDLY CERTIFIED BIO MORTAR FIBRATED BASED ON CORK AND NATURAL HYDRAULIC LIME NHL 3,5 FOR SOUNDPROOFING AND DEHUMIDIFYING THERMAL SCREEDS
Compliant with UNI EN 998-1

DESCRIPTION

It is an eco-friendly bio-mortar, fibrated with a special composition of fibres tested for the specific use, based on natural materials as cork granules and natural hydraulic lime compliant with EN 459-1 for insulating base coat screeds, soundproofing and dehumidifying, inside and outside with an high and constant quality level, produced with an automated system, to apply with a plaster sprayer, screed pump or by hand. The natural hydraulic lime ensures an hydraulic hardening very slow and constant that allows to obtain screeds with an high durability and breathability. Form no vapor barriers and contains no solvents. Recyclable as inter at the end of its life.



COMPOSITION

Cork granules produced with a system powered by renewable sources (CO2 zero), natural hydraulic lime NHL 3,5 compliant with EN 459-1 obtained by burning marbly limestones at 950°C, light mineral aggregates, 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 perfect base for every kind of floor. The composition of INTOMASSO SUGHERO, with a low specific weight and with an alveolar structure, allow an high thermal and insulating coefficient, absorbing and dissipating the sound waves. 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.

USE

INTOMASSO SUGHERO is a premixed mortar lightened with cork granules at compensated shrinkage and controlled dry ideal for the realization by hand or mechanical of insulating base coat screeds, with an high breathability to apply directly on every kind of interior and exterior, of old and new buildings, but stable and not subjected to rising damp, perfect to receive the following application of every floor as: ceramic, terracotta, natural stones, parquets, fitted carpets, rubber, etc. Particularly indicated for the thermal and the acoustic insulations of attics, slabs, flat and inclined roofs, terraces also for the formation of gradients, for lightweight fill and drowning of the plants on the floor, etc..





APPLICATION

- Verify that the substrate is resistant.
- Remove from the substrates all the crumbling and inconsistent parts; and dusts, mud, bitumen, oil stains, etc.
- Before the application wet the substrate, especially with strong wind and direct radiation.
- Take care to prepare the substrate removing cracks and if necessary perform insulations and impermeabilizations.
- Make the joints with special joints heavily galvanized or traditional guide made with the same INTOMASSO SUGHERO.
- Prop with specific h-shaped level staff.
- To apply with a thickness minimum of cm 3 and max cm 10.
- For thicknesses lower to cm 4 is recommended to put on the screed MALVIN NET 4.4 network in glass fiber certified ETAG 004 mesh 4x4 cm, with weight of 130 gr/mq, taking care to keep it raised from the substrate so as to be inserted in the first / third of the screed.
- To mix in a cement mixer or with a pressure pump or by hand, with water, until when the mixture isn't homogeneous; with a continuous mixer or with a plaster sprayer regulating the flow-meter until when the density isn't perfect.
- During winter mix with warm water to obtain a quicker setting.
- The mixture has to have the consistence of a creamy mortar.
- For the laying of INTOMASSO SUGHERO as unic screed, is recommended to apply along the perimeter walls a tape of soft material with a thickness between cm 0,7 and 1 and tall at least as the screed to realize. Use self-levelling INTOMASSO AL or a grout of glue and cement to make the surface suitable to the direct laying of the floor through application of specific consolidating "INTODUR". Arrange splits of the screed in correspondence of thresholds, doors or protrusions and in every case limiting the surface realizable for every single jet for a maximum of 40 mq.
- For the use of INTOMASSO SUGHERO as underscreed before the plastering, is recommended to protect the surface with self-leveling INTOMASSO AL or a grout of glue and cement through application of specific consolidating "INTODUR".
- With ducts, pipes and big dips insert on the screed MALVIN NET 4.4 network in glass fiber certified ETAG 004 mesh 4x4 cm, with a weight of 130 gr/mq.
- With high temperatures, wind and low humidity, is recommended to protect from the quick drying moistening the substrates.
- Protect the screed from wind, and sun for 48 hours at least.
- Protect the screed from rain for 3/4 days at least.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- 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 e friable substrates.
- Don't apply with driving rain.
- Don't apply on old floors.
- Don't add any other material to the product.
- We suggest to apply INTOMASSO SUGHERO with a temperature between + 8 ° C and + 30 ° C.
- Finish the screed with a sponge float.
- To use self-leveling INTOMASSO AL if you want to obtain a screed with a perfectly smooth surface.
- Waiting time for laying of self-leveling INTOMASSO AL 15 days at least.
- Before the laying of the flooring treat the substrate with the specific consolidating "INTODUR"
- Lay the floors after be sure that the humidity of the screed is lower to 2% in every case never before 4 weeks for screeds with thicknesses of 4 cm.
- Is recommended to use adhesives with a good elasticity to lay of ceramic floors.
- During summer can be walked on 24/48 hours, during winter on 3 / 4 days.





INTOMASSO SUGHERO

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.

TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 998-1

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|---|-------------------------------------|
| 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 N/mm ² (category CS I) |
| Adhesion on brick EN 1015-12 | 0,2 N/mm ² |
| Water vapor diffusion resistance factor EN 1015-19 | μ ≤ 5 |
| Water absorption coeff. due to capillary action EN 1015-18 | Class "W0" |
| Fire reaction EN 998-1 | Class "A1" |
| Certified thermal conductivity coefficient ** | λ = 0,068 W/mK |
| Specific heat EN 1745 | 1,00 kj/kg K |
| Durability | NPD |
| Mitigation of the level of impact noise (ΔL_{nw}): | dB 12,5 |
| Toxicity - Regulation CE 1272/08 | Danger |
| Classification UNI EN 998-1:2010 | T1-CSI-W1/DOP nr. 141 |

CERTIFICATION:

**Certificate Institute LAPI s.p.a. n° 366.2 DC 0050/12

SUMMARY

Insulating and soundproofing base coat screeds for interiors and exteriors of attics, slabs, flat and inclined coverings, terraces, also for the formation of slopes, to fill and drown the implants on attics, etc., will be realized with an eco-friendly bio-mortar fibrated with a special composition of polypropylene fibers, heat-insulating, soundproofing and dehumidifying, with an high breathability, based on cork granules and natural hydraulic lime NHL 3,5 compliant with EN 459-1 obtained by burning marbly limestones at 950°C, natural additives tested for the specific use type "INTOMASSO 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.

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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