

INTOMASSO BE 3 PLUS



BASE COAT SCREEDS FOR FLOORS AT QUICK DRY AND INCREASED SLIDING Compliant with EN 13813-2002

DESCRIPTION

INTOMASSO BE 3 PLUS is a premixed mortar at compensated shrinkage with a quick dry and increased sliding and an high and constant quality level, produced with an automated system, for the realization inside and outside of base coat screeds.

COMPOSITION

Hydraulic binders, selected calcareous aggregates in curve with grading from 0 to 3 mm, fluidifying additives, additives tested for the specific use which give to the product a very high adhesion and workability.

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 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 to receive every type of floor.



USE

INTOMASSO BE 3 PLUS is a premixed mortar at compensated shrinkage with quick and controlled dry ideal for the realization by hand or mechanically of base coat screeds to apply directly on every kind of interior and exterior but stable and not subjected to rising damp, perfect to receive the following application of every kind of floor as ceramics after 24 hours, natural stones after 48 hours, parquets and resilient floors after 4 days; to realize screeds with under-floor heating system, specific to realize screeds with the insertion of heating floor thanks the addition of additives that make easier the sliding between the tubes and the floating screeds on resilient mat for the acoustic insulation of the footfall noises.

SUBSTRATES

Bonded screed

Verify that the substrate is resistant and has a u.r. < 2%.

Prepare the substrates removing all the crumbling and inconsistent parts; and dusts, mud, bitumen, oil stains, etc.

Apply along the perimetral walls a tape of compressible material with a thickness between mm 4 and 8.

Apply the bonding slurry, made of 1 part in volume of latex INTOGUM, 1 part of water and 2 parts of cement. Apply the grout with a brush or a broom. Lay the screed INTOMASSO BE 3 PLUS with the "fresh on fresh" technique.

For thicknesses between 2 and 3cm mix INTOMASSO BE 3 PLUS with water and latex INTOGUM in ratio 1 to 4.

Floating screed

Verify that the substrate is resistant and has a u.r. < 2%.

Apply along the perimetral walls a tape of compressible material with thickness between mm 4 and 8.

Spread waterproof sheets (in polyethylene, PVC etc) for the entire surface taking care to overlap the sheets on the joints for 25 cm at least and on the walls overlapping for 2 cm at least the compressible material.

NESS OF APPLICATION

Bonded screed	cm 3
Floating screed	cm 4
Screed on heating floor	cm 3 above the embossing
Floating screed on insulating sheets >6mm	cm 5



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APPLICATION

- Take particular care to prepare the substrates removing cracks and if necessary insulate and waterproof.
- For flooring in contact with the ground the surface where the screed is laid must be applied with a waterproof underlay.
- To mix in a cement mixer or with a manual or pressure pump; with a mixer regulating the flow-meter until when the density isn't perfect.
- The mixture must have the texture of moist soil.
- Screed and compact to obtain the desired level.
- In case of application on insulating panels is recommended to 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, taking care to keep it raised from the ground such as to result insert on the first/third of the screed.
- Arrange splits of the screed in correspondence of thresholds, doors or protrusions and every time the ratio length/width of the rooms exceed the value of 3 and also with irregular surfaces.
- Can be realized without the use of network or joints, panels with regular form not exceeding 100 mq.
- In case of application on soundproofing mats exceeding 6 mm the minimum thickness to realize doesn't have to be lower to cm 5.
- During casting always insert MALVIN NET 4.4 network in glass fiber certified ETAG 004 mesh 4x4 cm, with a weight of 130 gr/mq.
- In presence of piping, ducts and big dips always insert on the screed MALVIN NET 4.4 network in glass fiber certified ETAG 004 mesh 4x4 cm, with weight of 130 gr/mq.
- For underfloor heating systems is recommended to insert 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 fasten it suitably to the insulating panels and interrupting it at the height of the dilatation joints in correspondence of doors and protrusions and however so that the area of every single cast do not exceed 40 mq.
- With high temperatures, wind and low temperatures, is recommended to protect from the quick dry moistening the substrates.
- Protect the screed for 48 hours at least from wind, sun and rain.
- 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 hasn't completely dried.
- Don't apply on inconsistent and friable substrates.
- Don't apply with driving rain.
- Don't add any other material to the product.
- We suggest to apply INTOMASSO BE 3 PLUS with a temperature between + 5 ° C and + 30 ° C.
- Finish the screed with a sponge float or with a spinning disk machine.
- Use leveling or self-leveling "INTOMASSO AL" if you want to obtain a screed with a perfectly smooth surface.
- Lay the screed after be sure that the humidity of the screed is lower to 2%.
- Is recommended to use an adhesive with a good elasticity for the laying of the ceramic floors.
- Can be walked on 12 hours.
- Dry after 4 days for the laying of parquet, resilient floors as linoleum, rubber, pvc, etc.
- Suitable to receive ceramic after 24 hours and natural stones after 48 hours.
- For screeds with heating floor systems, before laying the floor, slowly and gradually bring the plant to the maximum temperature and then let cool to room temperature.te.





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YIELD

20 kg/mq per cm of thickness depending on the grade of compaction.

PACKAGING

Loose in silo (gravity feed).

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

TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 13813-2002

Water content of the mix

8,5 % (Up to a consistence of damp earth)

Grading EN 1015-1

≤ 3 mm

Specific Weight ± 10% EN 1015-10

2.000 kg/m³

Pot Life EN 1015-9

60 minutes

Compressive strength after 28 days EN 13892-2

20 N/mm² (C20)

Flexural strength after 28 days EN 13892-2

5 N/mm² (F5)

Residue humidity after 28 days

1,7%

Reaction to fire EN 13501-1

Class "A1fl"

Thermal conductivity coeff. EN 13813 p.to.5.3.7

λ=1,83 W/mK

Durability

NPD

Mitigation of the level of impact noise (ΔL_{nw}):

dB 15

Toxicity - Regulation CE 1272/08

Danger

Classification UNI EN 13813:2002

CT-C20- F5/DOP nr. 133

SUMMARY

Internal and external base coat screeds, screeds on heating floors, floating screeds on resilient mat for the acoustic insulation of the footfall noises will be realized with a mortar for premixed screed at compensated shrinkage, sliding for screed at compensated shrinkage, quick and controlled drying based on hydraulic binders and fluidifying additives type "INTOMASSO BE 3 PLUS" by MALVIN S.r.l., applied by hand or mechanically and to mix just adding water, with a consumption of 20 kg/mq per cm of thickness and with classification EN 13813-2002 - CT-C20-F5 and thermal conductivity coefficient EN 13813 p.to.5.3.7 λ=1,83W/mK.

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



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