

ROOFTECT PRIME

Waterproof Coating for Roofs

ASTRAL

TRUBUILD™

TECHNICAL DATA SHEET VER NO. N.1

TRUBUILD ROOFTECT PRIME is a single-component, acrylic-based, high-performance waterproofing coating that provides excellent protection for terraces, chajjas, and similar surfaces. It forms a seamless membrane with excellent elongation and superior crack-bridging ability.



FEATURES & ADVANTAGES



**WATER PRESSURE
RESISTANCE
UP TO 5 BAR**



**ELONGATION UP
TO 150%**



Low VOC



LEAD-FREE

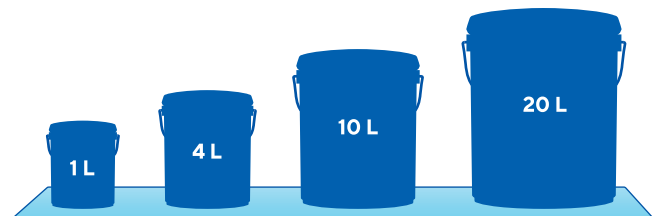
- Best-in-class waterproofing system
- Superior elongation up to 150% and excellent hairline crack-bridging ability
- Single-component, easy to use
- Resists positive hydrostatic water pressure up to 5 bars

- Durable coating
- Excellent weather resistance
- Good UV resistance
- Excellent adhesion to the substrate
- Water-based and eco-friendly

AREAS OF APPLICATION



PACKAGING



• Brick bat coba • Sloped or flat roofs • Cement mortar screed • China Mosaic and tile roofs embedded in RCC • For miscellaneous surfaces, contact the Trubuild Technical Service Team

Note: For China Mosaic and other roof tiles, use Trubuild Primesure Premium Primer.

METHOD OF APPLICATION

- **SURFACE PREPARATION:** Remove all loose and unsound materials, oil, dirt, and debris from the substrate. Any existing waterproofing coatings must be removed by mechanical means to ensure proper bonding and avoid failure of the new waterproofing system.
- Fill all existing cracks up to 5 mm by creating a “V” groove and filling it with **Trubuild Crack Fill Paste**. For cracks larger than 5 mm, use polymer-modified mortar with **Trubuild SBR 333**.
- At the wall-slab junction, provide an angle fillet using **Trubuild SBR 333** or **Trubuild Buildcrete** (at 10–12% of cement weight in the mortar). Repair all patches and joints using polymer-modified mortar and ensure the surface is sound and stable.
- Maintain a proper slope of 1:80 to 1:100 on the substrate to ensure complete discharge of run-off water. There should be no stagnant water due to surface undulations.
- Ensure all penetration points, mechanical equipment, HVAC units, and solar panels are properly placed on upstands, rounded off with angle fillets, and sealed using **Trubuild Sealmaster Flexi Sealant**.
- For China Mosaic and other roof tiles (ceramic, marble, clay, granite), ensure the tiles are firmly fixed, repaired, primed, and grouted before the application of **Trubuild Primesure Premium**.

- **Note:** Not recommended for application on Kota Stone, Kadappa Stone, Mud Phuska Roofs, or Mangalore tile surfaces.
- Ensure sufficient drain outlets for complete water discharge from the roof. Gaps around pipe inserts must be sealed with **Trubuild Boretite**.
- **Application:** Begin by applying **Trubuild Rooftect Prime** as a self-priming coat. Mix it with water in a 3:1 ratio by volume, and then apply it to the substrate. Ensure the substrate is in a Saturated Surface Dry (SSD) condition before priming. The approximate coverage is 5.11 m²/L. Allow to dry for a minimum of 3-4 hours.
- If the surface is smooth or requires enhanced bonding, use **Trubuild Primesure Premium** (undiluted) as a primer for China Mosaic tile surfaces, with a coverage of **11-13 m²/L/coat**.
- After the primer has dried, apply the **first coat of Trubuild Rooftect Prime** (undiluted) horizontally at **3.44 m²/L/coat**. Allow it to dry for 4-6 hours. Then apply the **second coat** vertically (perpendicular to the first), undiluted, to achieve an overall forced coverage of **1.39 m²/L**. Allow the system to air cure for a minimum of **7-10 days**.

