



FLEXBOND

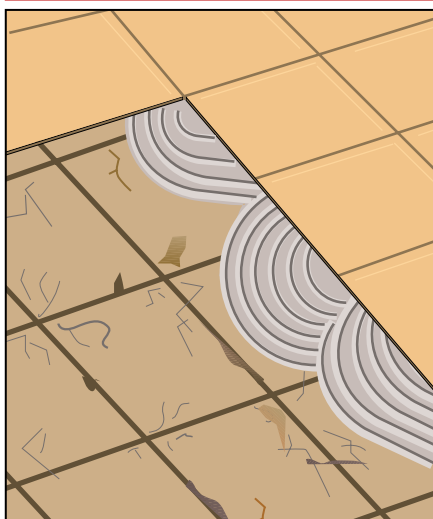
EXTRA STRONG POLYMER-MODIFIED CEMENT ADHESIVE FOR TILES, DEFORMABLE AND WITH IMPROVED ADHESION, FOR LAYING PORCELAIN STONWARE AND NATURAL STONES, ON INTERIOR AND EXTERIOR FLOORS AND WALLS, ALSO WHEN OVERLAYING EXISTING TILES

GRANTS **LEED** CREDITS

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

PROBLEM

APPLICATION OF LARGE TILES ABSORBING LESS THAN 0.5%, EVEN WHEN OVERLAID



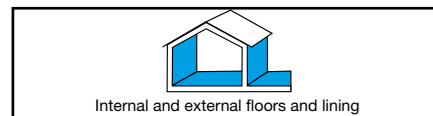
SOLUTION

Redoing flooring can be very expensive. This cost problem can be solved using a product that can set the new flooring right on top of the existing floor. Floor foundations subject to size variations such as those for heated floors or exterior wall insulation panels require products that can withstand these variations. **FLEXBOND** is a one-component cement mortar for setting tiles. It contains special powdered resin additives that make it strongly adhesive and elastic.



APPLICATION FIELDS

FLEXBOND is used for laying single-fired, porcelain stoneware, clinker, natural stone and cotta tiles, even large sizes, on **new floors and walls or on top of existent ones**, for both **interior and exterior applications**. **FLEXBOND** is excellent over floor foundations subject to variations in size, with heated floors, cured concrete surfaces, foam cement, plasterboard panels and insulating panels. **FLEXBOND**, is also recommended for installing and leveling insulating panels in exterior wall insulation systems.



ADVANTAGES

- **FLEXBOND** is used for laying on top of existent floors, simply and quickly.
- It offers a strong, flexible bond, even on totally non-absorbent porcelain stoneware.
- **FLEXBOND** is a universal adhesive used for an extensive array of laying applications, including the bonding and smoothing of insulation panels in the external wall insulation system.

METHOD OF USE

• SURFACE PREPARATION

The foundation onto which the adhesive is applied, must be clean and free from dust, oil and form-releasing greases. For laying on gypsum, anhydrite and quick-drying screeds, insulating treatment with ISOLFIX G is required.

When laying on top of glazed or very smooth ceramic tiles, the latter must be bush ham-

mered in advance to improve adhesion.

• MIX PREPARATION

FLEXBOND 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.

(See following)



CERTIFICATIONS



Adhesion pursuant
DIN18156



TVFA
tu Wien



RINA



Istituto
Cantonale
Sperimentale



TECHNICAL CHARACTERISTICS

		FLEXBOND	
	Standard	Powder	
		White	Grey
Appearance			
Colour		White	Grey
Apparent density	EN 1015-6	1.30 ± 0.05 kg/L	1.30 ± 0.05 kg/L
Water ratio		28% ± 1% (7,0 L)	28% ± 1% (7,0 L)
Shelf life in original packaging (dry stored)		12 months	
Mix characteristics and workability			
Density of mix		1.60 ± 0.05 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	Minimum requirement	Product performance
Class and type	EN 12004		C2TES1
Transversal deformation class of adhesive	EN 12002	≥2.5 mm	2.6 mm - class S1
Adhesion strength	EN 1348 P8.2	≥1.00 N/mm ²	1.90 N/mm ²
Adhesion strength - after immersion in water	EN 1348 P8.3	≥1.00 N/mm ²	1.70 N/mm ²
Adhesion strength - after heat	EN 1348 P8.4	≥1.00 N/mm ²	1.90 N/mm ²
Adhesion strength - after thaw-frost cycles	EN 1348 P8.5	≥1.00 N/mm ²	1.50 N/mm ²
Open time: adhesion strength - after 30'	EN 1346	≥0.50 N/mm ²	1.30 N/mm ²
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 absorbency. (*) 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)

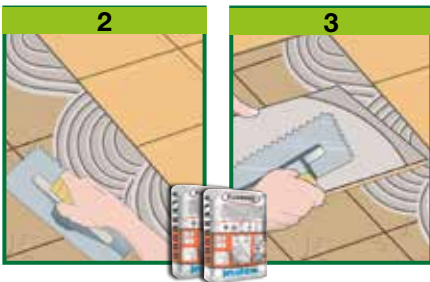
• APPLICATION

Apply the product using a toothed trowel depending on the type of tile. (2).

In outdoor installations where there is danger of freezing apply a thin coat of mortar to the back of the tile to prevent water from penetrating into empty spaces and causing the tile to detach when it freezes (3).

• CONSUMPTION

From 2 to 5 kg/m² depending on the shape and type of trowel.



• 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.
- 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).
- Do not use the product in thicknesses of more than 6-7 mm.
- Clean the tools with water and the covered 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.

PACKAGING

25-kg Sacks
5-kg Buckets

• 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 •

index
Construction Systems and Products
Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67
T. +39 045 8546201 - F. +39 045 518390

Internet: www.index-spa.com
Informazioni Tecniche Commerciali
tecom@indexspa.it
Amministrazione e Segreteria
index@indexspa.it
Index Export Dept.
index.export@indexspa.it



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