

COSTAR TILE FIX 5. C1

Cementitious Adhesive to lay ceramic tiles,
C1 classified according to EN 12004.

Description

Costar Tile Fix 5 is a polymer modified, thin-set tile adhesive for ceramic tiles, in internal areas. It is suitable for both vertical (wall) and horizontal (floor) application, over the cementitious substrate. It is supplied as a dry-mix mortar, to which water needs to be added before application.

Advantages

- Factory mixed - consistent quality.
- Easy to use, just add water
- Better coverage for wall and floor tiling.
- Very good workability and thixotropic consistency
- Good bond adhesion up to 1.5 N/mm².
- It can be used for thin bed application up to 5 mm layer thickness
- Very low shrinkage prevents de-bonding and gives longer life to tiles.
- Excellent Waterproofing properties; adding a bonus benefit

Areas of Use

- To be applied on interior walls and floors or on exterior floors.
- Suitable for normal sized ceramic tiles with a medium-high absorption rate.

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 5 should be mixed with 3.6liters of water. Add water into a clean container and sprinkle Costar Tile Fix 5 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 left 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 5 should be applied onto the surface. 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 motion. 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 5.

Filling the Joints:

Grouting should commence not before 24 hours with Costar Premium Tile Grout.

COSTAR TILE FIX 5



Call Us:
+9254348314

E-mail Us
Info@costarchem.com

Office Address:
5041 Mountaire Area, Antioch, California, USA

COSTAR TILE FIX 5. C1

Cementitious Adhesive to lay ceramic tiles,
C1 classified according to EN 12004.

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
<100cm ²	U4 (4 x 4 x 4)	Single
<450cm ²	U6 (6 x 6 x 6)	Single
<900cm ²	U6 (6 x 6 x 6) / U9 (9 x 9 x 9) ó n10	Double-Single
>900cm ²	U9 (9 x 9 x 9) ó n10	Double

Technical Information

Tensile Adhesion Strength	Standard Condition ≥ 0.5 N/mm ² (BS EN 1348:2007) Heat Ageing ≥ 0.5 N/mm ² Water Immersion ≥ 0.5 N/mm ² Freeze Thaw ≥ 0.5 N/mm ² C1UNE (EN 12004:2008)
Slip Resistance	≤ 0.5 mm (EN 1308:1999)
Open time	≥ 0.5 N/mm ² 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 m ² in flat surfaces: Mosaics and small tiles 2.0–4.5 kg/m ² Normal size tiles (20 cm x 20 cm) 4.5–9.0 kg/m ² 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 m ² .

COSTAR TILE FIX 5



Call Us:
+9254348314

E-mail Us
Info@costarchem.com

Office Address:
5041 Mountaire Area, Antioch, California, USA

COSTAR TILE FIX 5. C1

Cementitious Adhesive to lay ceramic tiles,
C1 classified according to EN 12004.

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

Classification / Standard

C1, EN 12004: 2008

Storage

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

Specific gravity

1.18 -1.19 g/cc

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

COSTAR TILE FIX 5



Call Us:
+9254348314

E-mail Us
Info@costarchem.com

Office Address:
5041 Mountaire Area, Antioch, California, USA