



TERRAFIX 301 (C2 TE S2/ TYPE 3T S2)

TERRAFIX 301 is a multipurpose polymer fortified flexible adhesive specially designed for a heavy-duty application like cladding of Italian Stones, Granite, Marble, Heavy Stones on internal / external *vertical surfaces. It also allows swimming pool areas application. The premium-grade multi-use adhesive has very high adhesion strength, excellent water resistance, excellent tensile adhesion & shear adhesion strength. The product complies with EN 12004, 1515477-2019, ISO 13007 standards.

RECOMMENDED APPLICATION SUBSTRATE

- Plaster
- Block Masonry
- Cement boards*
- Screed
- Existing Vitrified Tiles*
- Existing Natural Stones**
- Brick Masonry
- Existing Ceramic Tiles**
- Cement Mortar Beds

BENEFITS & KEY FEATURES

-  **READY TO MIX PRODUCT**
-  **LONGER POT LIFE**
-  **SUPER ADHESION**
-  **HIGHLY FLEXIBLE**
-  **EASY APPLICATION**
-  **IMPROVED WORKABILITY**

TECHNICAL SPECIFICATION

Appearance & Form	Grey/White Free Flowing Powder
Pot Life	3 to 4 hours @ 25°C
Setting Time (Foot Traffic)	16 Hours for light foot Traffic @ 30°C 24 Hours for Heavy foot Traffic @ 30°C
Tensile Adhesion	upto 1.6 Mpa @ 28 days dry condition
Shear Adhesion	15.6 to 16.5 KN @ 28 days dry condition
Water Ratio	25 To 30 %
Notch Trowel Type	Use Thin Bed Trowel (6mm)* Use Thin Bed Trowel (12mm)**
OpenTime	>30 minutes @25°C
Slip Resistance	0.3 to 0.4 mm
Transverse Deformation	> 2.5 mm
Standard Compliance	EN 12004, IS 13007, IS 15477-2019
Class	C2 TE S2/ TYPE 3T S2

*Consult with our technical advisor for cladding Applications for interior/external and horizontal/vertical applications. Specifications may vary due to continuous product development.

PRECAUTION & LIMITATIONS

For the installation of tiles and stones on internal walls and floors. It must have movement joints. The tile or stone must have a joint on the periphery area should not be founded by plaster. Tile and stone should not be installed on expansion joints.

DIRECTION FOR USE

SURFACE PREPARATION



- All substrate should be cleaned & free from dust, oil and grease.
- All substrate should be levelled, flat, well-adhered and must have normal absorption property.
- All substrate should be sufficiently cured to avoid shrinkage cracks.

MIXING



- Add part B in a Clean vessel followed by adding powder part A.
- Mix with a low-speed mixer to a trowelable consistency.
- Do not attempt to extend pot life by adding more water to mix. Mix the required quantity only.
- Allow the paste to stand (slake) for 2 min for maturity.

APPLICATION

- Spread the adhesive to a thickness of approx. 3-6 mm and comb with a notched trowel. Use a proper sized notched trowel to ensure full bedding of the tile. Strictly apply adhesive paste which can be filed within 10 to 15 min.
- Start placing stone/tiles on the surface. Firmly press the stone/tiles into the adhesive to ensure good initial bonding. Tap stone/tiles properly to ensure complete coverage of the backside to eliminate the possibility of any air voids.
- Keep the joints between two tiles using tiles spacer if required.
- Do not disturb or move the tile. Allow it to dry for 24 hours and start filling joints (grouting) the next day.
- Back butter large (>12"x12") tile to provide bedding & firm support.
- If adhesive is skinned over and not sticky, remove and replace with fresh adhesive.
- Use mechanical clamps for holding the heavy stones in position on a vertical surface.

NOTE

In hot weather the evaporation of moisture in cement is very high the substrate must be dampened & must-have 35°C. • in case of undulation in the exiting floor, rectify the same before applying TERRAFIX 301. • Surfaces where tiles have to be fixed or application areas should be properly cleaned, free from dust. The area should be properly levelled, well cured and must not be covered with grease or oil and should be in good condition.

GLASS MOSAIC

- Apply the mix to the substrate. Notch with trowel approximately 6 mm is recommended to get bed thickness of 3 mm. strictly apply the paste, which can be tiled in 10 - 15 min. Start placing glass mosaic and beaten gently with a rubber mallet to ensure 100 % full bedding.
- Excess adhesive must be cleaned from the surface of the tile with a wet cloth and sponge

*contact technical person for exterior application.

PACKAGING

20 kg Bag
&
5 Litre Bottle

COVERAGE

45-55 sq. ft / 20 kg Bag @3-4 mm Thickness
25-30 sq. ft / 20 kg Bag @6-7 mm Thickness

SHELF LIFE

12 months from the date of packing. Should be stored in cool & dry condition, keep away from direct sunlight.