



# MASTER STA 525

All Rounder Polymer Modified Tile Adhesive C2TE / T 3T



ISO 9001:2015



Smart Cities & Green Building Concept in India

## Description

MASTER STA 525 is a highly polymer modified tile adhesive specially formulated for the installation of large format vitrified tiles, porcelain, glass mosaic, marble, granite & natural stone with low water absorption rate for both vertical and horizontal application on internal as well as external use.

## Features and Benefits

- Ready to use, only need water for mixing
- Suitable for indoor and outdoor use.
- High strength, polymer modified
- Long open time
- Useful for bed thickness of 3 to 12 mm. May go up to 15mm in limited extent.
- No curing and hacking required on substrates.
- Complies to EN / ISO C2TE standards.
- Exceeds IS 15477:2019 – Type 3 T Adhesive standards.

## Recommended Substrates

- Concrete Surface.
- Cement Plaster or screed.
- Ceramic, Vitrified, Porcelain, Natural stone, Granite.
- Brick Masonary.
- Under water application like swimming pool & fountain.
- External top terrace.

## Limitations

- Do not use on wet screed or plaster. Surface must be fully cured.
- Can only be used on cementitious waterproofing. Don't use on epoxy or polyurethane water proofing.
- Do not use for Installing glass tiles or metal tiles.
- Do not use on metal, rubber, plastics, vinyl, linoleum surface, painted substrates.

## 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 desired coverage. Wet the surface before application of adhesive.

### Mixing

- Add three parts of MASTER STA 525 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 the paste for 5 Minutes for polymeric dispersion.
- Use paste within 90 Min

### Note:

- Do not attempt to extend the pot life by adding more water to the mix.
- Do not add any additional substance, like cement, sand etc.

### Method of Application Tile /Stone

- 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.
- Back butter large format tiles (> 12"x12") to provide full bedding and firm support.
- Place the tiles properly to ensure complete coverage of the backside of tiles and to eliminate the possibility of any air voids .
- If adhesive is skinned over (not sticky), remove and replace with fresh adhesive.
- Keep joints between two-tiles by using spacers.

## Application Standards

The adhesive mortar conforms to EN 12004 & ISO 13007 C2TE

Classification	Characteristic	Requirement	Master STA 525
C2 – Improved cementitious adhesive	Tensile Adhesion strength	≥ 1.0 N/mm <sup>2</sup>	1.6 N/mm <sup>2</sup>
	Tensile adhesion strength after water immersion	≥ 1.0 N/mm <sup>2</sup>	1.4 N/mm <sup>2</sup>
	Tensile adhesion strength after heat aging	≥ 1.0 N/mm <sup>2</sup>	1.4 N/mm <sup>2</sup>
	Tensile adhesion strength after freeze-thaw cycle	≥ 1.0 N/mm <sup>2</sup>	N/A
T – Slip resistance	Slip	≥ 0.5 mm	No slip

**The Adhesive mortar conforms to IS 15477: 2019 - Type 3T Adhesive**

Type	Properties	Requirement	Master STA 525
Type 3 Adhesive	Tensile adhesion dry	1.0 N/mm <sup>2</sup>	1.5 N/mm <sup>2</sup>
	Tensile adhesion wet	1.0 N/mm <sup>2</sup>	1.4 N/mm <sup>2</sup>

**The Adhesive mortar conforms to IS 15477: 2019 - Type 3T Adhesive**

Type	Properties	Requirement	Master STA 525
Type 3 Adhesive	Shear Adhesion Strength : Dry Condition	1.5 N/mm <sup>2</sup>	1.6 N/mm <sup>2</sup>
	Shear Adhesion Strength : Heat Aging Conditions	1 N/mm <sup>2</sup>	1.3 N/mm <sup>2</sup>
	Shear Adhesion Strength : Wet Conditions	1 N/mm <sup>2</sup>	1.25 N/mm <sup>2</sup>

## Product Details

Physical State	Powder
Colour	Grey & White
Bulk Density	1.5 to 1.6 gm/cc
Mix Density	1.8 to 1.9 gm/cc
Mixing Ratio ( Powder : Water )	3:1 by volume
Pot Life	90 Min
Open Time	30 Min
Adjustable Time	30 Min

## **Coverage**

50 – 60 Sqft/ 20 kg bag square notched trowel for thickness of 3mm.

## **Packaging**

20 Kg double layered BOPP bag

## **Shelf Life**

Master STA 525 has a shelf life of 12 Month from the month of manufacturing, for unopened bags, stored in dry condition.

## **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.

**GLOBE CONSTRUCTION CHEMICAL PVT. LTD.**

**An ISO 9001 : 2015 Company**

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