



InnoChem
Smart Solutions, Strong Foundations

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

InnoChem TILEFIX SUPREME TYPE 3T C2TE **BOND. GRIP. FIX.**

1. DESCRIPTION

InnoChem TILEFIX Supreme Adhesive is a premium, polymer-enhanced adhesive designed for professional tile fixing. It is highly effective for ceramic, semi-vitrified, vitrified tiles, and natural stones. Suitable for both vertical and horizontal installations on internal surfaces, this adhesive is recommended for external usage only on floors.

TILEFIX Supreme delivers superior performance and is perfectly suited for tile-on-tile applications. It can be applied in both wet and dry conditions, indoors as well as outdoors. Its excellent bonding strength ensures compatibility with a wide range of substrates. The anti-sag property makes it reliable for vertical fixing, while its durability against heat ageing makes it ideal for high-temperature environments such as saunas and jacuzzies.

2. FEATURES AND BENEFITS

It is extremely convenient to use **InnoChem TILEFIX Supreme Adhesive**, as it can be effortlessly prepared on-site by simply adding the required amount of water. The mix is applied in smaller sections to ensure accuracy and precision during tile fixing.

With its extended open time, the product is perfectly suited for external applications. It can securely fix ceramic, vitrified, natural stone, terracotta, pavers, bricks, and various other tiles in outdoor environments.

Being a highly polymer-modified adhesive, **TILEFIX Supreme** develops a strong and durable bond with the substrate during installation. Its low-VOC formulation supports healthier living conditions and makes it safe for residential as well as commercial use.

Engineered to withstand heat ageing, this adhesive is also ideal for high-temperature zones such as saunas and jacuzzies. Thanks to its sag-resistant formula, it performs equally well on vertical surfaces, ensuring reliable fixing without slippage.



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3. AREA FOR USE

MATERIAL TO BE FIXED	ON SURFACE/SUBSTRATE	AREA OF APPLICATION
InnoChem TILEFIX Adhesive is suitable for all types of ceramic tiles, vitrified tiles, terracotta, pavers, bricks, large-format tiles, precast terrazzo, natural stones, and thin/slim slabs.	It functions as a powerful bonding agent and can be applied over cement screeds and beds, gypsum- or cement-based plasters and renders, concrete surfaces, brickwork, existing tiles and stone finishes, waterproofing layers, and other cementitious substrates.	The application range of InnoChem TILEFIX Supreme Adhesive covers both wet and dry surfaces in indoor as well as outdoor areas. It is suitable for domestic and commercial projects and can be applied on horizontal and vertical surfaces for reliable tile fixing.

5. APPLICATION PROPERTIES

MIXED DENSITY	1.65 to 1.85 kg / litre
OPEN TIME	APPROX 30 MINS
ADJUSTIBILITY	APPROX 35 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 (WATER:POWDER)	T05 -1:0.24-0.28 by weight T06 -1:0.25-0.28 by weight

6.APPLICATION INSTRUCTIONS

6.1 SUBSTRATE PREPARATION

1. The substrate must be level, properly cured, undamaged, compact, rigid, and free from contaminants such as dust, grease, or any substances that could impair adhesion. It should also be dry and free from rising damp.
2. All surfaces must be plumb and even, with variations not exceeding 6 mm over a 10 ft (3 m) span.



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3. For dry or dusty surfaces, lightly dampen with clean water before application and remove any standing water.
4. New concrete slabs should be damp-cured and allowed to age for at least 28 days to minimize shrinkage and ensure a stable base for tile installation.
5. Expansion joints must be incorporated into the substrate and should be filled with a suitable flexible sealant.
6. Do not cover expansion joints with tile adhesive or tiles.

6.2 MIXING and Coverage

1. For Grey Adhesive

Mix 2.9 to 3.1 parts of powder with 1 part of clean water, or use approximately 4.8 to 5.6 litres of water for 20 kg of powder in a clean mixing container.

2. For White Adhesive:

Mix 2.9 to 3.0 parts of powder with 1 part of clean water, or use approximately 5.0 to 5.6 litres of water for 20 kg of powder.

3. Adjust the water quantity slightly to achieve the desired consistency.
4. Use a suitable mechanical stirrer or a slow-speed drill (50–100 rpm) to blend the mixture until a smooth, lump-free, homogeneous paste is formed.
5. Always prepare only the amount that can be used within the adhesive's pot life. Allow the mixed adhesive to rest for 5 minutes before application. Do not add additional water after mixing.
6. At 3mm thickness – 4.5 to 5 m² per 20 kg bag.
At 6mm thickness – 2.2 to 2.5 m² per 20kg bag.
Depending upon notch size, tile size, evenness of surface and substrate smoothness.

6.3 APPLICATION

1. Apply the adhesive evenly to the prepared substrate using the flat side of a notched trowel. Then, use the notched side to comb the adhesive, creating uniform ridges. Select the appropriate notch size to ensure full coverage and proper bedding of the tile.
2. Tiles should be installed within 20 minutes of adhesive application, depending on surface porosity and ambient conditions.



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3. Press each tile firmly into place using a slight twisting motion to ensure full contact with the adhesive. Use a rubber mallet to gently tap and adjust tile positioning and level. Make sure there are no voids behind the tiles.
4. For large-format tiles or uneven backs, apply additional adhesive (“back-buttering”) to the reverse side of the tile to guarantee complete contact.
5. When installing tiles on vertical surfaces, use appropriate supports along with the adhesive to maintain alignment and prevent slippage.

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 product.