



**STONE TILE FIXIT**

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# NTF-15

## TECHNICAL DATA SHEET

### Compliance

C1T – En12004

Type 1T – IS 15477:2019

High  
Strength

High  
Tensile

Polymer  
Modified

Polymer Modified Adhesive  
for Ceramic Floor Tiles

# NTF-15

NTF-15 is polymer modified gray cement based thin set tile adhesive suitable for ceramic tiles, terracotta, clay tiles & small vitrified tiles. It is suitable for dry as well as wet area. It is used only for indoor application only. It is suitable for floor area as well as limited wall area.

## 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 20 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

- Cement based screeds
- surfaces
- Cement mortar beds
- Plastered wall

## MATERIAL CAN BE FIXED

- Medium size vitrified tiles
- Ceramic tiles / Glazed tiles
- Terracotta

**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	$\geq 0.5 \text{ N/mm}^2$	0.5 to 0.65 N/mm <sup>2</sup>
Tensile adhesion at dry condition	$\geq 0.5 \text{ N/mm}^2$	0.7 to 1.0 N/mm <sup>2</sup>
Tensile adhesion after water immersion	$\geq 0.5 \text{ N/mm}^2$	0.6 to 0.8 N/mm <sup>2</sup>
Tensile adhesion after heat ageing	$\geq 0.5 \text{ N/mm}^2$	0.8 to 1.1 N/mm <sup>2</sup>
Tensile adhesion after freeze/thaw cycle	$\geq 0.5 \text{ N/mm}^2$	0.8 to 1.0 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	$\geq 0.5 \text{ N/mm}^2$	0.7 to 1.0 N/mm <sup>2</sup>
Shear Adhesion at dry condition	$\geq 1.00 \text{ N/mm}^2$	1.1 to 1.3 N/mm <sup>2</sup>

**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

- Good Adhesion
- Easy to use, just mix with water & apply
- Suitable for wet areas
- Soaking of tiles is not required
- No need curing, no need hacking
- Good adhesive bond strength
- No Vertical Slip
- Excellent Workability
- Application up to 10 mm

## 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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