

# INTOMASSO EASY



**SELF-LEVELLING SOUNDPROOFING FIBER REINFORCED SCREED FOR FLOORS**  
**Compliant with UNI EN 13813-2002**

## DESCRIPTION

Premixed self-levelling screed soundproofing fiber reinforced at compensated shrinkage with an high and constant quality level, produced with an automated system, for the realization of self-levelling base coat screeds inside and outside.

## COMPOSITION

Special hydraulic binders, calcareous selected aggregates in curve with grading from 0 to 3 mm, special polymeric extruded aggregates, natural additives tested for the specific use which gives to the product a very high adhesion, workability and self-levelling characteristics.

## 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 fluid and easily workable. Used as screed can be applied directly on every type 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. The addition of special extruded polymer aggregates gives excellent acoustic performance with a lower impact noise of about  $DL_w=13$  dB; also reduce crazings allowing to lay the screed avoiding the closure of the openings (doors and windows) and the interposition of the polyethylene sheet on the floor.

## USE

INTOMASSO EASY is a premixed sound-proofing self-levelling screed, fiber reinforced, at compensated shrinkage and controlled dry perfect for the realization by hand or mechanical of self-levelling base coat screeds and mixing with water at the right texture also of screeds of the slopes, to apply directly on every type of interior and exterior but stable and not subjected to rising damp, suitable to receive the following application of every type of floor as ceramics, cotto tiles, natural stones, parquets, carpets, rubber, etc.; suitable to realize screeds with heating underfloor and floating screeds on resilient mat for the acoustic insulation of foot noise.

## 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 perimeter walls a strip of compressible material with a thickness between mm 6 and 10.

### Floating screed

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

Apply along the perimeter walls a strip of compressible material with a thickness between mm 6 and 10.

Spread waterproof sheets (in polyethylene, PVC etc.) for the entire surface taking care to cross the sheets on the joints for 25 cm at least and on the walls overlapping for 2 cm at least the tape of compressible material or the sheets of material resilient mat for the acoustic insulation.



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## MINIMUM THICKNESS OF APPLICATION

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

## APPLICATION

- Take care to prepare the substrate removing cracks and if necessary insulate and waterproof.
- For flooring at 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 kneading spraying machine; with a mixer regulating the flow-meter until when the density isn't perfect.
- The mixture must have a liquid fluid texture when used as a self-levelling and plastic when used as screed for the slopes.
- Place the reference levels for the casting.
- In case of application on insulating panels is recommended to insert on the screed a suitable background network type 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 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 40 mq.
- In presence of piping, ducts and big dips insert on the screed MALVIN NET 4.4 network in glass fiber certified ETAG 004 mesh 4x4 cm, with weight of 130 gr/mq
- During casting always insert MALVIN NET 4.4 network glass fiber certified ETAG 004 mesh 4x4 cm, with weight of 130 gr/mq.
- Distribute the screed starting from the point of greatest thickness and level with a leveling bar.
- The minimum thickness of the finished product doesn't have to be lower to cm 4.
- For applications on heating floors the minimum thickness of the finished product beyond the embossing doesn't have to be lower to cm 3.
- Max. thickness 12 cm.
- With high temperatures, wind and low humidity, is recommended to protect from the quick dry moistening the substrates.
- Protect the screed from wind, sun and rain for 48 hours 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 and friable substrates.
- Don't apply with driving rain.
- Don't add any other material to the product.
- We suggest to apply INTOMASSO EASY with a temperature between + 5 ° C and + 28 ° C.
- 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 for the laying of the ceramic floor.
- Can be walked on 24 hours.
- For screeds with under-floor heating systems, before the laying of the floor, slowly and gradually bring the plant to the maximum temperature and then let cool to room temperature. o raffreddare fino a temperatura ambiente.





# INTOMASSO EASY

## YIELD

18 kg/mq per cm of thickness.

## 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

<b>Water content of the mix</b>	~17/18%
<b>Grading EN 1015-1</b>	≤ 3 mm
<b>Specific weight EN 1015-10</b>	1.700 kg/m <sup>3</sup> ± 5%
<b>Workability time EN 1015-9</b>	40 minutes
<b>Compressive strength after 28 days EN 13892-2</b>	≥25 N/mm <sup>2</sup> (C25)
<b>Flexural strength after 28 days EN 13892-2</b>	5 N/mm <sup>2</sup> (F5)
<b>Thermal conductivity coeff. EN 13813 p.to.5.3.7</b>	λ=1,83 W/mK
<b>Residue humidity after 28 days</b>	1,7%
<b>Fire reaction EN 13813</b>	Class "A1fl"
<b>Durability</b>	NPD
<b>Mitigation of the level of impact noise (ΔL<sub>nw</sub>):</b>	dB 15
<b>Toxicity - Regulation CE 1272/08</b>	Danger
<b>Classification UNI EN 13813:2002</b>	CT-C25- F5/DOP nr. 135

## SUMMARY

Internal and external base coat screed, screeds on heating floors, floating screeds on resilient mats for the acoustic insulation of the footfall noises, will be realized with a premixed self-leveling and sound-proofing screed at compensated shrinkage and controlled dry based on special hydraulic binders and special polymeric extruded aggregates type "INTOMASSO EASY" by MALVIN S.r.l., applied by hand or mechanically and to mix just adding water, with a consumption of 18 kg/mq for each cm of thickness and classification UNI EN 13813-2002 - CT-C25-F5 and thermal conductivity coefficient EN 13813 p.to.5.3.7 λ=1,83 W/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

