

TECHNICAL INFORMATION

TRU BOND 100

Cementitious tile adhesive for floors

- Overview** A cementitious polymer modified tile adhesive designed for the installation of all types of Ceramic tile and small format natural stones over concrete and on a variety of cement substrates.
- Key Features**
- ◆ Ready to use, Just add water.
 - ◆ Easy mixing and application
 - ◆ Excellent adhesion, low shrinkage
 - ◆ For fixing Ceramic tiles over floors and walls
 - ◆ Formulated with locally sourced minerals
 - ◆ Contribute to LEED points
- Standards**
- ◆ TRUBOND 100 exceeds the performance requirements of IS 15477: 2019 Type 1;
 - ◆ Complies with EN 12004: 2017 and ISO 13007: 2010 with Class “C1” and “T” Characteristics
 - ◆ Exceeds ANSI A118.1: 2019 Shear bond Strength requirements
- Areas of Application**
- ◆ For Interior Floors
 - ◆ Can be used for a variety of Ceramic tiles and Small format natural stones
 - ◆ Suitable for Substrates like, Concrete, Concrete Masonry, Concrete Slabs, Cement Mortar Beds, Cement Plaster, Brick Masonry, Cement Terrazzo, Cement Screed, Conventional renders, Existing Natural Stone, etc.
- Note:** Contact Our Technical Services for recommendations.
- Installation**
- Preparation**
- ◆ All Substrates should be structurally sound, clean and free from any kinds of debonding agents, dust, grease, oils, paint, release agents, etc..
 - ◆ Clean the area and completely remove all the construction debris before the application.
 - ◆ All tile and non-porous surfaces should be cleaned well with neutral water based cleaner followed by cleaning with water.
- Mixing**
- ◆ Use clean, potable water for mixing
 - ◆ Add TRUBOND 100 to the clean water into the mixing pot.
 - ◆ Use approximately 4 to 5 L of water for 20 kg of Powder.
 - ◆ Use a slow speed mixer for mixing or mix it by hand.
- Application**
- ◆ Always, Use an appropriate Standard notched trowel for application.
 - ◆ Spread the tile adhesive not more than 1 sq. m. at a time, comb it to the required depth using a suitable notched trowel.
 - ◆ Place the tile/stone in the wet adhesive and adjust the tile by pressing the tile firmly into a position with a twisting action.
 - ◆ Use a beating block or a Rubber mallet to embed the tile properly.
- Protection**
- Protect the surface against rain for at least 24 hours.
Keep the floor away from general foot traffic for at least 24 hours after application.
Prohibit heavy foot traffic for 14 days.

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Grouting Grout installation shall be carried out after 24 hours of application.
 Note: Wall joints can be grouted after 7 to 8 hours of application and floor joints after 24 hours of application.

Technical Data (typical values)		
General		
Bulk density (kg/m ³)	1490	
Dry Solid Content	100	
Application		
Mixing ratio	100 Parts of TRUBOND 100 with 20 to 25 parts of water (by weight)	
Density of the mix (kg/m ³)	1125	
pH of the mix	13	
Pot life	2 to 3 hours	
Application Temperature	5 to 40 °C	
Open time	5 to 10 minutes	
Time to Heavy traffic	24 hours	
Ready for grouting	24 hours	
Performance (TRUBOND 100 mixed with water)		
Parameters	Requirement	Typical Values
Tensile Adhesion Strength IS 15477: 2019 Dry Condition Annex A (Clause 5.1)	Minimum 0.50 N/mm ²	0.70 to 0.80 N/mm ²
Shear Adhesion Strength IS 15477: 2019 Dry Condition Annex B (Clause 5.2)	Minimum 1.0 N/mm ²	1.20 to 1.25 N/mm ²
Slip Resistance IS 15477: 2019 Dry Condition Annex E (Clause 5.5)	≤ 0.50 mm	0.25 to 0.35 mm
IS 15477: 2019 Classification	The adhesive confirms to IS 15477 Type 1T	
Open time (EN 1346)	≥ 0.50 N/mm ²	0.60 to 0.65 N/mm ²
Initial tensile adhesion Strength (EN 1348 Clause 8.2)	≥ 0.50 N/mm ²	0.70 to 0.80 N/mm ²
Tensile adhesion Strength after water immersion (EN 1348 Clause 8.3)	≥ 0.50 N/mm ²	0.70 to 0.80 N/mm ²
Tensile adhesion Strength after heat ageing (EN 1348 Clause 8.3)	≥ 0.50 N/mm ²	0.65 to 0.70 N/mm ²
EN 12004: 2017/ISO 13007: 2010 Classification	The adhesive confirms to EN 12004/ISO 13007 as C1T	
Glass wall tile Shear adhesion Strength (7 days: ANSI A118.1 – Clause 7.1.2)	> 200 psi (1.38 N/mm ²)	210 to 240 psi (1.44 to 1.65 N/mm ²)
Glass wall tile Shear adhesion Strength after water immersion (7 days: ANSI A118.1 – Clause 7.2.4)	> 100 psi (0.68 N/mm ²)	140 to 150 (0.96 to 1.03 N/mm ²)
ANSI A118.1 Requirements	The adhesive confirms to ANSI A118.1T	

Coverage A 20 kg bag covers approximately 5.5 to 6 m² (60 to 65 ft²) using a 6 mm x 6 mm square notched trowel for a bed of 3 mm.
 Note: Coverage are approximate. For actual values, contact our marketing team.

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Packaging & Shelf Life TruBond 100 is available as 20 kg bags.
Colour: Grey
Has a shelf life of 12 months from the date of Manufacturing when stored in a dry, elevated area in the original unopened packaging

Warning! Keep out of reach of Children.
Product for Professional Use
Wear Suitable protective clothing, gloves while handling
For Clarifications and Usage related queries, Contact our Technical Services

Additional Information

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The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. All the above information must in every case be taken as merely indicative and subject to confirmation after long time application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

The applicable version of the Technical Data Sheet for this product can be downloaded from our websites. Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of issue: 08.04.2024/VO