

## Chelfix Tile Flex

Flexible and High Performance Ceramic, Porcelain and Granite Adhesive

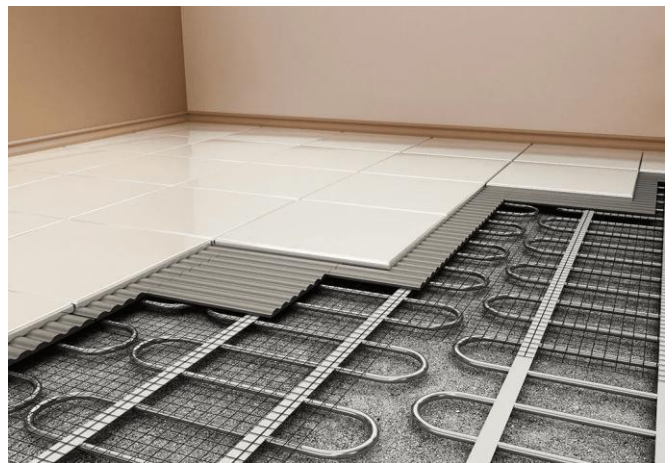
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### Product Description

Chelfix Tile Flex is (TS EN 12004 - C2TE S1) adhesive mortar with high bonding strength. Used for bonding of granite, marble, porcelain, thermostone and natural stone, tile, ceramic, briquette, glass mosaics on cement based surface like concrete, plaster and screed.

### Areas of Application

- Indoor and outdoor, horizontal and vertical applications.
- For the strong bonding of granite, marble, porcelain, ceramic, glazed tile, decorative brick, and glass mosaic, thermostone, cast and natural stone.
- For the strong bonding of low absorbent ceramic coating.
- For the strong bonding of large format or heavy tiles.
- Laying all types of ceramic tiles and stone on all common construction substrates where slightly movements or deflections are likely.
- Highly recommended with under floor heating systems.
- Can be used as a repair mortar for thin segregation areas.
- Recommended for wet areas like bathrooms, kitchens, balcony, terrace, swimming pools and water reservoirs.
- On gypsum panel, prefabricated lightweight concrete structural elements.
- On any kind of surfaces which are prone to warping and thermal movements.
- Non-sag, can be used for vertical walls and floors.



## Advantages

- Extended open/ wet time.
- Water resistant, will not be affected in wet areas.
- Ready for use, just requires the addition of water.
- Non sag.
- Anti-bacterial and anti-fungus.
- High bond strength.
- Suitable for internal and external application.

## Technical Data

Property	
General Information	
Colour	Grey or White
Shelf Life	12 months
Package	25 kg kraft bag
Application Information	
Application Temperature	+5 °C to +40 °C
Service Temperature	-30 °C to +70 °C
Mixture Ratio	6.0 – 6.5 lit water / 25 kg powder
Pot Life	6 hours
Slip (EN 1308)	< 0.5mm
Pedestrian Traffic Opening Time	1 day on the wall for 8 hours
Performance Information	
Open Time	≥ 0.5 N/mm <sup>2</sup> after 30 min
Tensile Adhesion Strength	
After Dry Storage	≥ 1.0 N/mm <sup>2</sup>
After Wet Storage	≥ 1.0 N/mm <sup>2</sup>
After Heat Storage	≥ 1.0 N/mm <sup>2</sup>
After Freeze - Thaw Cycles	≥ 1.0 N/mm <sup>2</sup>
Flexibility (EN 12002)	≥ 2.5 mm - S1 Flexible
Fire Reaction Class (TS EN 13501-1)	A1

## Consumption Table

Chelfix Tile Flex	Mixture Density (gr / lit)	1 m <sup>2</sup> Powder Consumption (kg)	Mixture Water Amount (lit)
25 kg kraft bag	~1.70	4 - 5	6.0 -6.5

## **Applications / Instructions**

**Surface Quality:** The surfaces should be clean, smooth, sound and at the same time level, weak parts should be removed and damaged surfaces should be repaired. There should be no grease or mortar rust on the surface. **Surface Preparation:** If applied on marble, ceramics and pellets, the surfaces should be roughened. Concrete floor should be damp but there should be no water accumulation. **Mixing:** 6.0 – 6.5 lit clean, clear water received from normal ambient temperature into a clean container which is free from all kinds of materials which prevent adhesion. Chelfix Tile Flex in 25 kg bag as powder is poured into a container filled with water. The product is mixed with a low speed mixer until a homogeneous mixture without lumps is obtained. The mortar obtained at the end of the process should be rested for 5-10 min and mixed again until it becomes homogenous again for 1-2 minute.

## **Application Notes/ Restrictions**

- The product may be irritating to the skin; work clothes, protective gloves, masks and glasses must be used. Protective cream can also be applied before starting work. In case of mortar contact with eyes, eyes should be washed immediately with warm water and consult a doctor.
- It must be protected under ambient conditions below (+) 5°C, the product should be covered with nylon or exposed to freezing by spreading heat insulation plates.
- It must be protected at temperatures above (+) 40 °C, covered with nylon or heat insulation plates should be laid out to prevent the product from being exposed to sudden water loss.
- At least 24 hours after application of Chelfix Tile Flex, the joint filling should be started.
- Do not add foreign matter.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35 °C), rain and frost. Chelfix Tile Flex should be made with clean water without getting hard and hard. Immediately after application, hands and face should be washed thoroughly with soap and warm water.
- Immediately after applying the equipment, the mortar should be washed with water without hardening.

## **Storage Conditions**

It should be stored in original unopened package, in cool and dry environment, protected from freezing.

## **Standards**

- Chelfix Tile Flex complies with BS 5980:1980 Class AA, Type 1 and ANSI A.118. 1 for shear strength.
- Chelfix Tile Flex complies with BS EN 12004:2004: 2001, Type C2 for tensile adhesion strength.

## **Cleaning**

All tools should be cleaned immediately after finishing by water. Hardened materials should be cleaned mechanically.