

## BritFlex Rapid RS Flexible Tile Adhesive

BritFlex Rapidset is a cementitious tile adhesive, suitable for fixing different tiles including ceramics, slate, limestone, marble, porcelain, terrazzo and mosaics to a variety of surfaces.

Suitable for matted underfloor heating.



Product Code	Product Description
TIOFTA0001	Tio Flexi Tile Adhesive - 20kg

### Intended Use

BritFlex Rapidset is suitable for fixing different tiles including ceramics, slate, limestone, marble, porcelain, terrazzo and mosaics to a variety of surfaces. Moisture sensitive backgrounds must be sealed correctly before tiling and it is recommended that a suitable wet room system is used. If used externally then a solid bed method of fixing is recommended. BritFlex Rapidset is suitable for matted underfloor heating, and the heating element should be embedded in a layer of tile adhesive or self levelling compound and allowed to set prior to fixing tiles.

### Preparation

All surfaces must be free from loose matter, dry, clean from any dust or grease, fixed securely with screws to the supports and be dimensionally stable with no excessive movement. Wooden floors should be pre-strengthened with at least 15mm marine plywood mechanically fixed at 300mm centres.

### Mixing Ratio

Add 20kg of BritFlex Rapidset into a mixing vessel containing 5lt of clean cold water. BritFlex Rapidset should be mixed either by hand or with a mechanical mixer with water to form a smooth, lump free thixotropic paste. Mix as desired and allow to stand for 2 minutes before re-mixing for 30 seconds. Apply adhesive to the surface so that a continuous bed of adhesive between 3mm and 6mm is achieved. BritFlex Rapidset can be used up to 12mm in uneven areas.

### Technical

All work should be carried out in accordance to the following Codes of Practice:

- BS 8000: Workmanship on Construction Sites
- BS 5385: Wall and Floor Tiling
- APPLICATION TEMPERATURE: Between 5°C and 30°C
- POT LIFE: 40 minutes
- BEFORE GROUTING: 3 hours\*
- FULL USE: 24 hours\*

\*NOTE - The above times refer to site conditions of 20°C. These times will be increased at lower temperatures and reduced at elevated temperatures.

### Application

#### Plasterboard:

Ensure boards are securely fixed to the framework ideally screwed at 300mm centres and are rigid. The weight limit of plasterboard should be adhered to (32kg/m<sup>2</sup> maximum load). Prime with a 2:1 dilution of BritPrimer and clean cold water before tiling.

#### Gypsum Plaster:

Ensure surface is dry and dust free with less than 0.5% moisture. Allow new plaster to dry for a minimum of 4 weeks. Prime with BritPrim Grip which will seal and give a key to the surface (20kg/m<sup>2</sup> maximum load).

#### Brickwork, Blockwork and Render:

Ensure surface is fully cured and dry prior to tiling. Ensure the surface is free of contaminates. Prime the surface with a 1:1 dilution of BritPrimer and clean cold water before tiling.

#### Concrete Screeds:

Ensure surface is dry with less than 5% moisture. New concrete screeds must be allowed a minimum of 6 weeks drying time. Mechanically remove laitance from the surface of the concrete. Prime with a 1:1 dilution of BritPrimer and clean cold water before tiling. Very porous screeds may require a second coat applied 90° to the first.

#### Asphalt, Vinyl and Glazed Tiles:

Ensure surface is stable and suitable to receive a further surface coating. Remove all contaminates. Abrade the surface to provide a key. Prime the surface with BritPrimer diluted 1:1 with clean cold water mixed with approx 30% by weight of BritFlex Rapidset to form a slurry bond coat. Apply to floor and allow to dry before tiling commences.

**Timber - Tongue & Groove Floorboards:**

Ensure timber is structurally sound and capable of supporting the weight of the tiles/adhesive. Surface must be free of any contaminants. Boards must be securely fixed to supporting joists prior to overboarding with at least 15mm marine plywood screw fixed at 300mm centres. Apply one neat coat of BritPrimer and allow to dry until tacky before tiling.

**Cleaning**

Remove surplus adhesive with a damp cloth. Clean tools with water.

**Grouting**

Grouting should be carried out using BritFlexi Grout only after 3 hours and depending on site conditions.

**Coverage**

3.5kg/m<sup>2</sup> at approximately 3mm bed depth.

**Storage**

Store unopened in original packaging in cool, dry conditions.

BritFlex Rapidset has a shelf life of 12 months from the date shown on the packaging.

**Maintenance**

Brit Adhesives recommend the use of Bright Ideas range of tiling tools and floor maintenance products.

**Health & Safety****WARNING IRRITANT**

Contains Portland Cement.

Keep away from animals and children. Wet cement can cause irritation, dermatitis and/or burns.

Wear suitable protective clothing, gloves, eye/face protection.

**ALWAYS WEAR PROTECTIVE WORKWEAR**

Grey BritFlex Rapidset contains a reducing agent to control levels of Chromium VI. If stored correctly the activity of the reducing agent will be maintained and the product when mixed with water will produce no more than (0.0002%) 2ppm soluble Chromium VI of the total dry weight of the cement. Use of the product after the end of the declared shelf life may increase the risk of an allergic reaction.

**Note** - The information given is without prejudice and is believed to be accurate and complete. Brit Adhesives goods are guaranteed against defective materials but we have no control over the site conditions, misuse of the product or the quality of the workmanship. Brit Adhesives accepts no liability for any direct or indirect consequential loss or damages arising or resulting from the use of this information. Timber subfloors should be installed according to manufacturers' instructions and site conditions should be taken into consideration.