



**STONE TILE FIXIT**

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# STF-35

## TECHNICAL DATA SHEET

**Compliance**

**C2TE – En12004**

**Type 3T – IS 15477:2019**

**Extended  
Open Time**

**Highly  
Polymer  
Modified**

**Superior  
Bond  
Strength**

General Purpose Polymer Modified  
Adhesive for Stone & Tiles

# STF-35

STF-35 is a blended polymer modified cement-based powder tile adhesive specially designed for heavy duty tile applications like granamite, mosaic on internal surfaces. It gives excellent bond on cementitious surfaces like, concrete, plaster, etc. STF-35 has an excellent waterproofing ability also. This highly flexible adhesive is suitable for fixing ceramic, glazed surfaces, natural stones, etc. on a new substrate.

## 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>	Approx 120 minutes
<b>Open time</b>	Minimum 30 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

- Concrete surfaces
- Cement mortar beds
- Tile on tile application
- Existing stone flooring / tile flooring
- Plastered wall
- Terrace / Balconies

Surface to be cleaned & roughened before installation of tiles

## MATERIAL CAN BE FIXED

- Heavy duty large format tiles
- Marble & Natural stones
- Granite & other stones
- Large format Vitrified tiles
- Glass mosaic 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 @20 minutes	$\geq 0.5 \text{ N/mm}^2$	0.55 to 0.65 N/mm <sup>2</sup>
Tensile adhesion at dry condition	$\geq 1 \text{ N/mm}^2$	1.3 to 1.6 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	$\geq 1 \text{ N/mm}^2$	1.2 to 1.5 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 2.00 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 2.0 N/mm <sup>2</sup>
Shear adhesion after heat ageing	$\geq 1 \text{ N/mm}^2$	1.3 to 1.5 N/mm <sup>2</sup>
Shear adhesion at wet condition	$\geq 1 \text{ N/mm}^2$	1.1 to 1.2 N/mm <sup>2</sup>
Slip Resistance (T)	$\leq 0.5 \text{ mm}$	0.3 to 0.5 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

- Excellent Adhesion & Low Shrinkage
- Flexible to accommodate physical & thermal movements
- Easy to use, just mix with water & apply
- 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
- Allow to sustain minor vibrations

## 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.



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## 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