

## Description

UltraTech **TILEFIXO VT** is a polymer modified, cement-based, high performance, high strength and high quality tile adhesive developed to fix all types of tiles for wall tile application. Suitable for both internal and external, thin bed applications.

## Specification

Technical Parameters complies with **IS 15477**, **EN 1348**.

## Features & Benefits

- Excellent bond strength
- No shrinkage
- Nil wastages
- Single component, no hassles of mixing the ingredients
- Easy to spread
- No curing required
- High slip resistance
- Consistent in quality

## Areas of Application

UltraTech **TILEFIXO VT** is recommended for fixing all types of tiles for wall tile application. It is also recommended for tile-on-tile, tile-on-mosaic, tile-on-cement floors. Suitable for wall applications.

## METHOD OF APPLICATION

### Surface Preparation



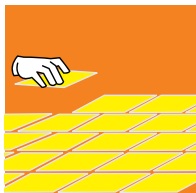
- Prepare the surfaces before the tile adhesive application by removing oil, bond inhibiting agents, dirt, dust and laitance. The cleaning can be carried out with suitable methods like by using wire brush, water jetting, mopping, etc.
- UltraTech **BASEKRETE** is recommended over vertical surfaces to level the surface in case of higher undulations or for any repair works to attain the flat, stable and normal absorption background prior to UltraTech **TILEFIXO VT** application

### Mixing



- UltraTech **TILEFIXO VT** requires 25% of water by weight of material (4 parts of tile adhesive and 1 part water)
- Mix UltraTech **TILEFIXO VT** to the measures quantity of water using mechanical stirring for 2-3 minutes to ensure a consistency free of lumps
- Allow to stand for 2 minutes for the mix to mature and then remix to use
- Do not add any extra water to alter the mix consistency or to extend the pot life. Further water additions will hamper the adhesion strength of the tile adhesive

### Application



- Apply the mixed UltraTech **TILEFIXO VT** to the prepared substrate using the appropriate notched trowels for the size of the tiles being laid
- A minimum of 3 mm bed thickness of tile adhesive for walls and floors must be achieved
- Lay tiles onto the adhesive, firmly press the tile on to the adhesive to ensure good initial bonding and do not disturb tiles until the adhesive has set
- No pre-wetting of tiles is required while using UltraTech **TILEFIXO VT**
- It is recommended to fix the tiles within 30 minutes of spreading of UltraTech **TILEFIXO VT** to achieve the adequate bonding as per the technical data provided
- Any tile fixing after 30 minutes will lead to improper adhesion and may result in de-bonding of tiles
- For vertical area applications, tiling should start from bottom to top
- For tile-on-tile, tile-on-mosaic, tile-on-old cement floor application, care should be taken to prepare the existing base with adequate interlocking friction effect by removing polish/wax/top smooth layers

## TECHNICAL DATA AS PER RELEVANT IS AND ASTM STANDARDS

Bulk density	1450-1550 Kg/m <sup>3</sup>
Water powder ratio	25%
Pot life	1 hour
Open time	30 minutes
Adjustable time	30 minutes
Usage time post application	24 hours
Compressive strength @ 28 days	7-8 N/mm <sup>2</sup>
Slip resistance @ 20 Kg/m <sup>2</sup>	0 mm
Coverage @ 3 mm per Kg	4 sq.ft.

Tech Parameters	Std. as per IS 15477	TILEFIXO VT values as per IS 15477	Std. as per EN 12004 (Test Method EN 1348)	TILEFIXO VT values as per EN 1348
<b>Tensile Adhesion @ 28 days</b>	<b>N</b>	<b>N</b>	<b>MPa</b>	<b>MPa</b>
Dry Condition	750	1000	> 0.5	1.0
Wet Condition	450	850	> 0.5	0.7
<b>Shear Adhesion</b>	<b>KN</b>	<b>KN</b>	<b>MPa</b>	<b>MPa</b>
Dry Condition @ 24 Hours	2.5	6.5	> 0.5	0.7
Dry Condition @ 14 days	8.0	12.0	> 0.5	0.9
Wet Condition @ 14 days	4.0	8.0	> 0.5	0.8
Heat Ageing Condition @ 14 days	4.0	9.0	> 0.5	0.9

### Note

- Allow a minimum of 24 hours for the subsequent usage of the tile fixed areas. Do not tile if temperature is likely to drop to below 5°C or exceed 50°C. For temperature below 20°C allow the adhesive to cure for an extended period of time. Pot life, open time and adjusting time depends on the surface absorption, wind factor, temperature, humidity conditions at site
- The technical data provided in this technical data sheet is as per our internal lab testing and may vary as per the actual method of application at sites
- Consult UltraTech Building Products Division Technical Services Cell for any further technical assistance

### Safety Directions

- UltraTech **TILEFIXO VT** is non-toxic. Use of gloves and goggles recommended. Any splashes to the skin or eyes should be washed off with clean water immediately
- In case of prolonged irritation, medical advice should be sought. UltraTech **TILEFIXO VT** is non-flammable

### Packaging

20 Kg, 25 Kg

### Shelf Life

- UltraTech **TILEFIXO VT** has a shelf life of 12 months from the date of manufacture. Store at a cool and dry place

### Precautions

- Not suitable for tiling over flexible substrates, such as fibrous cement sheeting, plasterboard and timber
- Not suitable for tiling directly onto timber, plywood or glass
- Not suitable for tiling directly on to metals or plastic substrates
- Not suitable for tiling directly onto polyurethane membranes
- Not suitable for moisture sensitive tiles or stone
- Do not mix or apply adhesives in temperature below 5°C and above 50°C and under extreme hot and windy conditions

### Other Product Categories available with UltraTech Building Products Division

- Micro Concrete and Repair Mortar
- Industrial/Precision Grout and Anchors
- Waterproofing and Injection Grouting Material
- Plasters and Jointing Mortar
- Floor Screeds & Masonry
- Autoclaved Aerated Lightweight Concrete Blocks

#### DISCLAIMER

Information provided on this data sheet is the guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no implied guaranty/warranty for the results and the company is not liable for any consequential damages.



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