

Cemfix Tile Plus

General purpose cement based tile adhesive



DESCRIPTION

Cemfix Tile Plus is a general purpose, cement based tile adhesive for bonding all types of ceramic tiles and on most common construction substrates for internal applications.

Cemfix Tile Plus is supplied in the form of white or grey powder that is ready to use with the addition of water to provide a good workable and easy to apply tile adhesive.

Since it has excellent slip resistance properties, Cemfix Tile Plus is suitable to be applied vertically without sagging and with no need for using spacers for normal sized tiles.

APPLICATIONS

- › Installation of ceramic tiles on floors and walls at indoor areas.
- › On concrete, cement based mortar, screed and plaster.
- › On drywall such as gypsum boards and fiber cement boards.

ADVANTAGES

- › High bond strength.
- › Easy to apply, non-sag with good workability for wall and floor applications.
- › Ready mixed, just requires the addition of water.
- › Economical
- › Provides excellent open time.

STANDARDS

Cemfix Tile Plus complies with ISO 13007-1 and BS EN 12004 as a normal cementitious tile adhesive for internal applications, with slip resistance (C1T).

LIMITATIONS

Do not use for:

- › For outdoor applications.
- › With underfloor heating systems.
- › Large format or heavy tiles.
- › Continuously submerged conditions.
- › Thick bed application.
- › Tile over tile applications.
- › Cases that require a rapid utilization for the surfaces.
- › On metal, rubber, PVC or wood substrates.

Note:

For highly impervious tiles such as glass mosaics or full body porcelain tiles, Cemfix Tile Plus should be mixed with Cemfix Enhance to improve the adhesion characteristics. Refer to Cemfix Enhance's datasheet or consult DCP Technical Department for more information.

TECHNICAL PROPERTIES. W/P = 0.27:

Colour:	White or grey
Fresh wet density:	1.80 ± 0.10 g/cm ³
Open time: ISO 13007-2, 4.1	20 min
Pot life:	2 hr @ 25°C
Tensile adhesion strength: ISO 13007-2, 4.4.4.1 & 2	> 0.5 MPa @28 days
Slip: ISO 13007-2, 4.2	< 0.5 mm
VOC: ASTM D2369	< 10 g/ltr (comply with LEED)

METHOD OF USE

SUBSTRATE PREPARATION

All surfaces must be clean, dry and free from dust, oil, grease, paints or any loose material. Concrete and cement based substrates must be sufficiently cured and dimensionally stable. Allow time for shrinkage and structural strain movements.

Gypsum boards, plaster boards, anhydrite screeds, or any highly absorbent cement based substrates such as hollow blocks and foam concrete must be sufficiently dry and free from dust.

These substrates must be primed with two layers of Keybond 2000 as follows:

- Seal the surface using diluted Keybond 2000 at a 1:2 ratio (1 part Keybond 2000 to 2 parts water), brush it vigorously into the prepared surface, ensuring all pores and voids are filled, and allow it to dry.
- Apply a second layer using undiluted Keybond 2000 to the sealed surface using a brush.

Ensure that the tile adhesive is applied while the Keybond 2000 is still tacky. Tiles should not be placed over expansion and contraction joints, these joints should be filled with a suitable flexible sealant from the DCP Flexseal range.





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MIXING

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

6.5 - 7.0 litres of clean fresh water for each 25 kg bag (water/powder ratio of 0.26 - 0.28 by weight) should be added to a clean container. The powder is then added slowly to the water while mixing continuously at low speed (400 - 600 rpm).

Mixing time should be continued for 3 minutes until a uniform consistency and free of lumps mixture is obtained. Allow a slake time for 2 - 3 minutes, then remix for additional 1 minute without adding any more water.

APPLICATION

- » Apply a thin layer of the adhesive onto the substrate using the flat edge of the trowel.
- » Comb the adhesive with a suitable notched trowel horizontally to achieve a bed thickness of 2 - 5 mm.
- » Place the tiles with firm pressure to ensure proper contact with the adhesive.
- » It is always better to work in a manageable area that can be tiled within the open wet time of the adhesive.
- » Leave the tiled surfaces for 24 hours before grouting.

Note: Do not apply at temperature below 2°C.

CLEANING

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

PACKAGING

Cemfix Tile Plus is available in 25 kg bags.

YIELD

Approximately 8.75 - 8.90 m²/25 kg bag @ 2 mm thickness.

STORAGE

Cemfix Tile Plus has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, contact DCP Technical Department for advice.

CAUTIONS

HEALTH AND SAFETY

As Cemfix Tile Plus contains Portland cement and sand, Cemfix Tile Plus may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information, refer to the Material Safety Data Sheet.

FIRE

Cemfix Tile Plus is nonflammable.

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