

RAPID-SET

Fast Setting Water Resistant Ceramic Tile Adhesive

Description

A cement based ceramic floor and wall tile adhesive. Conforms to BS5980 Type 1: Class AA and BS EN 12004 Type C, Class 1F.

Uses

Bond It **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 these fast acting properties, tiles and mosaics can be grouted and suitable for use in approximately 2 hours after fixing (at normal room temperature).

RAPID-SET will bond to concrete, sand/cement screeds, glazed surfaces, building blocks, brickwork and wooden surfaces. certain surfaces may need to be suitably primed prior to fixing.

RAPID-SET is completely water-resistant and is suitable for interior use, particularly locations which are subject to regular wetting, eg. showers, saunas and bathrooms.

Note: this product is NOT suitable for use in areas subject to permanent water immersion.

Preparation

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

- ◆ **Wooden Surfaces:** existing timber floorboards should be covered with plywood of an adequate thickness and rigidly fixed by screws at 300mm centres. Addition of Bond It PRIMER & ADDITIVE must be used to give improved adhesion.
- ◆ **Glazed Surfaces:** it is essential to ensure the backgrounds are sound and firmly fixed. All contamination must be removed prior to application. Addition of Bond It PRIMER & ADDITIVE must be used to give improved adhesion.
- ◆ **Concrete:** these surfaces show drying shrinkage and must be allowed to dry and cure out thoroughly which can take up to 3 months. When fully dry, concrete is an excellent substrate for tiling using **RAPID-SET**, but it must be free from mould, oil, efflorescence, etc.
- ◆ **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.
- ◆ **Underfloor Heating:** **RAPID-SET** is suitable for use with underfloor heating systems when used with a flexible additive. All heating should be switched off

48 hours before tiling and turned on 48 hours after grouting.

◆ **Rough or Uneven Surfaces:** these should be levelled with a suitable floor levelling compound and allowed to dry prior to application of **RAPID-SET**.

Mixing

RAPID-SET should be added to clean water to the ratio of 1 part water to 2.5 parts powder (or 1 part diluted admix: 2.5 parts powder). Continually mix the powder with a mechanical stirrer to form a soft, slump-free, easily workable mortar.

Application

The mixed adhesive mortar should be applied to the substrate using a notched trowel with either 5mm notches (for tiles) or 3mm notches (for mosaics). This will produce a series of parallel ribs of adhesive into which the tiles should be firmly bedded, with a twist and slide action to ensure full contact. On deep studded tiles it will be necessary to 'butter' the back of the tile to avoid any hollow areas. Open time of the exposed mortar bed is approx. 20 minutes, dependant on conditions. Do not trowel out an area of adhesive greater than can be tiled over within a 10 minute period.

Final set will occur between 2-3 hours. Clean off surplus adhesive with a damp cloth before adhesive sets. It is important that the tiles are left undisturbed for a minimum of 2 hours after fixing at normal room temperature. 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.

Coverage

This will vary according to the condition of the substrate, method of application and back profile of tile. However, 5Kg of adhesive will cover approximately 1m² @ 3mm thickness.

Storage Conditions

Store in original, unopened sacks, off the ground, in

cool dry conditions away from excessive draughts. Use within 12 months of the date of packing shown on the bag. Product and Chromium VI reducing agent remain effective for 12 months from the date of production if stored as recommended by the manufacturer. After 6 months some increase in setting time, common to fast-setting cements, may occur.

Disposal of Containers

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

Health & Safety

Contains cement.

Risk of serious damage to eyes. Contact with wet product - or dry powder contact with body fluids, such as sweat, or eye fluid, may cause irritation, dermatitis or burns. May produce an allergic reaction.

Wear suitable protective clothing, gloves overalls and eye and face protection. After contact with skin, wash off immediately with plenty of clean water.

Use a dust mask if excessive dust is unavoidable.

Keep out of reach of children.

In case of contact with eyes irrigate thoroughly with clean running water for at least 15 minutes and seek medical attention.

For further information, refer to the relevant health and safety data sheet.

Specification Summary

Flammability	Non Flammable
Maximum Bed Thickness	10mm
Coverage	@ 5Kg of adhesive will cover approximately 1m ² @ 3mm thickness
Open Time	Approximately 10 minutes
Pot Life	Approximately 30 minutes
Walkable	Approximately 2-3 hours

Container Sizes

Code:	BDRS20	BDRS10
Size:	20Kg	10Kg

The data presented in this leaflet are in accordance with the present state of our knowledge, but do 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 express or implied, of the fitness or suitability of the products for a particular purpose.



