



Polymer Modified Tile Adhesive CITE

GripON Tile Adhesive 2700 an offering from Enviro Buildmate Pvt Ltd is polymer-modified cement-based construction adhesive needs to be mixed with water for installation of ceramic tiles, Vitrified tiles on interior floor, Wall and external floor area.

**TILE ADHESIVE**  
**2700**



Packaging Size: 20 / 40Kg Bag

## Features and Benefits

- High Bond strength.
- Useful for bed thickness of 3 to 12 mm.
- No curing and hacking required on substrates.
- Complies to ISO C1TE standards.

Cementitious (C) Normal Adhesive (1) Slip Resistance (T) Extended Open Time (E)

## Recommended Substrate

- Cement Plaster
- Concrete
- Brick and Block masonry
- Cement Screed
- Tile on Tile Application
- External Top terrace

## Application Methodology

### Surface Preparation

- The surface to be tiled should be sound and thoroughly clean to remove all oil, grease and dirt. Surface should be in Level to achieve desire coverage. Wet the surface before Application of Adhesive.

### Mixing

- Add three parts of GripON Tile Adhesive 2700 powder to one part of water. The addition of water should be adjusted to attain the desired consistency. Always add Powder into Water.
- Mixing can be done manually or by low speed Stirrer continuously 5 to 10 Min to Obtain Homogeneous Lump Free Paste.
- After Proper Mixing Leave Paste for 5 Minutes for Polymeric Dispersion.
- Use Paste Within 80 Min.

## Method of Application

- Spread the adhesive with notched Trowel, remember to only apply the adhesive paste that can be tiled within 30 minutes.
- Start placing the tiles on the surface to be tiled. Place the tiles properly to ensure complete coverage of the backside of tiles and to eliminate the possibility of any Air voids.
- Double buttering of Adhesive is recommended for fixing heavy tiles
- Keep joints between two-tiles by using spacers.

## Precautions & Limitations

- Do not add more water than recommended
- Do not add cement at site.
- Not recommended application on direct gypsum plaster, metal, wood surface and paint.

## Technical standards and performance

Appearance	Cement Grey Powder
Mix ratio	Approx. 3 Powder: 1 part of water (by vol.)
Open time	30 Minutes
Adjustment Time	30 Minutes
Pot life	90 Minutes
Coverage	25 Sq.ft / 20 Kg Bag at 6 mm thickness 70 - 80 Sq.ft / 20 Kg Bag at 3 mm thickness
Foot Trafficable	24 hrs.
Applicable standard	ISO 13007/EN 12004/ IS15477, C1TE Adhesive
Tensile adhesion strength	> 0.5 Mpa @ 28 days

## Properties as per EN 12004: 2017 (C1TE)

Properties with Test Method	Requirements	Value range
Tensile Adhesion Strength (Clause 8.3)		
Initial	$\geq 0.50 \text{ N/mm}^2$	0.80 – 1.10 N/mm <sup>2</sup>
After water immersion	$\geq 0.50 \text{ N/mm}^2$	0.60 – 0.80 N/mm <sup>2</sup>
After heat aging	$\geq 0.50 \text{ N/mm}^2$	0.80 – 1.00 N/mm <sup>2</sup>
Open Time @ 15 Minutes: Tensile Adhesion Strength (Clause 8.1 & 8.3)	$\geq 0.50 \text{ N/mm}^2$	0.50 - 0.60 N/mm <sup>2</sup>
Slip (T) (Clause 8.2)	$\leq 0.50 \text{ mm}$	0.35 - 0.45 mm

**Properties as per IS 15477: 2019 (Type 1 T)**

Properties with Test Method	Requirements	Value range
Tensile Adhesion Strength (As per annexure A) Dry Condition Wet Condition	$\geq 1.00 \text{ N/mm}^2$ $\geq 1.00 \text{ N/mm}^2$	1.20 – 1.60 N/mm <sup>2</sup> 1.00 – 1.30 N/mm <sup>2</sup>
Shear Adhesion Strength (As per annexure B) Dry Condition Heat Aging Condition Wet Condition	$\geq 1.25 \text{ N/mm}^2$ $\geq 1.00 \text{ N/mm}^2$ $\geq 1.00 \text{ N/mm}^2$	1.10 – 1.50 N/mm <sup>2</sup> 1.00 – 1.40 N/mm <sup>2</sup> 1.00 – 1.20 N/mm <sup>2</sup>
Open Time (As per annexure C)	As per Manufacturer	30 Minutes
Adjustment Time (As per annexure D)	As per Manufacturer	15 Minutes
Slip (As per annexure E)	$\leq 0.50 \text{ mm}$	0.20 - 0.35 mm

**Packaging - Available in 20 / 40kg bag**

## Storage

- GripON Tile Adhesive 2700 has a shelf life of 12 months, when stored in unopened Bag under normal warehouse conditions.

## Caution

- For Health & Safety Gloves should be worn during application. Any splashes on the skin or eyes must be washed off with clean water. In case of prolonged irritation medical advice should be sought.