



COSTAR TILE FIX 20. C2TE

High Performance Cement Based Adhesive with No Vertical Slip and Extended Open Time. C2TE Classified According to EN 12004

PRODUCT DESCRIPTION

Costar Tile Fix 20 is a Cementitious adhesive made of mixed binders with an excellent workability and high adherence. It has no vertical slip and extended open time for fixing large sized Vitrified Tiles and regular sized Natural Stones. Suitable for interior and exterior pavements, interior claddings and baseboards. Suitable for overlaying new pavements on top of a previously tiled floor and under floor heating flooring. Suitable for the placing for all kind of ceramic pieces, porcelain clay, normal sized natural stone: granite and marble. Suitable for plaster substrates.

ADVANTAGES

- Anti-dropping performance (Non-slip/excellent initial adherence).
- Long open time; allows rectification
- Rheological enhanced with high stability and excellent performance.
- Highly recommended for large and heavy format ceramic and vitrified tiles as well as regular sized natural stones.
- Excellent Waterproofing properties; adding a bonus benefit
- Polymer/resin modified
- Extra added flexibility thereby resisting stress caused by thermal expansion and contraction of bonding layers.
- Easy to use with excellent workability and thixotropic consistency

AREA OF USE

- Wall tiling of high rise building with non-adhesive force requirement, sidewalks added to heavy traffic.
- Laying tiles over cementitious waterproofing.
- In fixing regular sized natural and artificial stones such as marble, travertine etc.
- Tiling of interior and exterior facades of the building which are exposed to outside weather conditions.
- Bonding of tiles on existing tiles
- Tiling of swimming pool
- Interior painted walls - if the paint coating is completely bonded and sound
- In tiling of sound surfaces of concrete and non-sand surfaces such as; gypsum bond, particle board, plywood and other large scale stones.
- All type of low and high absorption tiles
- Suitable for both vertical and horizontal application
- Product recommended for the placement of grindings.
- Gluing of floors with under floor heating and overlays on interior floors.
- Suitable for sidewalks with tile finishing.
- Suitable for up to 40 x 40 cm pieces in exterior claddings, and up to 3m high.

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 leveled with a bedding/ repair mortar (Costar Repair Mortar 10 or Costar Repair Mortar 20)



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Product Preparation

20Kg of Costar Tile Fix 20 should be mixed with 5liters of water. Add water into a clean container and sprinkle Costar Tile Fix 20 slowly into the liquid while mixing contiguously 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 20 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 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 20.

Grouting Tile Joints:

Grouting should commence not before 24 hours with Costar Premium Tile Grout or Costar Pro Joint Filler 10. Apply grout paste to tiled surfaces working it well into the joints using a rubber tillers squeegee or a sponge-faced wood float.

Composition: Costar tile Fix 20 Tile adhesive typically comprise of advance high grade binding cement, selected aggregate, and various additives like polymers for enhanced bonding, flexibility, and water resistance. These components create a strong adhesive paste used for fixing tiles onto surfaces.

TECHNICAL PROPERTIES

Packaging	20kg
Appearance	Grey powder
Shelf life	12 months from date of production
Storage conditions	Product must be stored in original, unopened, and undamaged sealed packaging in dry condition and temperature between +5 °C and +35 °C.
Tensile-adhesion strength	Initial / dry condition ≥ 1.0 N/mm ² After water immersion / wet condition ≥ 1.5N/mm ² After heat ageing ≥ 1.5 N/mm ² After > 10 minutes, open time ≥ 1.5 N/mm ² (EN 12004-2 / ISO 13007-2 / IS 15477: 2019, Annex A)
Mixing ratio	5 liters of water per 20kg bag of product
Fresh mortar density	1.8 ± 0.2 kg/L
Ambient air temperature	+5 °C min. / +45 °C max.
Pot life	~110 minutes EN 12004-2 / ISO 13007-2
Open time	> 20 minutes EN 12004-2 / ISO 13007-2
Adjust-ability time	~8 minutes

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Consumption	Consumption is dependent on the substrate, surface profile, roughness, and application technique. As a guide for a single adhesive layer:		
	Size of tile	Notched trowel size	Consumption
	Small	6mm	~4 kg/m ²
	Medium	8mm	~5 kg/m ²
	Large	10mm	~6 kg/m ²
Slip resistance	0.5 mm	EN 1308:2007	
Shear adhesive strength	10 kN	BS 5980:1980	

STORAGE AND SHELF LIFE

Protect from freezing, if frozen or crystallized, thaw gradually and stir to homogenous mixture. Shelf life in unopened original containers is 12 months when stored at 70°F (21°C).

STANDARD

Compiled with C2TE Class of EN 12004

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.

- *For Professional Use only.*

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem 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 Costarchem 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. Costarchem 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.