

# RAPID SET GREY

## FLEXIBLE WALL & FLOOR TILE ADHESIVE



- Underfloor heating
- Sets in 3 hours
- Tile backer boards
- Flexible
- Lifetime guarantee
- All tile types
- Interior & exterior
- Conforms to  
BS EN 12004 C2F

# RAPID SET GREY

## Flexible Wall & Floor Tile Adhesive

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### DESCRIPTION

Cliftonite Grey Rapid Set Flexible Wall & Floor Tile Adhesive is a grey cement-based thin bed adhesive designed for fixing fully vitrified porcelain, ceramic and dark coloured\*\* natural stone tiles to a variety of building surfaces. It is water and weather resistant and is suitable for both internal and external locations. It has a setting time of 3 hours at 20°C permitting early trafficking of the tiled installation. The adhesive has excellent thermal ageing properties and is particularly suitable for heated floors.

### Conforms to BS EN 12004 C2F

\*\* Light coloured or translucent natural stone should be fixed using Cliftonite White Rapid Set Flexible Wall & Floor Tile Adhesive

### SURFACE PREPARATION

All surfaces should be dry, clean and strong enough to support the tiles to be fixed. Tiling substrates should be true and flat to permit fixing without visible lipping of tile edges. On floors, any gaps exceeding 3mm under a 2 metre straight edge should be corrected using Cliftonite 3-50mm Floor Leveller. This will be particularly appropriate where larger tiles or those with rectified edges are being installed. Porous or dusty surfaces must be sealed using a suitable SBR primer diluted 1:4 with water.

#### Concrete/Cement: Sand Screed

New concrete floors must be allowed to dry for a minimum of 6 weeks. Residual traces of laitance and curing agents should be mechanically removed before tiling commences. Screeds should be a minimum of 21 days old.

#### Cement: Sand Render

Must be at least 14 days old. New render should not be applied to new masonry walls until 6 weeks after the brick or blockwork has been completed. This allows for drying shrinkage to have taken place. In cold conditions these times will be extended.

#### Anhydrite & Hemihydrate (Gypsum) Screeds

These must be cured to their respective manufacturers directions before tiling can begin. The surface must be free from laitance and primed using progressively stronger coats of a suitable SBR primer as follows: first coat diluted 1:1 parts water. Allow to dry, then 2nd coat applied as neat SBR primer.

#### Heated Floors (Dense Construction)

Cliftonite Grey Rapid Set Flexible Wall & Floor Tile Adhesive is suitable for use with underfloor and undertile heating systems, which on solid

floor structures after tiling, should not be switched on for at least 14 days and then brought up to operating temperature gradually during the initial heating of the floor. Undertile heating cables and mats can be tiled directly or prior to tiling they can be bedded into a screed of Cliftonite 3-50mm Floor Leveller. This method prevents damage to the heating elements during the laying process.

#### Thermoplastic Floor Tile/Vinyl Sheet

If well stuck down and in good condition, these should be degreased and sealed with an SBR primer mixed 1 to 2 parts of this product to form a slurry coat and then allowed to dry.

#### Asphalt (Internal Only)

Flooring grade asphalt can be tiled directly with Cliftonite Grey Rapid Set Flexible Wall & Floor Tile Adhesive providing it is in good condition, clean and able to support the tiling.

#### Gypsum Plasterboard\*\*

Seal with an SBR primer prior to tiling.

#### Gypsum Plaster\*\*

Must be sealed with first coat diluted 1:1 parts water, allowed to dry, then 2nd coat applied as neat SBR primer.

\*\*In wet areas or those of intermittent wetting such as shower areas, moisture sensitive backgrounds such as plaster should be waterproofed using a preparatory tanking membrane.

#### Glazed Surfaces

These must be well fixed and able to support the additional weight of tiling, clean, dry and free from grease. The old glazed surface must be thoroughly degreased and a slurry bonding coat made of 1 part of a suitable SBR primer and 2 parts Cliftonite Grey Rapid Set Flexible Wall & Floor Tile Adhesive should be brushed onto the surface and allowed to dry. This will provide a key onto which the adhesive layer can bond.

