

Technical Information

TRU BOND 400

A Premium Multipurpose Cementitious tile adhesive for floor and Walls

Overview	A Premium Multipurpose highly polymer modified adhesive designed with enhanced performance properties for fixing large format sensitive stones, large format tiles, slim tiles on interior and exterior floor & walls on a variety of substrates.
Key Features	<ul style="list-style-type: none">◆ Single component, just add water◆ Easy mixing◆ Offers High strength for your large format sensitive stones◆ Bonds to various substrates◆ Exceeds IS 15477:2019 – Type 4 TS1 Adhesive standards.◆ Complies with EN / ISO with a C2TES1 classification.◆ Can be applied with high bed thickness of 15 mm.◆ Recommended for a variety of Substrates
Standards	<ul style="list-style-type: none">◆ TRUBOND 400 exceeds the performance requirements of IS 15477: 2019 Type 4TS1;◆ Complies with EN 12004: 2017 and ISO 13007: 2010 with Class “C2TES1” Characteristics
Areas of Application	<ul style="list-style-type: none">◆ For Interior and Exterior Walls and Floors◆ Can be used for a variety of tiles and stones◆ Suitable for Substrates like, Concrete & Concrete Masonry MIVON Concrete, Tremix concrete, Vacuum Dewatered Flooring, Cement Plaster, Ceramic tile, Vitrified Tile and Natural Stone, Glass mosaic tile, Brick Masonry, Cement Terrazzo, Vertical Cladding, etc.
Installation	<p>Preparation</p> <ul style="list-style-type: none">◆ 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. <p>Mixing</p> <ul style="list-style-type: none">◆ Use clean, potable water for mixing◆ Add TruBond 400 to the clean water into the mixing pot.◆ Use approximately 5.5 to 6 L of water for 20 kg of Powder.◆ Use a slow speed mixer for mixing or mix it by hand. <p>Application</p> <ul style="list-style-type: none">◆ 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. <p>Protection</p> <p>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.</p>
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.

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Technical Data (typical values)		
General		
Bulk density (kg/m ³)	1350	
Dry Solid Content	100	
Application		
Mixing ratio	100 Parts of TruBond 400 with 30 to 33 parts of water (by weight)	
Density of the mix (kg/m ³)	1100	
pH of the mix	13	
Pot life	4 hours	
Application Temperature	5 to 40 °C	
Open time	30 minutes	
Adjustability time	30 minutes	
Time to Heavy traffic	24 hours	
Ready for grouting	24 hours	
Performance (TruBond 400 mixed with water)		
Parameters	Requirement	Typical Values
Tensile Adhesion Strength IS 15477: 2019 Dry Condition Annex A (Clause 5.1)	Minimum 1.0 N/mm ²	1.80 N/mm ²
Tensile Adhesion Strength IS 15477: 2019 Wet Condition Annex A (Clause 5.1)	Minimum 1.0 N/mm ²	1.45 N/mm ²
Shear Adhesion Strength IS 15477: 2019 Dry Condition Annex B (Clause 5.2)	Minimum 1.25 N/mm ²	1.80 N/mm ²
Shear Adhesion Strength IS 15477: 2019 Heat Ageing Condition Annex B (Clause 5.2)	Minimum 1.0 N/mm ²	1.20 N/mm ²
Shear Adhesion Strength IS 15477: 2019 Wet Condition Annex B (Clause 5.2)	Minimum 1.0 N/mm ²	1.45 N/mm ²
Slip Resistance IS 15477: 2019 Dry Condition Annex E (Clause 5.5)	≤ 0.50 mm	≤ 0.35 mm
Transverse Deformation: (Clause 5.6)	≥ 2.5 mm for S1	> 3.5 mm
IS 15477: 2019 Classification	The adhesive confirms to IS 15477 Type 4TS1	

Coverage A 20 kg bag covers approximately 5.5 to 6.0 m² (60 to 65 ft²) using a 6 mm x 6 mm square notched trowel for a bed of 3 mm.
Note: Coverage is approximate. For actual values, contact our marketing team.

Packaging & Shelf Life TruBond 400 is available as 20 and 40 kg bags.
Colour: Grey and White
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

Technical Information

Additional Information Rohith Industries
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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/O