



STANDARD SET

PU ULTRA

High Performance Two
Component PU Adhesive

5TS2 R2T



Product Description

PU ULTRA is two component Polyurethane Adhesive, designed for permanent bonding of wide range of all types of tiles, glass mosaic, sensitive natural marbles, granite stones slabs and synthetic / engineered stone on interior & exterior walls and floor areas. SET PU Ultra adhesive is also suitable for superior bond strength on substrates such as plywood, glass or metal. It also provided balanced thixotropic and superior performance elasticity ensured by the use of stabilized polyurethane resin for rapid and secure laying operations on high deformable and high-expansion substrates.

Special Features & Standard Followed

- **IS: 15477 - 2019** classified as **TYPE-5 TS2** Adhesive
- **EN 12004 - 2017:** Classified as an **R2T** Adhesive
- Easy to use and creamy mix consistency to work
- High Elasticity, extremely flexible and resistant to ageing
- Highly thixotropic and non-sag formula
- Superior bonding and UV Resistance with stability to Thermal shock

Application

- Suitable for all size tiles and stones fixing
- Suitable for internal & external wall applications with all type of vitrified tiles and stones
- Suitable for granite, marble, composite marble all types of natural stones and large scale tiles
- Ideal for marble and natural stone installations on various types of substrates.

Suitable Substrates

- Ceramic Tiles, Vitrified Tiles, Glass Mosaic & Glass Tiles, Large size tiles
- Artificial Stone / Engineered stones, Composite Marble
- Wood, Plywood and its derivatives
- All non - absorbent substrates
- Non-porous surfaces such as glass, metal etc.
- Metal substrates - Aluminium, Brass, MS plates, etc.
- Humidity sensitive natural stones, marble & Granites

Technical Properties

Testing Parameters	Result	Testing Parameters	Result
Appearance	Part A : White / Part B : Base White	Adjustability Time @ 25° - 27°C	>1 Hour
Mixing Ratio	Part A : Part B = 4 : 1	Grouting	16 Hr. on walls / 24 Hr. on floor
Open Time @ 25° - 27° C	> 1 Hour	Slip (Vertical Slip)	≤ 0.5mm
Pot Life @ 23° - 27° C	> 1 Hour	Deformability	≥ 10 mm (S2 Category)
Application Temp. range	+10°C to + 40°C	Tensile Adhesion Strength	Dry condition ≥ 3.0 N/mm ²
Setting Time	24 Hours	Shear Adhesion Strength	Dry condition ≥ 6.0 N/mm ²
Foot Trafficable Time	24 Hours	Shear Adhesion Strength	Heat Ageing condition ≥ 3.5 N/mm ²

Coverage

Approx. 2 - 3 kg/m² (at approx. 3 mm bed thickness)

Packing

1 kg, 4 kg & 10 kg

Shelf Life

Factory sealed packs are best before 12 months from the date of manufacturing in unopened condition and stored in cool & dry area.