

**UltraTech**  
**TILEFIXO**

Extra Strong Tile Adhesive

**X'TRA  
PLUS**



Series: TFXP0012  
Month: September 2019  
Supersedes all earlier TDS

TILEFIXO X'TRAPLUS

ULTRATECH

## Description

UltraTech **TILEFIXO X'TRAPLUS** is a polymer modified, cement-based, high quality and high strength tile adhesive recommended for fixing large format tiles, glass mosaic tiles, natural stones and thin tiles for wall and floor tile fixing applications.

## Specification

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

## Features & Benefits

- Ready to mix
- Single component
- Highly polymer modified
- High strength
- Tile on tile application
- Interior and exterior challenging applications
- Recommended for large format tiles
- Self-curing
- For fixing natural stones, vitrified tiles & ceramic tiles

## Areas of Application

UltraTech **TILEFIXO X'TRAPLUS** can be used for both internal & external, thin bed wall & floor applications. It is recommended for fixing large format natural stone, tiles and for tile-on-tile applications of large format vitrified tiles. UltraTech Tilefixo X'traPlus is also suitable for applications of tiles over dry walls.

## METHOD OF APPLICATION

### Surface Preparation



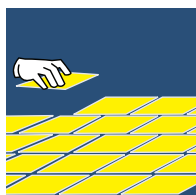
- Prepare the surfaces before the tile adhesive application by removing oil, bond inhibiting agents, dirt, dust and laitance. The cleaning can be carried out with suitable methods like by using wire brush, water jetting, mopping etc.
- UltraTech **BASEKRETE** is recommended over vertical surfaces and UltraTech **FLOORKRETE** for horizontal floor areas 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 X'TRAPLUS** application

### Mixing



- UltraTech **TILEFIXO X'TRAPLUS** requires 25% of water by weight of material
- Mix UltraTech **TILEFIXO X'TRAPLUS** to the measured quantity of water using mechanical stirrer 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 X'TRAPLUS** to the prepared substrate using the appropriate notch trowels for the size of the tiles being laid
- A minimum of 8 -12 mm average bed thickness of tile adhesive for walls and floors must be achieved
- Lay tiles onto the adhesive, firmly press the tile onto 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 X'TRAPLUS**
- It is recommended to fix the tiles within 20 minutes of spreading of UltraTech **TILEFIXO X'TRAPLUS** to achieve the adequate bonding as per the Technical Data provided
- Any tile fixing after 20 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, granite/marble-on granite/marble 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% by weight               |
| Pot life                       | 1 hour                      |
| Open time                      | 20-30 minutes               |
| Adjustable time                | 20-30 minutes               |
| Usage time post application    | 24 hours                    |
| Average Bed thickness          | 8-12mm                      |
| Compressive strength @ 28 days | 15-18 N/mm <sup>2</sup>     |
| Slip resistance @ 75 Kg/sq.m   | 0 mm                        |
| Coverage @ 6 mm per Kg         | 2 sq.ft                     |

| Tech Parameters                   | Std. as per IS 15477 | TILEFIXO X'TRAPLUS values as per IS 15477 | Std. as per EN 12004 (Test Method EN 1348) | TILEFIXO X'TRAPLUS 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                  | 1586                                      | > 1.0                                      | 1.58                                     |
| Wet Condition                     | 450                  | 1253                                      | > 1.0                                      | 1.25                                     |
| <b>Shear Adhesion</b>             | <b>KN</b>            | <b>KN</b>                                 | <b>MPa</b>                                 | <b>MPa</b>                               |
| Dry Condition @ 24 Hours          | 4.0                  | 5.5                                       | -  | -  |
| Dry Condition @ 14 days           | 10.0                 | 19.2                                      | > 1.0                                      | 1.92                                     |
| Wet Condition @ 14 days           | 5.0                  | 10.1                                      | > 1.0                                      | 1.01                                     |
| Heat Ageing Condition @ 14 days   | 5.0                  | 14.9                                      | > 1.0                                      | 1.49                                     |

### 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

### Safety Directions

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

### Packaging

20 Kg

#### 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.



#### UltraTech Cement Limited (Building Products Division)

Regd. Office: 2<sup>nd</sup> Floor, B-Wing, Ahura Centre, Mahakali Caves Road, MIDC, Andheri (East), Mumbai - 400 093, India | Email: [ultratech.care@adityabirla.com](mailto:ultratech.care@adityabirla.com)  
Website: [www.ultratechcement.com](http://www.ultratechcement.com) | Toll Free: 1800 210 3311

