



# RAPID-FLEX (WHITE)

## Flexible, One Part, Fast Setting Cement Based Ceramic Tile Adhesive

### Technical Data Sheet



### PROFESSIONAL TILING RANGE

CLASS  
C2FS1

#### Description:

*A fast setting cement based, thin or thick bed wall and floor tile adhesive. It is suitable for fixing ceramic, quarry, porcelain, vitrified, natural stone, travertine and mosaic tiles in internal locations. Conforms to EN 12004:2007+A1:2012 Class C2FS1.*

#### Features & Benefits:

- ♦ **Rapid setting, flexible and deformable.**
- ♦ **Does not require admixtures.**
- ♦ **Can be grouted after 2 hours.**
- ♦ **Is suitable for ceramic, porcelain, vitrified, mosaic, marble and natural stone tiles.**

#### Uses

Bond It RAPID-FLEX is a flexible, fast setting, thick or thin bed adhesive for bonding ceramic, quarry, porcelain, vitrified, natural stone, travertine and mosaic tiles to walls and floors. Because of the fast acting properties, tiles can be grouted and suitable for use in approximately 2 hours after fixing (at normal temperatures). RAPID-FLEX will bond to concrete, sand/cement screeds, building blocks and brickwork. It can be used to bond to wooden surfaces, glazed surfaces or used with underfloor heating.

RAPID-FLEX is suitable for interior use including locations which are subject to regular wetting eg. domestic showers and bathrooms. A separate flexible admixture is not required.

#### Limitations

This product is not suitable for use in areas subject to permanent water immersion eg. swimming pools, ponds and external use. Do not use at temperatures below +5°C or in conditions of extreme heat.

#### Preparation

The substrate must be clean, structurally sound and free from dust, oil, grease and any other contamination that may prevent adhesion. It should also be strong enough to support the weight of the tiles being fixed. RAPID-FLEX can be applied to dry or moist surfaces but moisture sensitive materials must be dry and remain dry after fixing. Porous gypsum, aerated concrete and interior asphalt substrates should be primed with products such as Bond It PRIMER AND FLEXIBLE ADMIXTURE.

**Concrete Brick and Blockwork:** Ensure that these are dry and cured through. Freshly laid concrete can take up to 3 months to fully cure. Do not apply tiles until it is fully cured.

**Painted surfaces:** Any loose or water sensitive paint should be removed. Any subsequent bonds to a painted surface are only as strong as the paint film.



**Rough & Uneven Surfaces:** These should be levelled with a suitable levelling compound and allowed to dry before tiling. Other Surfaces: RAPID-FLEX can be used on wooden floors, glazed surfaces and gloss/eggshell painted surfaces. Existing timber floors should be overboarded with 15mm exterior grade plywood rigidly fixed by screws at 300mm centres. Non porous surfaces, such as existing tiles or gloss/eggshell painted surfaces, should be primed with Bond It PRIMER AND FLEXIBLE ADMIXTURE.

**Tiled Surfaces:** The surface of existing tiled floors or walls should be sound; any loose or hollow sounding tiles should be made secure. When tiling over vinyl tiles, check that they are securely bonded and are free from polish or other materials that will impede adhesion. Provide a key by rubbing with coarse sand paper and prime with Bond It PRIMER & FLEXIBLE ADMIXTURE. Underfloor Heating: When tiling on substrates incorporating underfloor heating, turn off 48 hours before tiling and do not turn on for 48 hours after completion, from a low setting slowly increasing the temperature by +5°C per day.

**Anhydrite/calcium sulphate screeds:** should be sanded and vacuumed before priming with 2 coats of Bond It PRIMER AND FLEXIBLE ADMIXTURE and left to dry for 24 hours prior to application).

#### Mixing

20Kg of RAPID-FLEX should be mixed with 4L of clean water. Slowly add the powder to the water while stirring with a suitable slow speed drill or paddle. Mix to form a soft, lump-free consistency. Do not mix more adhesive than can be used within a 15 minute period. In hot weather the pot life will be reduced. Never add more water to a mixture that has begun to set.

#### Application

Taking account of surface irregularities, use a suitable sized notched trowel that will give 100% coverage of adhesive to the back of the tile. Press and twist the tiles into place ensuring a minimum bed thickness of 3mm. For deep studded tiles, large format tiles or for wet areas, it will be necessary to butter the back of the tile with adhesive to improve adhesion. Remove and inspect the back of a tile occasionally to ensure adequate bedding is being achieved. Expansion joints must be provided according to the relevant part of BS5385. 'Dot and Dab' is not a recommended method of application.

Final set will occur after approximately 2 hours, depending on temperature. Clean off any surplus adhesive with a damp cloth before it sets. It is important that the tiles are left undisturbed for a minimum of 2 hours after fixing at normal temperatures.

### Grouting

May commence approximately 2-3 hours after fixing.

### Cleaning

Tools should be washed with water immediately after use.

### Size

20kg paper sack.

### Coverage

Coverage is dependant on application technique, substrate and type of tiles used. However, 20Kg of RAPID-FLEX will cover approx 6-7m<sup>2</sup> @ 3mm bed thickness.

### Colour

White powder.

### Shelf Life

Minimum 12 months from date of manufacture, before the date shown on the bag when stored in unopened sacks.

### Storage Conditions

This product must be stored in unopened manufacturers bag away from extremes of temperature and in dry conditions. Protect from frost.

### Disposal Of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any bags or used material to a central disposal point in accordance with local regulations.

### Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

*Note: this information is for general guidance only, since site conditions and labour are beyond our control.*

UK  
CA

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CE

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### BOND IT

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### EN12004:2007+A1:2012

DoP: BDTRF  
NB: 1023

DoP: BDTRF  
NB: 1289

Fast setting cementitious adhesive for internal tiling.

Reaction to fire Class E

Release of dangerous substances See MSDS

Bond strength  
Early tensile adhesion strength  $\geq 0.5\text{N/mm}^2$

Initial tensile adhesion strength  $\geq 1.0\text{N/mm}^2$

Durability, for  
Tensile adhesion strength after water immersion  $\geq 1.0\text{N/mm}^2$

## Specification Summary

Appearance	White powder
Application Temperature	+5°C to 30°C
Bed Depth	3 to 6mm
Open Time	Approx 10 mins @ 20°C
Grout	After 2 to 3 hours
Light Foot Traffic	2 to 3 hours
Full Traffic	6 hours
Flammability	Non flammable
Density	approx. 2.7g/cm <sup>3</sup>
Commodity Code	3214101000

## Product / Order Details

Code	Colour	Size	Barcode	UFI
BDTRFWH	White	20Kg	5060021367969	SH30-M0YV-C00Y-H680



## Part of the Bond It Professional Tiling Range

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*Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.*



Certificate Number 6152  
ISO 9001  
ISO 14001  
ISO 45001

Version 7: Updated 04/03/24  
Supersedes: V6 31/10/23

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