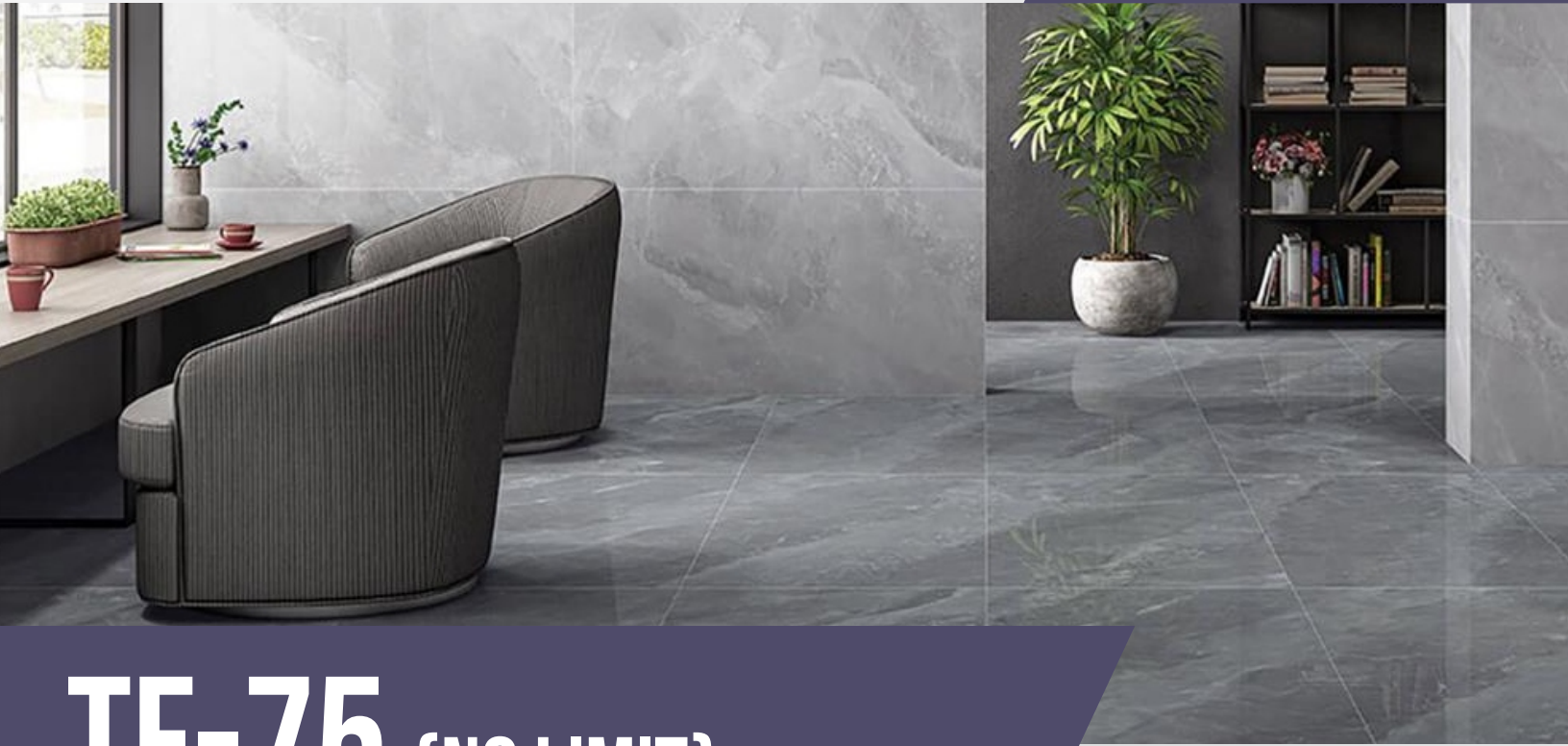




**STONE TILE FIXIT**

घर बनाए दिल से...



# TF-75 (NO LIMIT)

## TECHNICAL DATA SHEET

Superior  
Bond  
Strength

Highly  
Polymer  
Modified

Highly  
Flexible

### Compliance

C2TES1 – En12004

Type 4TS1-IS 15477:2019

Premium Quality, Highly Polymer Modified  
Adhesive for Multi-Purpose Application

# TF-75 (NO LIMIT)

TF-75 NO LIMIT is high performance, polymer modified cement-based powder tile/stone adhesive with superior bond strength, non-slip (slip resistance), highly flexible & having extended open time. It is a single component, slow setting tile adhesive for fixing of any size of tiles & stones over the variety of surfaces. It can be used for interior as well as exterior surfaces. High levels of polymer and improved strength allows for use in areas of increased movement and vibration.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

- Surface shall be free from other substances like oil, grease, dust, oil, paint etc.
- Ensure no any other particles over the surface where tiling to be done.
- All surface must be leveled for less consumption & achieve good courage.
- Dusty surface shall be dampened with water for good adhesion.

### MIXING

- Add 3 part of powder to 1 part of water in required container.
- Mix it well with low revolution mixture drill machine until the homogeneous paste is obtained.
- Water can be adjusted during mixing to get proper smoothness of mixture.
- Leave the mixture for 3 to 5 minutes after mixing.

