

# RAPID-SET

## Fast Setting Water Resistant Cement Based Ceramic Tile Adhesive

### Technical Data Sheet



### PROFESSIONAL TILING RANGE

CLASS  
C1F

#### Description:

A grey, cement based ceramic floor and wall tile adhesive. Conforms to EN 12004:2007 +A1:2012 Class C1F.

#### Features & Benefits:

- ♦ **Fast setting.**
- ♦ **Water resistant.**
- ♦ **For interior applications.**
- ♦ **Grout after 2 hours.**

#### Uses

RAPID-SET is a specially formulated, fast setting thick or thin bed adhesive for bonding ceramic tiles and mosaics to walls and floors. Because of the fast acting properties, tiles and mosaics can be grouted and suitable for use in approximately 2 hours after fixing (at normal temperatures).

Will bond to concrete, sand/cement screeds, building blocks and brickwork. When used in conjunction with Bond It PRIMER AND FLEXIBLE ADMIXTURE it can be used to bond to wooden surfaces, glazed surfaces or used with underfloor heating. Alternatively, use a Bond It flexible tile adhesive, such as RAPID FLEX.

Suitable for interior use including locations which are subject to regular wetting, eg. domestic showers and bathrooms.

#### Limitations

This product is NOT suitable for use in areas subject to permanent water immersion, eg. swimming pools, ponds and external use.

#### Preparation

The substrate must be clean, structurally sound and free from dust, oil, grease and any other contamination that may prevent adhesion.

**Concrete:** 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 and Uneven Surfaces:** These should be levelled with a suitable levelling compound and allowed to dry before tiling.

**Other Surfaces:** RAPID-SET can be used on wooden floors, glazed surfaces and gloss/eggshell painted surfaces but must be used in

conjunction with Bond It PRIMER AND FLEXIBLE ADMIXTURE. 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.

**Underfloor Heating:** RAPID-SET is suitable for use with underfloor heating but must be used in conjunction with Bond It PRIMER AND FLEXIBLE ADMIXTURE. Turn off heating 48 hours before tiling and turn on 48 hours after completion. From a low setting gradually increase 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

A 20Kg bag of RAPID-SET should be mixed with 4L of clean water using a mechanical stirrer. Mix to form a soft, lump free consistency. Do not mix more adhesive than can be used in 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. When using PRIMER AND FLEXIBLE ADMIXTURE, refer to separate dilution rates on the pack.

#### 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 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. Do not use at temperatures below +5°C or in conditions of extreme heat.



## Grouting

Grouting may commence after tiles are sufficiently firm to accept light foot traffic - approximately 2-3 hours after fixing.

## Cleaning

Tools should be washed with water immediately after use.

## Size

20Kg and 10Kg paper sacks.

## Coverage

This will vary according to the condition of the substrate. A 20Kg bag will cover approximately 6-7m<sup>2</sup> with a 3mm bed thickness.

## Colour

Grey powder.

## Shelf Life

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 and direct sunlight.

## 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.*

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CA

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CE

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### BOND IT

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### EN12004:2007+A1:2012

Fast setting cementitious adhesive for internal tiling.

DoP: BDRS20/10  
NB: 1289

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NB: 1289

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  $\geq 0.5\text{N/mm}^2$

Durability, for  
Tensile adhesion strength  
after water immersion  $\geq 0.5\text{N/mm}^2$

## Specification Summary

Appearance	Grey powder
Flammability	Non-flammable
Maximum Bed Depth	6mm
Coverage	20Kg bag 6-7m <sup>2</sup> @ 3mm bed thickness
Application Temperature	+5°C to +30°C
Open Time	Approximately 15 minutes
Time To Traffic	Approximately 2-3 hours
Density	Approx 2.7g/cm <sup>3</sup>
Commodity Code	3816000000

## Product / Order Details

Code	Colour	Size	Barcode	UFI
BDRS20	Grey	20Kg	5060021363404	ME30-409G-200F-VUNX
BDRS10	Grey	10Kg	5060021363411	ME30-409G-200F-VUNX



## 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.*



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ISO 9001  
ISO 14001  
ISO 45001

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