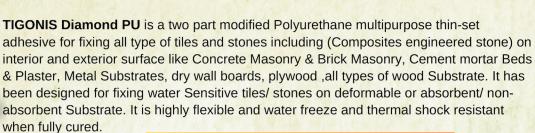


Modified polyurethane based multipurpose adhesive for stone & tile fixing





Physical Properties

| Appearance | PART.A: White Paste PART.B: Cream Paste | |
|-----------------------------------|--|--|
| Mixed Density | 1.65 ± 0.1 kg / Liter | |
| Shelf Life | 12 Month in the Original Packing | |
| Mixed Material Appearance | Off White Paste | |
| Open Time | Minimum 60 minute | |
| Adjustability | Minimum 60 minute | |
| Pot Life | Minimum 60 minute | |
| Vertical Slip | ≤ 0.5 mm | |
| Foot Traffic | = 24 Hour | |
| Grouting | = 12 Hours on walls= 24 Hour on floors | |
| Temperature range for application | 10°C to 40°C | |
| Coverage | 20-25 sqft per 4 kg Bucket | |

4 Kg Bucket (PART A: 3.200 Kg/ PART B: 0.800 Kg)

Mixing

Tigonis Diamond Adhesive is prepared by mixing together parts A and part B from the bottom upwards, using a low-rev (=400/ min) halicidalagitator with present mixing of 4:1 of the packs. Pour Part B into the bucket containing Part- A, being careful to mix the two parts uniformly until a smooth paste is obtained.

Test results are indicative as per testing method specified in standard. Test results may vary as per substrate. Site condition & testing machine etc. Actual held performance will depend on installation method and site conditions.

Performance As per EN12004 (R2T)

| | Requirement | Test Result |
|---|-------------|----------------|
| Initial Shear Adhesion Strength | ≥ 2.0 N/mm2 | ≥ 5.0 N/mm2 |
| Shear Adhesion Strength after water immersion | ≥ 2.0 N/mm2 | ≥ 5.0 N/mm2 |
| Shear Adhesion Strength after thermal shock | ≥ 2.0 N/mm2 | ≥ 5.0 N/mm2 |
| Slip resistance | ≤ 5.0 N/mm | ≤ 0.3mm |

Performance As per IS 15477:2019 (Type 5 T S2)

| | R | equirement | Test Result |
|--|-----|------------|-------------|
| Tensile Adhesion at Dry Condition at 28 days | ≥ | 2.0 N/mm2 | ≥ 2.0 N/mm2 |
| Tensile Adhesion at Wet Condition | | | ≥ 1.5 N/mm2 |
| Shear Adhesion at Dry Condition | 2 | 6.0 N/mm2 | ≥ 7.0 N/mm2 |
| Shear Adhesion at Wet Condition | * * | | ≥ 5.0 N/mm2 |
| Shear Adhesion at Heat Ageirg | 2 | 3.0 N/mm2 | ≥ 5.0 N/mm2 |
| Deformability (s2) | ≤ | 5mm | ≤ 30mm |



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