### APPLICATION

- Apply the adhesive on the surface where tiling shall be done.
- Spread the adhesive with notched trowel.
- Apply the adhesive on tiles & spread thoroughly on entire surface.
- Clean the tiles before applying adhesive.
- Fix the tile on appropriate surface.
- Tiles must be fixed within 10-15 minutes.
- Press the tiles firmly into position with a slight twisting action for proper spreading of adhesive. If required use rubber mallet to adjust level.
- Remove additional adhesive from the tiles face and between joints.
- Clean the tiles with cotton waste in next 30 minutes.
- Avoid foot traffic at least for 24 hours.
- Carry out grouting after 24 hours.



## PRODUCT DATA

<b>Appearance</b>	Gray / White
<b>Form</b>	Powder
<b>Bulk Density</b>	1.3 – 1.5 gm/cc
<b>Mixing ratio</b>	1:3 (water: powder)
<b>Pot life</b>	Minimum 120 minutes
<b>Open time</b>	Minimum 45 minutes
<b>Setting time</b>	24 hours
<b>Adhesive Thk</b>	3-12 mm

## COVERAGE

- Approximately 1.5 to 2 sqft per 1 kg adhesive.
- Coverage can be varied from place to place because of surface levelness & flatness.
- Ensure proper level/flatness of surface for better coverage.

## AREA OF APPLICATION

- Entry gates / garden areas & it's walkways
- Swimming pools & Gazebos
- Lift Area & Entry Foyer
- Big size tiles & stones in vertical surface
- Balconies & terrace area

## MATERIAL CAN BE FIXED

- Engineered stones & Composite stones
- All type of natural stones like granite, marble, kota stones etc.
- Full body vitrified tiles
- Glass mosaic tiles
- Heavy duty large format tiles

Surface to be cleaned & roughened before installation of tiles

## PACKING

20 Kg Double Layered Bopp Bags

## SHELF LIFE

12 Months From The Month of Manufacturing



## PRECAUTIONS & LIMITATIONS

- Strictly not recommended for the direct use on gypsum board, plywood, wood, metal & painted area.
- Rectify undulations from the existing floors and walls.

## TECHNICAL PERFORMANCE

### ACCORDING TO EN12004

Testing Properties	Requirement	Test Values
Open Time @45 minutes	$\geq 0.5 \text{ N/mm}^2$	0.70 to 0.90 N/mm <sup>2</sup>
Tensile adhesion at dry condition	$\geq 1 \text{ N/mm}^2$	1.5 to 1.9 N/mm <sup>2</sup>
Tensile adhesion after water immersion	$\geq 1 \text{ N/mm}^2$	1.2 to 1.3 N/mm <sup>2</sup>
Tensile adhesion after heat ageing	$\geq 1 \text{ N/mm}^2$	1.3 to 1.6 N/mm <sup>2</sup>
Tensile adhesion after freeze/thaw cycle	$\geq 1 \text{ N/mm}^2$	1.1 to 1.3 N/mm <sup>2</sup>
Slip Resistance (T)	$\leq 0.5 \text{ mm}$	0.3 to 0.5 mm

### ACCORDING TO IS 15477:2019

Testing Properties	Requirement	Test Values
Tensile adhesion at dry condition	$\geq 1.50 \text{ N/mm}^2$	1.7 to 2.10 N/mm <sup>2</sup>
Tensile adhesion at wet condition	$\geq 1.00 \text{ N/mm}^2$	1.1 to 1.4 N/mm <sup>2</sup>
Shear Adhesion at dry condition	$\geq 1.5 \text{ N/mm}^2$	1.7 to 2.2 N/mm <sup>2</sup>
Shear adhesion after heat ageing	$\geq 1 \text{ N/mm}^2$	1.4 to 1.8 N/mm <sup>2</sup>
Shear adhesion at wet condition	$\geq 1 \text{ N/mm}^2$	1.2 to 1.4 N/mm <sup>2</sup>
Slip Resistance (T)	$\leq 0.5 \text{ mm}$	0.3 to 0.5 mm
Deformation	$\geq 2.5\text{mm}, <5 \text{ mm}$	3.8 mm

**Note:** Test results are indicative as per testing method specified in standard. Test results may vary as per substrate, site condition & testing machine etc. Actual field performance will depend on installation methods and site conditions.

## ADVANTAGES

- Soaking of tiles is not required
- No need curing, no need hacking
- Excellent Workability
- Suitable for commercial application
- Long open time – suitable for large format tiles
- Excellent Adhesion & Low Shrinkage
- Flexible to accommodate physical & thermal movements
- Easy to use, just mix with water & apply

## SAFETY PRECAUTIONS

- Keep out of reach from Childrens.
- Wear suitable eye protection & gloves.
- In case of contact with eye, rinse immediately with water and seek medical services.



घर बनाए दिल से...



## BUILD-TECH CONSTRUCTION SOLUTIONS

51, Karmeshwar Society, Near Punagam BRTS Junction, Canal Road, Surat - 395010.



[buildtechfix@gmail.com](mailto:buildtechfix@gmail.com)



[www.tech-fix.in](http://www.tech-fix.in)



+91 95868 24260