

COSTAR TILE FIX 30

C2TES1 High Performance, Waterproof, Flexible Cementitious Tile Adhesive



PRODUCT DESCRIPTION

Costar Tile Fix 30 is a high-performance, waterproof tile adhesive in powder form, reinforced with synthetic resin based chemicals delivering increased adherence, high flexibility, non-slip, extended open time and deformable properties. It is particularly used for fixing all types of tiles and natural stones like very large ceramic/vitrified tiles, porcelain tiles, mosaic, composite, large marbles and granite etc. on every type of walls and floors (plaster or anhydrite 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 tiles.
- Deformable; type S1 according to EN 12004
- 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, large areas with intense traffic.
- Tiling floors with under floor heating, cooling chambers and overlapping.
- Laying tiles over cementitious waterproofing.

- In fixing 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.
- In tiling of sound surfaces of concrete and non-sand surfaces such as;
- gypsum bond, particle board, plywood and other large scale stones.
- Bonding of tiles on existing tiles
- Interior painted walls - if the paint coating is completely bonded and sound
- All type of low and high absorption tiles
- Suitable for both vertical and horizontal application

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).

Product Preparation

20Kg of Costar Tile Fix 30 should be mixed with 3 – 4 liters of water. Add water into a clean container and sprinkle Costar Tile Fix 30 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 allowed 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 30 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.

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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 30 tile adhesive typically comprises 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	≥ 2.0 N/mm ²			
	After water immersion / wet condition	≥ 1.5 N/mm ²			
	After heat ageing	≥ 1.7 N/mm ²			
	After > 10 minutes, open time	≥ 2.0 N/mm ²			
	(EN 12004-2 / ISO 13007-2 / IS 15477: 2019, Annex A)				
Mixing ratio	3 - 4 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	~7hours	EN 12004-2 / ISO 13007-2			
Open time	> 20 minutes	EN 12004-2 / ISO 13007-2			
Adjust-ability time	~8 minutes				
Slip resistance	0.5 mm	EN 1308:2007			
Shear adhesive strength	10 kN BS 5980:1980				
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	2-3 kg/m ²		
	Medium	8mm	3-4 kg/m ²		
	Large	10mm	5 kg/m ²		

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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.

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 European EN 12004 as C1TE class S1 tile adhesive

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 or 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 or 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.