



Tilobond Premium 500

Polymer Modified Tile Adhesive C1TE/T 1T



ISO 9001:2015



Smart Cities & Green Building Concept in India



Description

Tilobond Premium 500 is a polymer modified thinset tile adhesive for fixing ceramic tiles, in internal areas. It is suitable for both vertical and horizontal application, over the cementitious substrate. It is supplied as a drymix mortar, to which water needs to be added before application.

Features

- Ready to mix just need to add water
- Can be used in internal areas, for floor as well as wall application.
- No hacking of the substrate required to achieve the required bonding.
- Self curing
- Water resistant.
- Excellent adhesion and low shrinkage
- Useful for bed thickness of 3-12 mm. May go upto 15mm in a limited extent.

Recommended Substrate

- Cement Plaster
- Tile on Tile Application
- Dry & Wet Area
- Cement Screed
- Concrete masonry

Application Methodology

Surface Preparation

- Clean the substrate of oil stains and bond inhibiting compounds, dirt, dust, and laitance, if any, use high-pressure water jet or any other suitable method for cleaning.
- The substrate should be cured sufficiently to avoid the shrinkage cracks
- Saturate the surface thoroughly and remove excess water before the application of Tilobond Premium 500.

Preparation Of Mixing

- Add three parts of Tilobond Premium 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 using starrier machine to achiever homogeneous lump free paste.
- After proper mixing leave paste for 5 Minutes for polymeric dispersion.
- Use paste within 90 min.

Method of Application

- Spread the adhesive to thickness of approx. 3 - 6 mm with a notched trowel remember to only apply the adhesive paste that can be fixed within 10-15 miuntes.
- 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.
- Keep joints between two-tiles by using spacers.
-

Application Standards

EN 12004 & ISO 13007 (C1TE),IS 15477:2019 (Type 1)

EN/ISO Data

Tensile Adhesion Strength		
Test Method	Requirement	Typical Value
Tensile Adhesion Strength Initial	$\geq 0.50 \text{ N/mm}^2$	0.51 – 0.58 N/ mm ²
Tensile Adhesion Strength After Water	$\geq 0.50 \text{ N/mm}^2$	0.50 – 0.60 N/ mm ²
Tensile Adhesion Strength Heat Ageing	$\geq 0.50 \text{ N/mm}^2$	0.51 – 0.58 N/ mm ²

IS Data

Tensile & Shear Adhesion Strength		
Test Method	Requirement	Typical Value
Tensile Adhesion Dry (28 days)	$\geq 0.50 \text{ N/mm}^2$	0.60 – 0.63 N/ mm ²
Tensile Adhesion Wet (28 days)	$\geq 0.50 \text{ N/mm}^2$	0.50 – 0.53 N/ mm ²
Shear Adhesion (Heat Ageing) (14 days at room temp + 14 days at oven)	1.00 N/mm ²	1.10 – 1.12 N/ mm ²

Product Details

Appearance	Grey powder
Bulk density	1.5 to 1.55 gm/cc
Mix density	1.80 to 1.85 gm/cc
Mixing ratio(powder to water)	3 :1 by volume
Pot life	80 -90 min
Open time	15 min
Adjustment time	10 min
Foot trafficable	24 Hrs

Coverage

Approx 55-60 sqft/20 kg bag for 3 mm bed

Packaging

20 Kg BOPP bag

Shelf Life

12 months from the month of manufacturing for unopened bags. Store in dry condition.

GLOBE CONSTRUCTION CHEMICAL PVT. LTD.

An ISO 9001 : 2015 Company

HISS No. 219, S.No. 55/2/2, Behind Prayaja City, Vadgaon Khurd, Pune – 411051

MOB : CC - +91 8888323846, Mail Id globechemicals055@gmail.com