



# SPECIALBOND

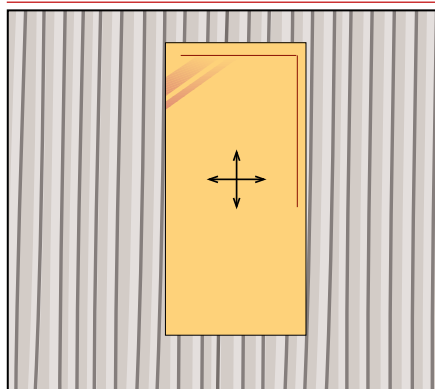
HIGH-ADHESION, CEMENT-BASED ADHESIVE  
FOR APPLICATION OF CERAMIC TILES  
ON INTERNAL AND EXTERNAL FLOORS AND LINING

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

**HOW TO AVOID VERTICAL SLIPPING WITH A HIGH ADJUSTMENT TIME**



## SOLUTION

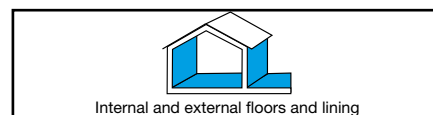
Laying ceramic tiles of various types on vertical and horizontal surfaces requires adhesives that to ease the job, with a high resistance to slipping and an excellent adjustment time.

**SPECIALBOND** is a pre-mixed powder adhesive made of cement, selected quartz sands and special powder resins that increase the adhesion and the resistance along with additives that guarantee a highly thixotropic and workable product so the tiles of significant weight won't slip



## APPLICATION FIELDS

**SPECIALBOND** is used for bonding clinker, porcelain stoneware, single-fired, natural stone and cotta tiles on any type of **interior and exterior** substrate normally used in the building trade, also for radiant floors. It is used universally **on floors, walls and ceilings** for thin-layer bonding applications.



## ADVANTAGES

- Long pot life making laying easier.
- Excellent adjustment time
- Excellent adhesion on various supports.
- Good resistance to slipping.

## METHOD OF USE

### • SURFACE PREPARATION

The supports must be solid, level, free of loose or crumbling parts, powder or dust, oils, grease and dirt in general. Plaster supports must be consistent, dry and treated with the primer ISOLFIX G before the application of **SPECIALBOND**. Use **SPECIALBOND** with **ELASTOBOND** on pre-fabricated concrete or very smooth supports; walls or floors subject to high stress, heated floors, tiles or large, non-absorbent natural stone slabs.

### • MIX PREPARATION

**SPECIALBOND** 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

**SPECIALBOND** should be applied with a toothed spatula with rhomboid or square teeth depending on the type of tile (2). For external applications we recommend also coating the back of the tiles to prevent cavities forming, which can cause infiltrations and damage caused by rainwater. The tiles should be applied using a pressure which is sufficient to guarantee the total contact of the adhesive with the back of the tile.

Insulating panels can be spot bonded with a trowel or spatula, allowing for the workable time also in this case, using the product before a surface skin forms as well as allowing for the weight of the tiles.

### • CONSUMPTION

From 3 to 4 kg/m<sup>2</sup> depending on the size of the 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 suggest you to consult our technical office.
- If the back of the tiles are very dusty, it is rec-

ommended 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.
- Do not use for overlaying existing flooring.
- 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.

# TECHNICAL CHARACTERISTICS

		<b>SPECIALBOND</b>	
	Standard		
Appearance		Powder	
Colour		White	Grey
Apparent density	<b>EN 1015-6</b>	1.30 ± 0.10 kg/L	1.30 ± 0.10 kg/L
Water ratio		28% ± 1% (7,0 L)	28% ± 1% (7,0 L)
Shelf life in original packaging (dry stored)		12 months	
<b>Mix characteristics and workability</b>			
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 (*)		25 minutes	
Adjustability time (*)		50 minutes	
Waiting time - before foot traffic use (*)		24 hours	
Waiting time - before grouting (*)		24 hours	
<b>Performance characteristics</b>	<b>Standard</b>	<b>Minimum requirement</b>	<b>Product performance</b>
<b>Class and type</b>	<b>EN 12004</b>		<b>C2TE</b>
<b>Adhesion strength</b>	<b>EN 1348 P8.2</b>	≥1.00 N/mm <sup>2</sup>	1.70 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>	1.30 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>	1.20 N/mm <sup>2</sup>
<b>Open time: adhesion strenght - after 30'</b>	<b>EN 1346</b>	≥0.50 N/mm <sup>2</sup>	0.70 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.

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 <b>9001</b>	 UNI EN ISO <b>14001</b>		
	© INDEX					