



Never compromise on quality

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RAPID-FLEX

Fast Setting Water Resistant Ceramic Tile Adhesive

Description

A cement-based, flexible, rapid-setting, ceramic tile adhesive with built in admix for floor and wall tiling. Conforms to BS 5980 Type 1 Class AA / EN 12004 Type C Class 1F.

Uses

RAPID-FLEX is a rapid setting, grey, cement based floor and wall tile adhesive, which can be grouted 1.5 hours (at 20°C) after laying. It is specially formulated to have enhanced properties of adhesion and flexibility making it ideal for fixing fully vitrified tiles, low porosity tiles as well as glass and porcelain mosaics without incorporating an admixture.

It is suitable for fixing all types of ceramic tiles in internal applications. This product is suitable for use with underfloor and undertile heating providing the system is switched off for 48 hours before and 7 days after the installation. The mixed mortar has a slump free consistency with high initial grab enabling heavy wall tiles to be fixed without the need of battens and spacers. **RAPID-FLEX** will bond with most construction materials, including concrete, cement, sand/cement compounds, brick and blockwork, plasterboard and existing ceramic tiled surfaces.

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.

Concrete: allow at least 6 weeks drying time before laying tiles onto new concrete. Mechanically clean the surface and ensure all mould oil and curing agents are removed.

Cement/Sand render / screed: wood float finish and prevent rapid drying of the surface for 3 days (renders) or 7 days (screeds). Allow render to air dry for at least 2 weeks prior to tiling and 3 weeks for screeds.

Brick & blockwork: allow 6 weeks drying time prior to fixing.

Existing tiles: ensure the tiles are well adhered and can support the new tile bed. Thoroughly clean and rinse off the tiles prior to fixing. Use of a primer will be necessary when tiling over glazed tiles.

Mixing

RAPID-FLEX should be added to clean water to the ratio of 1 part water to 3 parts powder. Continually mix the powder with a mechanical stirrer to form a soft, slump-free, easily workable mortar. Pot life of mixed material is approximately 30 minutes @ 20°C. The material should be applied at temperatures above 5°C.

Application

The mixed adhesive mortar should be applied to the substrate using a notched trowel 8mm notches (floor tiles), 5mm notches (for wall 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 or for fixing in wet locations, it will be necessary to 'butter' the back of the tile to achieve a solid bed. Open time of the exposed mortar bed is approx. 10 minutes, dependant on conditions. Do not trowel out an area of adhesive greater than can be tiled over within a 20 minute period.

Final set will occur between 3-5 hours. Clean off surplus adhesive with a damp cloth before adhesive sets. Do not use at temperatures below 5°C or in conditions of extreme heat.

Grouting

Grouting of wall tiles may commence as soon as the tile bed has set and hardened which should be approximately 1 hour @ 20°C. Similarly floor tiles can be grouted once the **RAPID-FLEX** has hardened sufficiently to support light foot traffic, typically 3 hours @ 20°C after laying depending on the porosity of the tile and the backing.

Coverage

This will vary according to the condition of the substrate, method of application and back profile of tile. However as a guide a 20Kg bag will yield approximately 16L of mortar, equivalent to @ 5.6m² solid 3mm bed of adhesive.

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. Replace lids and 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

Bulk Density Of Powder	Approximately 1.1kg/Litre
Weight of Fresh Mortar	Approximately 1.6kg/L
Working Time	Approximately 30 minutes
Fixing Time	Approximately 10 minutes
Adjusting Time	Approximately 20 minutes

Container Sizes

Code:	BDTRF
Size:	20 Kg

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.