PRECAUTIONS

- Ensure all previous waterproofing treatments are completely removed before application.
- Avoid application if the substrate temperature is below 10°C or above 35°C. The Relative Humidity (RH) should not exceed 65%.
- Ensure proper use of materials to achieve the desired performance.
- Mix thoroughly using a low-RPM paddle mixer after opening the container to achieve a homogeneous mix.
- Avoid application during intermittent rain or on surfaces with stagnant or runoff water.
- Conduct a pond test only after a minimum of 7-10 days of air curing.
- Do not apply to water-retaining structures.
- Use all the material from the container in a single use once opened, to avoid contamination.
- Do not mix emulsion or water beyond the recommended dilution.
- Always use a brush or roller for coating application.
- Do not expose the material to direct sunlight. Store in a cool place and ensure the lid is closed tightly to prevent skin formation.
- Withdraw only the quantity of material that can be used within 15-30 minutes.
- Check and remove any existing cement paint thoroughly.
- Always use an air blower (not a hot air blower) to remove surface dust before starting the application.
- Do not use primers or repair materials from other manufacturers, as they may compromise performance.
- Follow the complete application system for optimal performance.
- For miscellaneous or non-standard surfaces, consult the Trubuild Technical Services Team for appropriate recommendations.
- Always use clean application tools to avoid contamination.
- Follow the recommended coverage rates strictly for optimal performance.
- Read all guidelines carefully and consult the Trubuild Technical Sales Representative before starting the application.
- If the surface has excess moisture, blistering or bubbling may occur with any liquid-applied membrane coating.
- Do not place stones, paver blocks, or earthen pots on the coated surface.
- Ensure the substrate is fully cured as per standard construction practices before coating.
- Coat both inner and outer faces of the parapet wall with Trubuild Rooftect Prime.

TECHNICAL PROPERTIES

S.NO.	PROPERTIES	STANDARD	ASTRAL TDS
1.	Colour		White
2.	Appearance		Opaque
3.	Crick-bridging Ability (mm)	EN 1062-7	1.1+/-0.10
4.	Tensile strength(N/mm ²)	ASTM D 412-2016	2.5+/-0.20
5.	Elongation (%)	ASTM D 412-2016	Up to 150
6.	Pull-out adhesion(N/mm ²)	ASTM D 7234:2002	1.3+/-0.2
7.	UV Resistance	ASTM G 154:2024	Pass
8.	Water permeability up to 5 Bars	EN-12390-8-2019	NIL
9.	Water Vapour transmission(g/m ² /day)	ASTM E 96:2024	40
10.	Dry Film Thickness (microns)		Approx. 250-260

COVERAGE

- **Self -primer Coat:** Trubuild Rooftect Prime diluted in a 3:1 water ratio – **5.11 m²/ L/ coat.**
- **Main Coating:** Trubuild Rooftect Prime (undiluted) – **3.44 m²/L/ coat;** a minimum of 2 coat required.
- System coverage including self primer and two undiluted coats – 24-28 m²/ 20Ltr.

Note 1: Coverage will vary depending on the porosity and undulations of the substrate.

Note 2: Trubuild Primesure Premium primer (undiluted) – **11-13 m²/ L/ coat.**

HANDLING & STORAGE

Follow all mandatory and recommended industrial hygiene practices while handling and processing. For detailed safety information, refer to the Material Safety Data Sheet (MSDS).

STORAGE: Store the product in a cool, dry place, away from direct sunlight, in its original, properly sealed container.

SHELF LIFE

36 months from the date of manufacturing.

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