



# FLEXBOND MAXI

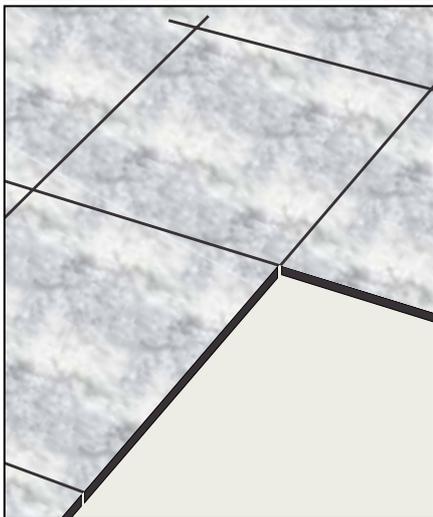
EXTRA STRONG POLYMER-MODIFIED CEMENT ADHESIVE FOR TILES, HIGHLY DEFORMABLE AND WITH IMPROVED ADHESION FOR LARGE CERAMIC TILES, TO BE APPLIED IN A THICK LAYER ON INTERIOR AND EXTERIOR FLOORS AND WALLS, ALSO WHEN OVERLAYING EXISTING TILES

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
A				
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**



## SOLUTION

Laying large format ceramic tiles with large thickness tolerances on uneven floor/wall roughs, calls for an adhesive that can support large thickness values to compensate these problems.

**FLEXBOND MAXI** is a premixed powder adhesive containing cement, selected quartz sands, powder resins and special additives ensuring excellent adhesion on all normal floor/wall roughs containing cement or by overlaying.



## APPLICATION FIELDS

**FLEXBOND MAXI** is particularly suitable for laying clinker, porcelain stoneware and single-fired large sized tiles, natural stone and tiles with high tolerances on the reverse side, **on new floors 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 pre-fabricated concrete supports and on heated floors.



Internal and external floors and lining

## ADVANTAGES

- Highly workable.
- Highly adhesive.
- Large format tiles and natural stones with high tolerance values can be bonded on uneven floor/wall roughs.

## METHOD OF USE

### • SURFACE PREPARATION

**FLEXBOND MAXI** 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

**FLEXBOND MAXI** 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

**FLEXBOND MAXI** is applied using a toothed trowel with semi-circular teeth of 20 to 25 mm (2). We advise you to spread a coat for shaving, using the smooth side of the spatula, and then to immediately apply the coat with the toothed spatula. For outdoor applications, we advise you to spread the

product on the backs of the tiles (3) as well, to prevent any cavities, which could cause seepage and damage caused by rainwater by means of the frosting and unfreezing cycles. Apply the tiles by exerting sufficient pressure to ensure complete contact with the adhesive, taking into account open-state time, i.e. before the surface 'skin' forms.

### • COVERAGE

From 5 to 10 kg/m<sup>2</sup> according to the flatness of the support and the type of tiles.

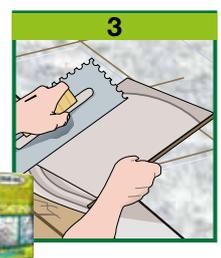
### • PRECAUTIONS

- 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 sug-

gest 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

		FLEXBOND MAXI	
		Powder	
		White	Grey
Appearance			
Colour			
Apparent density	<b>EN 1015-6</b>	1.45 ± 0.10 kg/L	1.45 ± 0.10 kg/L
Water ratio		26% ± 1% (6,5 L)	26% ± 1% (6,5 L)
Shelf life in original packaging (dry stored)		12 months	
<b>Mix characteristics and workability</b>			
Density of mix		1.65 ± 0.10 kg/L	
Mix pH		12-14	
Pot life (*)		approx 6 hours	
Application temperature		+5°C ÷ +35°C	
Open time (*)		25 minutes	
Adjustability time (*)		35 minutes	
Waiting time - before foot traffic use (*)		24 hours	
Waiting time - before grouting (*)		24 hours	
Performance characteristics	Standard	Minimum requirement	Product performance
<b>Class and type</b>	<b>EN 12004</b>		<b>C2TES2</b>
<b>Transversal deformation class of adhesive</b>	<b>EN 12002</b>	≥5.0 mm	5.1 mm - class S2
<b>Adhesion strength</b>	<b>EN 1348 P8.2</b>	≥1.00 N/mm <sup>2</sup>	1.80 N/mm <sup>2</sup>
<b>Adhesion strength - after immersion in water</b>	<b>EN 1348 P8.3</b>	≥1.00 N/mm <sup>2</sup>	1.60 N/mm <sup>2</sup>
<b>Adhesion strength - after heat</b>	<b>EN 1348 P8.4</b>	≥1.00 N/mm <sup>2</sup>	1.70 N/mm <sup>2</sup>
<b>Adhesion strength - after thaw-frost cycles</b>	<b>EN 1348 P8.5</b>	≥1.00 N/mm <sup>2</sup>	1.50 N/mm <sup>2</sup>
<b>Open time: adhesion strength - after 30'</b>	<b>EN 1346</b>	≥0.50 N/mm <sup>2</sup>	1.20 N/mm <sup>2</sup>
<b>Sliding</b>	<b>EN 1308</b>	<0.5 mm	<0.5 mm
Thermal resistance - Operating temperature			-30°C ÷ +90°C
<b>Fire reaction</b>	<b>EN 13501-1</b>		E CWFT P4.4.3
<b>Hazardous substances</b>	<b>EN 12004</b>		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)

- 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 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.

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 •

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