COSTAR TILE FIX 10 FLEX. C1T

Ready to use cementitious, non-vertical slip tile adhesive with water resistant properties for bonding Ceramic/vitrified tiles
C1T CLASSIFIED ACCORDING TO EN 12004

COSTAR TILE FIX 10 FLEX

Description

Costar Tile Fix 10 Flex is a high polymer modified tile adhesive with water resisting properties, specially formulated for fixing low porosity vitrified tiles and ceramic tiles on the floor of normal size in internal and external areas. The adhesive can be used for fixing ceramic tiles on wall and floor and is suitable for dry as well as wet areas for internal and external application. This is also suitable for tile-on-tile application for fixing vitrified tiles on pre-existing ceramic tile floors.

Advantages

- High Bond strength.
- The free-flowing product makes it easier to mix and apply, easy-to-use.
- Useful for bed thickness of 3-15* mm. May go up to 15 mm in a limited extent for wall & floor application.
- Thixotropic formula - no sag, for the easy application on the wall.
- Low VOC – For a healthy living.
- For installation of vitrified tiles on the floor.
- Suitable for Tile-on-tile application of vitrified tiles on pre-existing ceramic tile floors.
- Self-curing properties, this allows for no-hassle application, with minimum labour.
- No hacking of the substrate required to achieve the required bonding.
- To be applied internally and externally on ceramic flooring and indoor walls.
- Suitable for ceramic tiles with a medium-high absorption rate.
- Non slip. Excellent initial adherence.
- Excellent Waterproofing and water resisting properties; adding a bonus benefit.

Areas of Use

- Laying tiles over cementitious waterproofing.
- Tiling of interior and exterior facades of the building which are exposed to outside weather conditions.
- Bonding of tiles on existing tiles
- All type of low and high absorption tiles
- Suitable for both vertical and horizontal application
- Suitable for normal sized ceramic and vitrified tiles.
- In tiling of sound surfaces of concrete and non-sand surfaces such as; gypsum bond, particle board, plywood and other large scale stones.

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Appearance

Grey/White Powder

Application

Surface Preparation:
Surface must be cleaned from any loose particles, dust, grease, oil, scale and rust. The curvatures/slopes on horizontal and vertical surfaces should be levelled with a bedding/ repair mortar (Costar Repair Mortar 10 or Costar Repair Mortar 20)

Product Preparation:
20Kg of Costar Tile Fix 10 Flex should be mixed with 4liters of water. Add water into a clean container and sprinkle Costar Tile Fix 10 Flex slowly into the liquid while mixing continuously until a smooth, lump free mix is obtained. Always add powder to liquid.
The mortar should then be le to rest for 5 minutes and the mixing process should be repeated later until the desired consistency is achieved.

Placing the Tiles:
A thin layer of Costar Tile Fix 10 Flex should be applied onto the surface. For tiles up to 60×60 cm in size, 12mm trowel is recommended. To ensure no voids occur and full coverage of adhesive is achieved, tile should be pressed into adhesive giving twisting and front and back sliding moon. In order to compensate for uneven surfaces or tiles with uneven thickness, in addition to applying adhesive on substrate, the rear of the tiles should also be applied with Costar Tile Fix 10 Flex.

Filling the Joints:
Grouting should commence not before 24 hours with Costar Premium Tile Grout.

Composition:
Product based on high resistance cement, selected aggregates, additives and synthetic resins that guarantee a high bonding strength, workability and resistance to ageing.

Notched-Trowel Panel:

TILE FORMAT	NOTCHED TROWEL	BONDING
<100cm²	U4 (4 x 4 x 4)	Single
<450cm²	U6 (6 x 6 x 6)	Single
<900cm²	U6 (6 x 6 x 6) / U9 (9 x 9 x 9) ó n10	Double-Single
>900cm²	U9 (9 x 9 x 9) ó n10	Double

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Technical Information

Tensile Adhesion Strength	Standard Condition≥ 0.5 N/mm²(BS EN 1348:2007) Heat Ageing≥ 0.5 N/mm² Water Immersion≥ 0.5 N/mm² Freeze Thaw≥0.5 N/mm² C1TUNE (EN 12004:2008)
Slip Resistance	≤ 0.5 mm (EN 1308:1999)
Open time	≥ 0.5 N/mm² at 25 minutes (EN 1346:1997) Open time is approximately 25 at 23 °C
Adjustment time	Once the tiles are placed into the mortar, they can be adjusted for ~ 20 minutes (at +23 °C).
Set Time	18 – 24 hours
Layer Thickness	10 mm max.
Ambient Air Temperature	+5 °C min. / +40 °C max.
Substrate Temperature	+5 °C min. / +40 °C max.
Consumption	This depends on the level, profile and surface roughness of the substrate, the size of the tiles and the technique of placing (simple placing or "back"-buttering). As a guide, in kg of powder per m² in flat surfaces: Mosaics and small tiles 2.0–4.5 kg/m² Normal size tiles (20 cm x 20 cm) 4.5–9.0 kg/m² The information above may only serve as a guideline. It is highly recommended to run a trial on site to determine the actual coverage and consumption per m².
Applied Product Ready for Use	At +25 °C Before jointing works Min. 24 hours Before opening to light foot traffic Min. 24 hours opening to full traffic Min. 7 days
Density	Fresh mortar density: ~1.40 kg/l (at +25 °C)
Maximum Grain Size	Dmax: 0.4 mm

Packaging

20kg pack

Storage

12 months when kept in a dry and closed area stacked in loads of maximum 5 bags, away from freezing temperatures.

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Specific gravity	1.18 -1.19 g/cc
Classification	C1T
Standard	EN 12004: 2008
Attention	■ Additional water should not be added to the mix after the mixing process is completed. ■ Ready to use mortar should be applied within an hour. ■ Fixing of the les should be finished in 20 minutes following the application of the mortar onto the surface. ■ Remaining product should be kept closed and airtight in its original packaging ■ Joint Filling applications should not start before 24hours for vertical joints ad 48 hours for horizontal joints ■ Tools must be cleaned with water before residues fully cure
Health & Safety	■ In case of contact with skin and eyes, wash with plenty of water. ■ Protective mask should be worn during the preparation of the product.

Warranty

The information and recommendations relating to the application of Costar products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costar endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costar reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request

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