

PORCELAINFIX

POLYMER MODIFIED RAPID SETTING ADHESIVE FOR WALLS AND FLOORS - Conforms to BS EN 12004 C2FT



DESCRIPTION:

Polymer modified cement based adhesive for fixing of tiles to a variety of substrates. This product is particularly suitable for fixing porcelain and fully vitrified tiles without the need for an admix. The product sets in 40 minutes and can accept light foot traffic in 2 hours at 20°C. This cement based adhesive is suitable for fixing a variety of floor and wall tiles such as ceramics, slate, quarries, porcelain, vitrified, semi vitrified, limestone, terrazzo and mosaics to a variety of surfaces without an admix. When set, the adhesive is water resistant and is suitable for use in swimming pools. The product can be used between 3mm and 6mm bed thickness with up to 12mm in uneven areas. Solid bed method of fixing is recommended for external areas.

PREPARATION:

Before commencing, all surfaces must be clean, dry and strong enough to support the weight of the tiles and the adhesive. Remove all loose dust, dirt, oil, grease and other contaminants likely to affect adhesion.

UNDERFLOOR HEATING:

On concrete floors, the heating element should be embedded in a layer of adhesive and allowed to set prior to fixing tiles.

TILE FIXING:

Add 4 Parts PorcelainFix to 1 Part cold clean tap water by weight in a clean mixing vessel. Mix to a smooth creamy consistency either by hand or using a slow mechanical mixing paddle. Mix only sufficient that can be used in 40 mins. Product that has started to set must be discarded. Apply adhesive to the floor using a notched trowel such that a continuous bed of adhesive between 3mm and 6mm is achieved when tiles are applied. Adhesive should also be applied to the back of deep studded tiles to cover the studs. Ensure the adhesive is still moist when tiles are pressed into place. Check occasionally there is good transfer of adhesive onto the back of the tile. Clean surplus adhesive from the tiles and joints as soon as possible as set adhesive will prove difficult to remove later. Clean all tools after use.

GROUTING:

Should not be carried out until adhesive has set after 2 hours approx depending on site conditions. Granfix 1 Part Grout is recommended.

APPLICATIONS:

New Brickwork, Blockwork and Concrete: Must be fully cured and dry prior to tiling. Direct fixing is possible provided the wall is reasonably flat.

Screeds and Render: Should be left 14 days prior to fixing.

Existing Glazed Tiles, Unglazed Tiles, Quarry Tiles and Terrazzo: Ensure tiles are firmly fixed and all surface treatments and contamination is removed. On floors, mix 1 part Granfix Acrylic Bonding and Priming Agent to 1 part ordinary portland cement and apply to floor before tiling commences.

Plaster Surfaces: Ensure surface is free from any loose matter. Prime surface with 2 neat coats, Granfix Acrylic Bonding & Priming Agent.

Plasterboard: Must be structurally sound with all movement minimised and be able to take the weight of adhesive and tiles (32kg/m² maximum load). No priming required

Asphalt, Vinyl Tiles and Sheet Vinyl: Ensure surface is firm, hard and dry. Remove all polishes, grease dust and dirt. Abrade the surface with sandpaper to provide a key. Apply 1 coat of Granfix Acrylic Bonding and Priming Agent neat and allow to dry prior to fixing tiles.

Timber Floors: Must be capable of supporting the weight of the tiles and the adhesive. Surface must be sound, dry and flat. Boards must be firmly fixed to supporting joists prior to overlaying with 15mm exterior grade plywood screw fixed at 150mm centres. Apply 1 coat of Granfix Acrylic Bonding and Priming Agent diluted 1:1 with water prior to fixing.

Anhydrite Floor Screeds: Ensure surface is clean and free from loose matter. Seal the surface with 2 neat coats of Granfix Acrylic Bonding and Priming Agent.

Power Floated Concrete: Ensure surface is clean and free from loose matter. No priming is required, however on very shiny surfaces, acid etching may be required.

FLOOR MAINTENANCE:

The floor should be maintained with Granfix EasiCare products.

PACK SIZES: 10Kg and 20Kg

COLOUR: Grey

COVERAGE: 3.5Kg per metre² at 3mm bed thickness

STORAGE: Store unopened in cool dry conditions

SHELF LIFE: Stored correctly, this product has a shelf life of 12 months from the date shown on the packaging.

TECHNICAL NOTES:

All work must be carried out in accordance with British Standard Code of Practice for floor and wall tiling BS5385.

Grey PorcelainFix contains a reducing agent to control the level of Chromium VI. When 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 Chromium VI of the total weight of the dry cement. Use of the product after the end of the declared shelf life may increase the risk of an allergic reaction.

TECHNICAL DATA:

Suitable for under floor heating:	Yes
Bulk density of powder:	1.6Kg per Litre
Weight of wet mortar:	1.8Kg per Litre
Setting time:	Vicat tester (initial) 40 mins
	Vicat tester (final) 120 mins
Tensile strength:	6 Hours >0.50N/mm ²
	12 Hours >0.75N/mm ²
	24 Hours >1.00N/mm ²
Application temperature:	Between 5°C and 30°C

Service Conditions:	-20°C to +50°C
Pot Life:	40 mins at 20°C
Open Time:	20 mins at 20°C
Before Grouting:	2 hours*
Light Foot Traffic:	3 hours*
Full Use:	24 hours*

*Note: All times refer to site conditions of 20°C. These times will be increased at lower temperatures and reduced at elevated temperatures.

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