



FLOORBOND FLEX

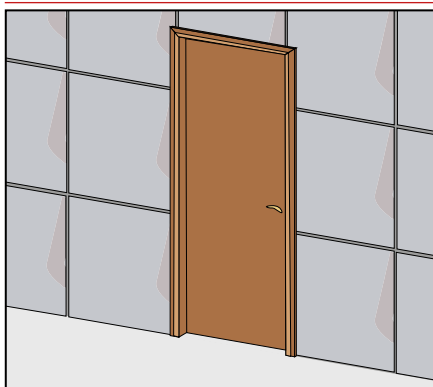
EXTRA STRONG POLYMER-MODIFIED CEMENT ADHESIVE FOR TILES,
HIGHLY DEFORMABLE AND WITH IMPROVED ADHESION
FOR LARGE PORCELAIN STONEWARE TILES,
TO BE APPLIED IN A THICK LAYER ON INTERIOR AND EXTERIOR FLOORS
AND WALLS, ALSO WHEN OVERLAYING EXISTING TILES

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
ONE-COMPONENT	ECO GREEN	RECYCLABLE	MIX MECHANICALLY	APPLY BY TOOTHED SPATULA
				STORAGE: IN A DRY PLACE

PROBLEM

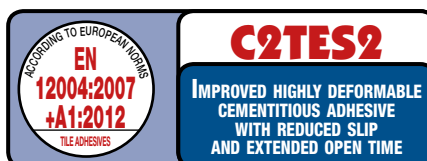
**APPLICATION OF LARGE
TILES ABSORBING
LESS THAN 0.5% ON
IRREGULAR SUPPORT**



Laying large ceramic tiles on uneven surfaces where a thick layer of adhesive is needed to lay a level floor on an uneven surface requires an adhesive capable of withstanding high thicknesses to resolve these problems.

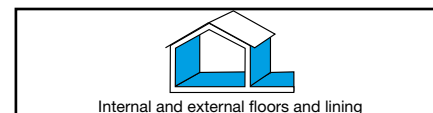
SOLUTION

FLOORBOND FLEX is a pre-mixed powder adhesive made up of cement, selected quartz sands, powdered resins and special additives which give the product an optimal adhesive power on all normal cement substrates or on overlaps.



APPLICATION FIELDS

FLOORBOND FLEX is particularly suitable for bonding clinker, porcelain stoneware and single-fired large sized tiles, natural stone and tiles with high tolerances on the reverse side, on **new floors and walls** and **on top of existent ones**, for **both interior and exterior applications**. It is indicated for bonding tiles to uneven substrates with a difference in thickness, on smooth prefabricated concrete supports and on heated floors.



Internal and external floors and lining

ADVANTAGES

- High workability.
- Highly adhesive.
- Makes it possible to bond large and natural stone tiles with a high tolerance on uneven substrates.

METHOD OF USE

• SURFACE PREPARATION

FLOORBOND FLEX can be applied on all traditional supports, provided they are flat, solid and free of incoherent parts, fats, oils, dust or dirt in general.

Supports in plaster or in anhydrite mattresses must first be treated with ISOLFIX G.

• MIX PREPARATION

FLOORBOND FLEX is prepared by mixing the product with right quantity clean water (see table). Pour the powder product into the water and mix with a drill on low speed until a uniform paste is obtained with no lumps (1). Leave the paste to rest for 3 minutes and mix again. The mix stays in workable condition for about 6 hours depending on weather conditions.

• APPLICATION

FLOORBOND FLEX is applied using a toothed trowel with teeth of up to 15 mm (2). We recommend applying a levelling layer with the smooth side of the spatula and then applying the layer with the toothed side straight

afterwards. When applying outdoors we recommend laying the adhesive to the reverse side of the tile (3) too in order to fill in any cavities, which could cause possible infiltrations and damage due to rainwater during freezing and thawing cycles. The tiles should be applied using a pressure which is sufficient to guarantee the total contact of the adhesive, bearing in mind the pot life of the product and therefore before it forms the surface "skin".

• CONSUMPTION

From 4 to 9 kg/m² depending on the planarity of the support and the type of tile.

• PRECAUTIONS

- Don't use on surfaces made of metal, rubber, vinyl floors, wood, linoleum or PVC.
- In case of marble or composite stones

particularly sensitive to water, we suggest you to consult our technical office.

- If the back of the tiles are very dusty, it is recommended to clean them by dipping them quickly in water.

(See following)



TECHNICAL CHARACTERISTICS

	Standard	FLOORBOND FLEX	
Appearance		Powder	
Colour		White	Grey
Apparent density	EN 1015-6	1.40 ± 0.10 kg/L	1.40 ± 0.10 kg/L
Water ratio		27% ± 1% (6,75 L)	27% ± 1% (6,75 L)
Shelf life in original packaging (dry stored)		12 months	
Mix characteristics and workability			
Density of mix		1.60 ± 0.10 kg/L	
Mix pH		12-14	
Pot life (*)		approx 6 hours	
Application temperature		+5°C ÷ +35°C	
Open time (*)		30 minutes	
Adjustability time (*)		40 minutes	
Waiting time - before foot traffic use (*)		24 hours	
Waiting time - before grouting (*)		24 hours	
Performance characteristics	Standard	Minimun requirement	Product performace
Class and type	EN 12004		C2TES2
Transversal deformation class of adhesive	EN 12002	≥5.0 mm	5.3 mm - class S2
Adhesion strength	EN 1348 P8.2	≥1.00 N/mm²	2.00 N/mm²
Adhesion strength - after immersion in water	EN 1348 P8.3	≥1.00 N/mm²	1.80 N/mm²
Adhesion strength - after heat	EN 1348 P8.4	≥1.00 N/mm²	1.90 N/mm²
Adhesion strength - after thaw-frost cycles	EN 1348 P8.5	≥1.00 N/mm²	1.60 N/mm²
Open time: adhesion strenght - after 30'	EN 1346	≥0.50 N/mm²	1.40 N/mm²
Sliding	EN 1308	<0.5 mm	<0.5 mm
Thermal resistance - Operating temperature			-30°C ÷ +90°C
Fire reaction	EN 13501-1		E CWFT P4.4.3
Hazardous substances	EN 12004		in accordance to ZA.1 note

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

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

Pursuant to European standard EN 12004:2007+A1:2012 - General principles for the use of products and systems.

(See previous)

- In adverse weather conditions (high temperatures, wind) the normal open time may be shorter. Therefore you must make sure the adhesive has not formed a "skin" before laying the tile, which would compromise adhesion. If a "skin" has formed on the surface, simply refresh the adhesive by crossing again with the toothed trowel without wetting.
- In high temperatures wetting the foundation helps to increase the open time.
- Never use with temperatures below +5°C

and high than +35°C. Protect tiles from rain, frost and high temperature for 24 hours at least.

- In hot weather avoid laying the adhesive on large surface areas.
- Glue uniformly.
- Damp surfaces can slow the setting of the product.
- When overlaying, the surfaces must be washed well with water and caustic soda (9:1).
- Clean the tools with water and the cov-

ered surfaces with a damp cloth immediately after use.

- Do not expose the material to direct sunlight in hot weather.
- Store the original closed packaging in a dry place.

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.

PACKAGING

25-kg Sacks

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

• 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>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>Environmental Management Systems Index</p> 	 <p>socio del GBC Italia</p>	
---	--	---	---	---	---	---