

AnhyFix

Gypsum Based, Flexible, Rapid Setting Floor & Wall Tile Adhesive

- Developed specially for fixing tiles to anhydrite & calcium sulphate screeds
- Walk on and grout after 3 hours
- Suitable for fixing ceramic, porcelain and natural stone tiles
- 100% compatible with any gypsum based substrate (Plastered Walls, Anhydrite Screeds)
- Ideal for use with Underfloor Heating Systems
- Improved slip resistance, ideal when fixing large format tiles
- Less preparation than a cement based tile adhesive onto Anhydrite Screeds
- Can be grouted with Tilemaster Grout 3000 or Tilemaster Flexigrout
- 3mm – 12mm bed depth

100%
Compatible with
**ANHYDRITE
SCREEDS**

Equivalent
to
**C2 FT S1
Flexible**

Walk on
and grout
after
3 hours



TILEMASTER AnhyFix

Gypsum Based, Flexible, Rapid Setting Floor & Wall Tile Adhesive

DESCRIPTION:

Tilemaster AnhyFix is a gypsum based, polymer modified, flexible rapid setting floor and wall tile adhesive. Tilemaster AnhyFix has been specially formulated for fixing a large variety of tiles such as ceramic, porcelain and natural stone to anhydrite/calcium sulphate screeds and gypsum based substrates such as gypsum plaster and plasterboard.

Tilemaster AnhyFix is a flexible adhesive and is suitable for use over underfloor heating systems. Its rapid setting capability allows for light foot traffic and grouting after 3 hours.

Tilemaster AnhyFix can be applied to anhydrite/calcium sulphate screeds with 85% Relative Humidity (RH) or less. Unlike cement based adhesives, Tilemaster AnhyFix is 100% compatible with anhydrite/calcium sulphate screeds. Tilemaster AnhyFix is suitable for use in internal locations only where dry conditions exist.

NB: It is not suitable for use in wet areas such as showers, wet rooms and swimming pools. Tilemaster AnhyFix cannot be used on cement based substrates such as sand/cement screeds, concrete or cement coated/based tilebacker boards.

TILES:

✓ Ceramics	✓ Slate	✓ Mosaics
✓ Porcelain	✗ Quartz	✓ Quarry
✓ Marble	✓ Granite	
✓ Travertine	✗ Composite	
✓ Limestone	✓ Terracotta	

SUBSTRATES:

- ✗ Sand/Cement Screed
- ✗ Concrete
- ✓ Plywood Overlay (12mm min)
- ✓ Electric Underfloor Heating
- ✓ Water/Wet System Underfloor Heating
- ✗ Tile Backer Boards
- ✗ Existing Ceramic, Porcelain and Natural Stone Tiles
- ✓ Flooring Grade Asphalt & Bitumen*
- ✓ Anhydrite Screeds
- ✓ Plaster
- ✓ Plasterboard
- ✗ Fibre Cement Sheet
- ✗ Cement/Sand Render
- ✗ Concrete Brick/Block
- ✗ T & G Floorboards
- ✗ Floating Floors
- ✓ Existing Vinyl Tiles*
- ✗ Steel/Metal Surfaces
- ✗ Fibreglass
- ✗ Green Screed



* Prime with Prime+ Grip

NOTE:

Tilemaster AnhyFix is suitable for use with natural stone tiles but suitability with very porous and sensitive natural stone tiles must be tested prior to use. Confirmation of suitability should be sought from the supplier of the natural stone tiles or alternatively, please contact our technical department on 01772 456831, we will be happy to assist.

PREPARATION:

Before starting, all substrates must be clean, dry and strong enough to support the weight of the tiles, tile adhesive and grout. Remove all dust, dirt, oil, grease and other contaminants that may affect adhesion.

MIXING & APPLICATION:

Only mix small quantities at a time until you have become accustomed to the fast setting nature of the product. Always mix powder to water and mix to a smooth and lump free consistency. As a guide for powder to water ratio, 20kg of powder requires approximately 4.8 – 5.2 litres of water. Never add water after initial mixing, as this will impair the strength of the adhesive. Product that has started to set must be discarded.

