

LEVELLING BASE

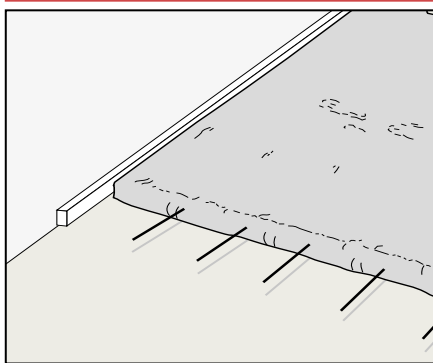
LEVELLING FLOORS TO THE CORRECT THICKNESS

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS
	ECO GREEN	MIX MECHANICALLY	APPLY MECHANICALLY USING A SPRAY PUMP
			STORAGE: IN A DRY PLACE
	RECYCLABLE		

PROBLEM

LEVELLING FLOORS TO THE CORRECT THICKNESS



SOLUTION

LEVELLING BASE is a self-levelling pre-mixed screed based on special binders, sand in the granulometric curve up to 3 mm and special additives.

APPLICATION FIELDS

LEVELLING BASE is suitable for preparing bases for laying ceramic, floors, carpets, parquet, linoleum and resilient floors.

It can be applied on light concrete substrate, expansive cement and cement screeds in general.

LEVELLING BASE is particularly suitable for use on floor heating systems.



ADVANTAGES

- Easy to apply.
- Excellent surface finishing.
- Fast to apply.

METHOD OF USE

• SUBSTRATE PREPARATION

To separate the surfaces to be covered with **LEVELLING BASE**, lay an insulating PE sheet onto the slab which also acts as a barrier against any rising damp. The sheets must overlap by at least 20 cm and be sealed with tape. The waterproofing sheet must also be installed along the perimeter walls of the rooms, with compressible material in between, such as FONOCCELL ROLL, so as to create perimeter joints. For an optimal result it is recommended to cut the screed at the doorways, inserting fractioning joints during application.

• MIX PREPARATION

Mix **LEVELLING BASE** with 15% clean water until you have a paste of the desired consistency using normal site equipment (cement mixer, screw mixers, automatic pressure pumps).

• APPLICATION

LEVELLING BASE can be applied using standard plaster spray pumps (1) in minimum thicknesses of 3 cm. Use a bar to help compact and level the product (2).

For **heated floors**, the heating should not be started until the screed has dried (14 days for 3 cm screeds; over 3 cm thickness, 7 days for every extra cm of screed). Start the system at a supply temperature comprised between +20°C and +25°C; leave for at least 3 days then set the maximum design temperature and leave for at least 4 days.

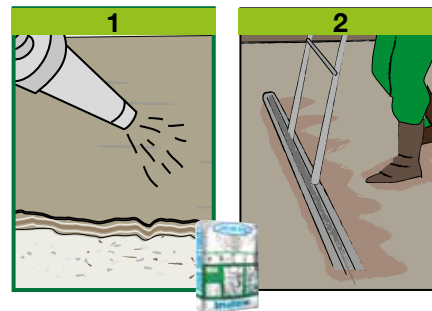
Let the screed cool to room temperature again (EN 1264-4 point 4.4). It is always recommended to insert a galvanized metal mesh reinforcement with narrow mesh size (2/3 cm) in the area where the pipes run, where the screed thickness may be lower (minimum 3 cm, in accordance with UNI 11493).

• COVERAGE

19 kg/m²×cm.

• PRECAUTIONS

- Gypsum and anhydrite substrates must always be pre-treated with ISOLFIX G primer.
- Do not use on ceramic, metal, wood or vinyl products.
- Do not apply the product at temperatures below +5°C.
- Do not use on icy surfaces.
- Do not apply less than 3 cm thick (or more than 6 cm).
- Do not use on industrial floors.
- Do not add thinning agents for application on floor heating systems as they are already contained in the product formulation.
- Do not add other substances to the mix.
- Do not use the product as a finishing coat.
- Wash equipment with water before the product has hardened.
- In the case of rising damp waterproof before casting.
- Install a vapour barrier even on new floor



slabs to avoid problems with residual humidity.

- Humidity testers that measure electrical conductivity give unreliable results; we recommend using a more precise carbon hygrometer.
- Do not expose the material to the sun in hot weather.
- Store in original closed packaging in a dry place. Protect against frost or high temperatures.

TECHNICAL CHARACTERISTICS

	Standard	LEVELLING BASE
Appearance		Powder
Colour		Grey
Apparent volume mass	EN 1015-6	1.70 ± 0.10 kg/L
Water mix ratio		15% ± 1%
Storage in original packaging in a dry place		12 months
Caratteristiche dell'impasto e di lavorabilità	Standard	
Volume mass of the mix		1.80 ± 0.10 kg/L
Maximum application thickness over systems	UNI 11493	≥3 cm
Maximum application thickness for adherent screeds	UNI 11493	≥3 cm
Maximum application thickness for floating screeds	UNI 11493	≥4 cm
Maximum application thickness		6 cm
Waiting time - before foot traffic (*)		12 ÷ 24 hours
Waiting time - for flooring (*)		5 ÷ 10 days
Waiting time - for wooden flooring (*)		7 days ×cm-thickness
Waiting time - for the start-up of heated floors systems (*)		14 days (**)
Application temperature		+5°C ÷ +35°C
Performance characteristics	Standard	Product performance
Class and type	EN 13813	CT-C20-F5
Compression strength	EN 12190	≥20 N/mm ²
Bending strength	EN 12190	≥5 N/mm ²
Thermal conductivity λ _{10,dry}	EN 1745	1.40 W/mK (printout value)
Thermal resistance - Working temperature		-30°C ÷ +90°C
Fire reaction	EN 13501-1	A1 fl
Hazardous substances	EN 12004	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.**

(*) The times indicated will be longer or shorter as the temperature drops or rises.

(**) Where possible carry out several cycles before setting the plant at work.

Compliant with the general principles defined in **EN 13813** and according to Italian standard UNI 11493.

The numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

25-kg Sacks

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

 <p>index Construction Systems and Products</p> <p>Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390</p>	<p>Internet: www.index-spa.com Informazioni Tecniche Commerciali tecom@indexspa.it Amministrazione e Segreteria index@indexspa.it Index Export Dept. index.export@indexspa.it</p>		<p>TOTAL QUALITY Index</p>  <p>UNI EN ISO 9001</p>	<p>Environmental Management Systems index</p>  <p>UNI EN ISO 14001</p>	 <p>index socio del GBC Italia</p>	 <p>lavorosicuro</p>
--	--	---	--	---	--	--