#### Tile Backer Boards

##### (Water & Boil Proof WBP Grade) Internal Tiling Only

Tile Backer boards should be over-laid onto a suitably rigid structure, such as well-braced 15mm waterproof ply-board screw fixed at 300mm centres to rigidly braced supporting battens 300mm centres and 150mm centres along board edges. The sheets must be sealed on the back, face and edges with a suitable SBR primer. All timber constructions must be adequately ventilated behind to prevent atmospheric moisture distortion and warpage of the boards themselves as described in the Tiling Code of Practice BS 5385.

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### MIXING

Into a clean bucket, add 1 part of cold water and gradually introduce approximately 3.5 parts of adhesive powder (approximately 5 litres per 20kg sack) stirring to blend the mixed mortar to a smooth lump free consistency. The properly mixed mortar will be thick enough to hold the adhesive ribs without slumping. Mix only enough material that can be used within the pot life of the product which will be around 30 minutes – this will be extended in cold conditions and reduced in hot weather / warm temperatures.

### APPLICATION

Using a suitably notched trowel, spread the adhesive onto the fixing surface to form parallel ribs into which the tiles should be applied with a firm twisting action. Spread only enough material that remains workable and as such fully wets out on the tile backing. Solid bed void-free fixing will be necessary on floors and in wet areas. Tiles with deeply keyed back profiles may need to be back buttered. The adhesive is designed for thin bed fixing up to 6mm although in isolated areas it can be bedded out up to 10mm in thickness. Tiles may be grouted as soon as the adhesive bed is set. Under normal conditions this will be around 3 hours after fixing although this will be extended in cold conditions. Do not use below 5°C for the duration of the curing process.

### COVERAGE

On true surfaces with small tiles <200 x 200mm on walls approx. 2.75kg per m<sup>2</sup> and on floors approx. 3.3kg per m<sup>2</sup>. With larger tiles > 330 x 330mm on walls approx. 3.3kg per m<sup>2</sup> and on floors approx. 4kg per m<sup>2</sup>.

### STORAGE

Store in dry internal conditions away from direct sunlight between 5°C to 25°C. The product has a 12 month shelf life from date of manufacture.

### TECHNICAL ADVICE

For advice on tile installation products call our Technical helpline on 0151 336 9104.

### HEALTH AND SAFETY

CONTAINS CHROMIUM VI  
DANGER



Causes skin irritation. Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation. Keep out of reach of children. Avoid breathing dust. Wear protective gloves and eye protection. Wash hands thoroughly after handling. IF SKIN IRRITATION OCCURS: Get medical advice/attention. IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician.

Dispose of contents/container in accordance with local/regional regulations. Repeated exposure may cause skin dryness and cracking. Contains Chromium (VI). May produce an allergic reaction. To avoid risks to human health and the environment, comply with instructions for use. Safety data sheet is available on request.

REFER TO PRODUCT AND SAFETY DATA SHEET FOR FULL DETAILS.

<b>CE</b>	<b>UK CA</b>	<b>UK NI</b>
Clifton Trade Bathrooms Ltd, Bury Road Industrial Estate, Brightmet, Bolton, BL2 6PX <b>13</b>		
<b>EN 12004 : 2007 + A1 : 2012</b> Improved fast setting cementitious adhesive with additional characteristics for internal and external tiling		
<b>Reaction to fire</b>		Class E
<b>Release of dangerous substances</b>		See SDS
<b>Bond strength as:</b>		
- Early tensile adhesion strength		≥ 0.5N/mm <sup>2</sup>
- High initial tensile strength		≥ 1N/mm <sup>2</sup>
<b>Durability for:</b>		
- High tensile adhesion strength after heat ageing		≥ 1N/mm <sup>2</sup>
- Tensile strength after water immersion		≥ 1N/mm <sup>2</sup>
- Tensile adhesion strength after freeze/thaw cycles		≥ 1N/mm <sup>2</sup>