NB: When fixing large format tiles, natural stone tiles and tiles that have deep studs on the back, you must skim the back of the tile with a thin 1 – 2mm layer of adhesive, this is referred to as back buttering. This will significantly improve the bond strength.

On a flat, even substrate where dry conditions exist, apply adhesive to the substrate as a thin floated coat at a uniform thickness of 3mm – 6mm and then rib / comb out using a suitable notched trowel. Where substrate conditions do not allow thin bed fixing, Tilemaster AnhyFix can be applied to a maximum bed thickness of 12mm. Ensuring the adhesive is still moist, bed tiles into adhesive using a twisting action ensuring full coverage of adhesive between tile and substrate. Regular checks should be made to make sure that there are no voids in the adhesive bed.

Clean surplus adhesive from the tiles and joints as soon as possible as set adhesive will prove very difficult to remove later.

Clean tools after use with water.

GROUTING:

Do not start grouting until the adhesive has set. This time can vary depending on temperature and site conditions. Impervious surfaces may extend the set time. In ideal conditions grouting can begin after 3 hours. If you are tiling an area of limited movement or underfloor heating, you must use a flexible such as Tilemaster Grout 3000 or Tilemaster Flexigrout.

If you are unsure with any of our instructions please call our Technical Helpline on 01772 456831, we will be happy to assist.

Tilemaster Adhesives Ltd.

Unit 4, Tomlinson Point, Tomlinson Road, Leyland, Lancashire, PR25 2DY.

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SUBSTRATE PREPARATION GUIDE:

Flooring Grade Asphalt/Bitumen: Ensure that the flooring grade asphalt/bitumen is in good condition and that there are no signs of debonding and/or hollowness. Make sure the surface is dry and free of any contaminants, loose dust or dirt. Prime the surface with one coat of Tilemaster Prime + Grip and allow to dry.

Gypsum Plaster: New plaster must be allowed to dry for a minimum of 4 weeks. Ensure the surface is dry and free of any contaminants, loose dust or dirt. If the plaster has a polished/shiny surface, brush with a stiff bristle brush to abrade/roughen the surface prior to application. Prime the surface with Primeplus, diluted 3 parts water to 1 part Tilemaster Primeplus. The combined weight of the tile, tile adhesive and grout should not exceed 20kg /m².

Gypsum Plasterboard: Ensure the surface is dry and free of any contaminants, loose dust or dirt. Prime the surface with one coat of Tilemaster Primeplus diluted 3 parts water to 1 part Tilemaster Primeplus and allow to dry. The combined weight of the tile, tile adhesive and grout should not exceed 32kg /m².

Plywood Overlay: Prior to tiling, ensure that new or existing boards are dry, i.e. conditioned to the environment in which they will be used. Plywood must be 12mm (minimum), flooring grade, screwed (not nailed) to substrate at 6 inch/150mm centres. Ensure there is sufficient ventilation beneath substrate and that the plywood has been fitted competently and will take the weight of the tiles, tile adhesive and grout. Ensure the surface is dry and free of any contaminants, loose dust or dirt. Existing and/or lightly contaminated plywood requires priming with Tilemaster Primeplus diluted 3 parts water to 1 part Tilemaster Primeplus. New, uncontaminated plywood does not require priming prior to tiling.

Underfloor Heating Systems: When tiling onto existing underfloor heating you must switch the heating off 48 hours prior to tiling to allow the substrate to cool sufficiently. When tiling has been completed allow 1 week for full cure of tile adhesive and grout before switching the heating on. When doing so, start with a low temperature and gradually increase the temperature on a daily basis by no more than 2°C per day.

When tiling on to a new electric element underfloor heating system, the electric underfloor heating mat/element must be embedded into a self-levelling compound such as Tilemaster Anhylevel in order to protect the heating element and to leave a perfect surface on which to apply tiles. Again, allow one week for full cure before switching the heating on, start with a low temperature and gradually increase the temperature on a daily basis by no more than 2°C per day.

Underfloor Heated Screeds should be commissioned prior to tiling. Turn on the heating system at a low temperature and heat the screed gradually by no more than 5°C per day until a maximum temperature of 25°C is achieved. Maintain this temperature for 3 days and then switch the heating off 48 hours prior to tiling to allow the substrate to cool sufficiently. Alternatively, in cold conditions, reduce the temperature of the screed to below 15°C prior to tiling. When tiling has been completed allow 1 week for full cure of tile adhesive and grout before switching the heating on. When doing so, start with a low temperature and gradually increase the temperature on a daily basis by no more than 2°C per day.

