



InnoChem
Smart Solutions, Strong Foundations

1ST FLOOR, GALA NUMBER 119, VAPI CO-OP INDL SOCIETY, GIDC, PLOT NUMBER 99, VAPI, VALSAD 396195.

InnoChem TILEFIX 2T C1TE

BOND. BUILD. ELEVATE.

1. DESCRIPTION

InnoChem TileFix is a polymer modified, thin set tile adhesive designed for fixing ceramic, semi-vitreous vitrified tiles, and regular sized natural stones. It is suitable for both vertical and horizontal applications over cementitious substrates, intended for indoor use in both dry and wet areas. The product is also recommended for tile-on-tile applications.

2. FEATURES AND ADVANTAGES

1. Only need to add water at site.
2. Ideal product for tile-on-tile applications.
3. Sag resistant and hence provides hassle free application.
4. Suitable for wet and dry areas.
5. Superior adhesive bond strength.

3. AREA FOR USE

MATERIAL TO BE FIXED	ON SURFACE/SUBSTRATE	AREA OF APPLICATION
All types of ceramic tiles, terracotta, brick tiles, vitrified tiles, glass mosaic tiles, large format tiles, precast terracotta, marble, and natural stones, as well as low-thickness slabs.	Cement-based screeds and mortars, cement plasters/renders, concrete surfaces, brickwork, AAC blocks, existing tiles and stones, and other cementitious surfaces	Suitable for flooring and wall installations, for both indoor applications and shaded outdoor areas, external areas, dry and wet zones, new constructions and renovation projects, as well as domestic and commercial use.



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5. APPLICATION PROPERTIES

MIXED DENSITY	1.7-1.85 KG / LITRE
OPEN TIME	APPROX 30 MINS
ADJUSTIBILITY	APPROX 25 TO 30 MINS
POT LIFE	APPROX 120 MINS
SAG/SLIP	≤ 0.5MM
APPLICATION TEMPERATURE	5° C to 35° C
ADHESIVE THICKNESS	3 - 12 mm
SETTING TIME	24 HOURS
MIXING RATIO	1:0.25-0.28 (GREY) 1:0.26-0.29(WHITE)

6.APPLICATION INSTRUCTIONS

6.1 SUBSTRATE PREPARATION

1. The substrate should be even, fully cured, intact, dense, stable, moisture-resistant, dry, and free from any contaminants or rising damp that could affect adhesion.
2. All surfaces must be level and aligned, with deviations not exceeding 6 mm over a 10 ft (3 m) span.



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3. Dry and dusty surfaces should be moistened with water, ensuring any excess water is removed.
4. New concrete slabs should be damp-cured and at least 28 days old before application to minimize shrinkage on the tile installation surface.
5. Expansion joints must be installed and sealed with an appropriate sealant.

6.2 MIXING

1. Mix 3 to 3.5 parts of powder with 1 part of water, or use 5 to 6 liters of water for every 20 kg of powder, in a clean mixing container for Grey base and Mix 2.9 to 3.0 parts of powder with 1 part of water, or use 5.2 to 5.8 liters of water for every 20 kg of powder, in a clean mixing container for White base.
2. Modify the water quantity to achieve the desired consistency.
3. Mix with an appropriate mechanical stirrer or a slow-speed drill (50–100 rpm) until a uniform, smooth, and lump-free paste is achieved.
4. Always mix only the required quantity that can be utilized within its pot life.
5. Let the mixture stand for 5 minutes prior to application. Do not add any more water after this point.

6.3 APPLICATION

1. Apply additional adhesive using the notched side of the trowel.
2. Utilize a correctly sized notched trowel to guarantee full and even bedding of the tile.
3. Tiles should be installed within 15-20 minutes of adhesive application, depending on the surface porosity and environmental conditions.
Regularly inspect the adhesive ribs, and if a skin has formed, remove the dried adhesive and apply a new layer.
4. Press the tiles firmly into place with a gentle twisting motion, periodically checking that there is proper contact with the back of each tile. Use a rubber mallet to tap the tiles in, ensuring they are embedded and level. Make sure there are no voids behind the tiles.
5. For large tiles or uneven surfaces, adhesive can also be applied to the backs of the tiles to ensure complete adhesive contact.



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6. Maintain proper spacing between wall and floor tiles using spacers. The joint width should comply with the architect's or engineer's recommendations. Remove any excess adhesive from the tile surfaces and joints. Clean the tools and tile work with water while the adhesive is still fresh.

7. PRECAUTIONS

1. Always mix the powder into the water.
2. Do not add water more than the recommended amount.
3. Never add sand or cement on-site.
4. Do not apply on a wet screed; ensure the surface is fully cured. The adhesive should not be used to correct surface irregularities greater than 15 mm.
5. Keep protected from direct rainfall and foot traffic for at least 24 hours.
6. The designer or applicator should assess the need for an additional mechanical fastening system for added security when applied at heights exceeding 3 meters (such as steel hooks attached to the substrate).

8. GROUTING

Grouting should be carried out after 24 hours of tiling.

9. SAFETY

Keep out of reach from children and always wear suitable protective clothing/glove and goggles. In case of eye contact, rinse immediately and seek medical help if the discomfort continues.

**Product information given by company is shared in good faith for better understanding of the product. It is meant to be used as a general guideline. There is no guarantee or warranty undertaken if the output varies. These things depend on the applicator, the type of surface and other on-site related factors. We strongly recommend that the user does trials prior to full scale usage. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of products