



GYPSUMBOND

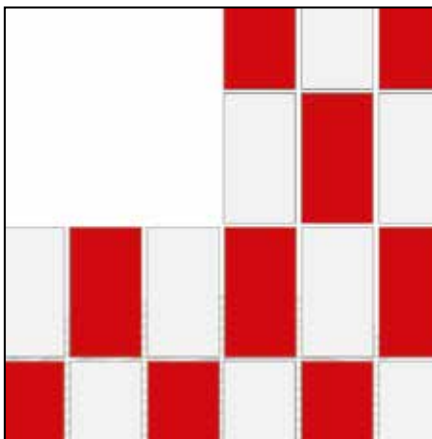
HIGH-ADHESION, CEMENT-BASED, SPECIAL ADHESIVE
 VERY SUBJECT TO CHANGEABILITY FOR LAYING CERAMIC TILES
 ON SUBSTRATE IN GYPSUM, SCAGLIOLA AND ANHYDRITE
 WITHOUT PREVIOUS APPLICATION PRIMER
 ON INTERNAL FLOORS AND LINING

GRANTS *LEED* CREDITS

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

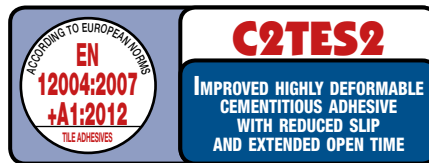
PROBLEM

APPLICATION OF CERAMIC TILES ON GYPSUM, CARBON DIOXIDE AND SCAGLIOLA WITHOUT PRIMER



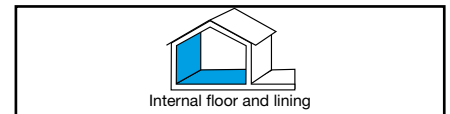
SOLUTION

GYPSUMBOND is a pre-mixed adhesive powder consisting of special binders, powdered resin, selected quartz aggregates and special additives, which ensure excellent workability and adhesion to a range of substrates. The excellent workability of **GYPSUMBOND** means that it can be also be used for fixing wall tiles.



APPLICATION FIELDS

GYPSUMBOND is used for thin-layer bonding of ceramic and porcelain stoneware tiles, **on floors for interior applications**, on substrates in gypsum, anhydrite, scagliola, cement, lime-cement and plasterboard. When applying on gypsum substrates there is no need for a primer. Its natural composition and strong bonding properties mean it can be used for laying and smoothing on panels made of mineral fibres, cork etc. in the external wall thermal insulation system.



ADVANTAGES

- **GYPSUMBOND** is a versatile adhesive for standard and specific applications, such as tiling on gypsum or anhydrite without the use of primer

METHOD OF USE

• SURFACE PREPARATION

Substrates must be cured, sound, flat and free from friable material, dust, oil, grease and dirt in general. Substrates in gypsum, anhydrite and scagliola must be sufficiently thick and dry (maximum humidity 0.5%), and do not require the application of primer. Check carefully for rising damp. If present, eliminate the cause and wait for the substrate to dry out before starting tiling.

If you are fixing tiles on plaster surfaces that are not totally even, use **GYPSUMBOND** as a filler and leave to dry for at least 24 hours before tiling.

• MIX PREPARATION

GYPSUMBOND 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

GYPSUMBOND should be applied with a toothed spatula (tooth from 3 to 8 mm) according to the size of tile to be fixed (2). When fitting large tiles, you are advised to spread **GYPSUMBOND** on the back of the tile as well as the substrate in order to ensure complete adhesion.

Fix the tiles by exerting sufficient pressure on them to ensure that the back of the tile comes into complete contact with the adhesive.

• CONSUMPTION

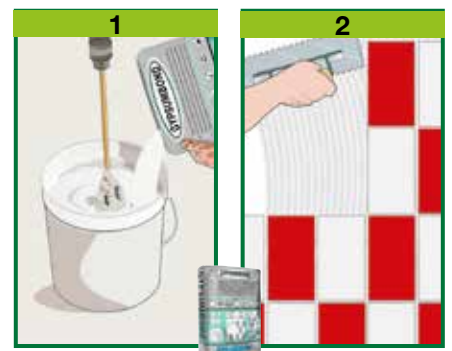
2,5-4 kg/m² according to the evenness of the substrate and the type of tile to be fixed.

• 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.

(See following)



TECHNICAL CHARACTERISTICS

		GYPSUMBOND	
	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		26% ± 1%	26% ± 1%
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 (*)		35 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		C2TES2
Transversal deformation class of adhesive	EN 12002	≥5.0 mm	6.0 mm - class S2
Adhesion strength	EN 1348 P8.2	≥1.00 N/mm ²	1.50 N/mm ²
Adhesion strength - after immersion in water	EN 1348 P8.3	≥1.00 N/mm ²	1.20 N/mm ²
Adhesion strength - after heat	EN 1348 P8.4	≥1.00 N/mm ²	1.40 N/mm ²
Adhesion strength - after thaw-frost cycles	EN 1348 P8.5	≥1.00 N/mm ²	1.10 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.

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

(See previous)

- 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 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.

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 •

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