Anhydrite/Gypsum Screed: Anhydrite/Gypsum screeds must be confirmed dry via consistent moisture readings across the whole floor. As an approximate guide for drying times, allow 1 day per mm up to an overall depth of 40mm and 2 days per mm for anything above 40mm. The drying of anhydrite/gypsum screeds can be assisted by commissioning the underfloor heating system, for further information, please contact our Technical Helpline. All anhydrite/gypsum screeds must be mechanically sanded/abraded prior to tiling in order to remove the laitance from the surface of the screed.

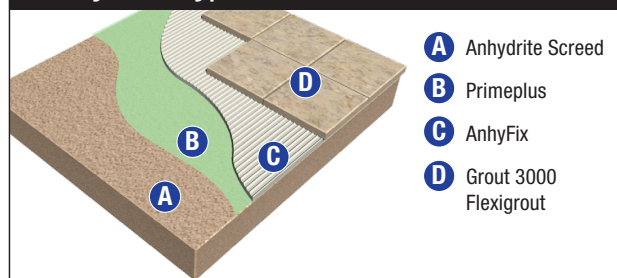
When using Tilemaster AnhyFix, the residual moisture content of the screed must be less than 1.0%. Alternatively, the relative humidity must be 85% or below. Once these levels have been reached and the surface is free of any contaminants, loose dust or dirt, prime the surface with one coat of Tilemaster Primeplus diluted 3 parts water to 1 part Tilemaster Primeplus and allow to dry.

Existing Vinyl Tiles/Sheet Vinyl: Make sure the existing vinyl tiles/sheet vinyl is firm, stable and well adhered to the substrate to which the vinyl was originally applied to. Ensure the surface is dry and free of any contaminants, loose dust or dirt. Existing vinyl that has been previously treated with sealer must be sufficiently cleaned in order to remove any surface treatments. Prime the surface with one coat of Tilemaster Prime + Grip and allow to dry.

Technical Data

Water Addition:	4.8 – 5.2 litres of water to 20kg AnhyFix
Coverage:	20kg will cover 5 – 6m ² at 3mm thin bed application
Pot Life at 20°C:	Approximately 45 - 60 minutes
Grout After:	3 hours
Application Temperature:	+5°C to +30°C
Colours:	Off White
Pack Sizes:	20kg

Anhydrite/Gypsum Screeds



Preparation:

- Anhydrite screeds often dry with laitance on the surface, the laitance is a weak layer that is often shiny in appearance and looks like a hard crust. The laitance must be removed before tiling commences by mechanically sanding and/or abrading the surface of the screed using a floor sander with a 50's – 60's grit sandpaper
- Once the laitance has been removed, the screed should be vacuumed to remove all loose dust, dirt and contaminants

Moisture Testing & Drying of the Screed:

- Anhydrite screeds must be confirmed dry via consistent moisture readings across the whole floor. When using AnhyFix adhesive, the residual moisture content of the screed must be less than 1% or alternatively the relative humidity must be 85% or below. As an approximate guide for drying times, allow 1 day per mm up to an overall depth of 40mm and 2 days per mm for anything above 40mm
- The drying of anhydrite screed can be assisted and accelerated once the screed is 7 days old by commissioning the underfloor heating system. Commission the system by turning on the heating at a low temperature and then gradually increase the temperature by no more than 5°C per day until a maximum temperature of 25°C on the thermostat is achieved. Maintain this temperature for a minimum of 3 days and then switch the heating off 48 hours prior to tiling to allow the substrate to cool sufficiently. Alternatively in cold conditions, reduce the temperature of the screed to below 15°C prior to tiling
- The drying of anhydrite screeds can also be accelerated with the use of dehumidifiers

Priming:

- When using AnhyFix adhesive, prime the surface of the screed with one coat of Primeplus diluted 3 parts water to 1 part Primeplus and allow to dry. Alternatively prime the surface with one coat of Prime + Grip and allow to dry

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