

Cemfix® TB Plus

High thick-bed tile adhesive for thicknesses up to 20 mm



DESCRIPTION

Cemfix TB Plus is a grey or white blend of cement, well graded aggregates and special additives that forms when mixing with water a good workable tile adhesive excellent for fixing tiles and stone on floors up to 20 mm thickness with no need for previous leveling internally or externally.

APPLICATIONS

- » For permanent fixing of tiles and natural stone on irregular floor surfaces up to 20 mm thickness.
- » Installing of natural stone and tiles with large thicknesses variation over all common construction substrates.
- » Suitable for internal and external applications.
- » Can be used in wet or dry areas.
- » Can be used with underfloor heating systems.

ADVANTAGES

- » Specially designed to accommodate thick bed applications
- » Good bond strength
- » Easy to apply, non-sag with good workability
- » Ready mixed, just requires the addition of water.

LIMITATIONS

Do not use for:

- » Continuously submerged conditions.
- » Tile over tile applications.
- » Cases that require a rapid utilization for the surfaces.
- » On metal, rubber, PVC, or wood substrates.

STANDARDS

Cemfix TB Plus complies with ANSI A118.1 for shear strength requirements.

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.

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.

TECHNICAL PROPERTIES. W/P = 0.30:

Colour:	White or grey
Fresh wet density:	1.8 ± 0.1 g/m ³
Open time: ANSI A118.1,4.4	≥ 55 min
Pot life:	2 hr
Adjustability: ANSI A118.1,4.5	≥ 40 min
Shear strength to impervious tile: ANSI A118.1,5.2.2	≥ 1.2 MPa @ 28 days
Shear strength to impervious tile: ANSI A118.1,5.2.3	≥ 0.7 MPa after water immersion
Slip: ISO 13007-2,4.2	< 0.5 mm
VOC: ASTM D2369	< 5 g/ltr

MIXING

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

5.8 - 6.2 litre of clean fresh water for each 20 kg bag (water/powder ratio of 0.29 - 0.31 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

Thin bed applications

- » Apply a 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 up to 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.

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Thick bed applications

- » The mixed adhesive shall be spread evenly on the floor substrate by stainless steel trowel and tamped well in place at a thickness of 10 mm.
- » Additional 10 mm thick mortar shall be back-buttered onto the back surface of the tile to achieve a total thickness of 20 mm.
- » Place the tiles with firm pressure over the applied area to ensure proper contact with the adhesive.
- » Leave the tiled surfaces for 24 hours before grouting.

CLEANING

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

REMARKS

- » Do not apply at temperature below 2°C.
- » For large format and heavy tiles on walls where the weight of the tiles cannot be supported by the adhesive, apply the product using the thin bed method and follow a bottom-up approach. If more than two rows of tiles are to be fixed simultaneously, the tiles are to be mechanically supported using temporary anchor nails in between tile gaps or by using inclined support stud.

For further information please contact your local DCP Representation Office.

PACKAGING

Cemfix TB Plus is available in 20 kg bags.

YIELD

1.4 m²/20 kg bag @ 10 mm thickness.

STORAGE

Cemfix TB 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, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

As Cemfix TB Plus contains Portland cement and sand, Cemfix TB 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 TB Plus is nonflammable.

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- » Surface treatments
- » Grouts and anchors.
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- » Flooring systems.
- » Protective coatings.
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- » Tile adhesives and grouts.
- » Building products.
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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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