

TRUBUILD TRUBOND PRO 1.5MM



TECHNICAL DATA SHEET VER NO. 1.1

Trubuild TruBond Pro is a preformed HDPE fully bonded membrane comprised of a thick HDPE film, pressure sensitive adhesive and weather resistant protective coating. These membranes bond with wet concrete cast on the membranes, to form an excellent sealing which effectively stops lateral water migration. Thus, it prevents ingress of water into the structure and tracking of water between membrane and structure. Reinforcement can be directly laid on top of membrane

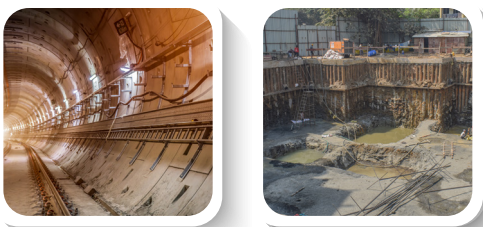
ADVANTAGES



- Excellent Adhesion with concrete placed over the membrane, to protect the structure effectively
- Low flatness requirement to substrate; reliable overlapping; fast and easy application.
- Lesser joints and overlaps, due to large roll widths.
- Adaptable to varying surface profile of the substrate.
- Resistant to high hydrostatic ground water-pressure.
- Resistant to aggressive ground water conditions.
- Eco-friendly material
- Good puncture resistance



AREAS OF APPLICATION



APPLICATIONS

- Basements
- Subways, underground metro
- Confined retaining wall
- Cut and cover tunnels
- Caverns
- Other underground civil works

AVAILABLE PACKING



Roll size of 20 m length x 2.4 m width

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HOW TO USE

SURFACE PREPARATION

- Horizontal Blinding – Monolithic concrete blinding must be free of loose aggregate and sharp protrusions.
- The surface does not need to be dry. However, standing water must be removed.
- Vertical confined surface – Use concrete, sacrificial plywood, masonry with flush levelled joints or other approved facing to provide smooth, level and even support to the membrane

MEMBRANE INSTALLATION

Trubuild Trubond Pro membranes can be applied at ambient temperatures of -4°C or above

HORIZONTAL SUBSTRATES

Place the membrane with adhesive side facing the concrete pour and HDPE film side facing the substrate.

End laps should be staggered to avoid a buildup of layers.

Accurately position succeeding sheets to overlap the previous sheet by 75 mm along the marked seldedge.

PRECAUTIONS & LIMITATIONS

Product is approved for uses only those specifically detailed in this product data sheet. Contact Technical Services where any other use is anticipated or intended.

Technical properties may vary by 5% due to practical challenges like variation in UTM machines, rate of loading, sample preparation, thickness measurement and other manual errors. Contact Technical services in such situations.

Note: Tensile strength & elongation has been tested longitudinally. Results in transverse direction.

TECHNICAL DETAILS

SR.NO	PROPERTIES	STANDARD VALUES	STANDARD TEST METHOD
1.	Color	White/Off white	Visual observation
2.	Roll size	20-meter length x 2.4-meter Width	
3.	Membrane Thickness (Composite)	1.5 mm	ASTM D 3767
4.	Tensile Strength	≥26 MPa	ASTM D 412 Modified
5.	Elongation at break	≥500 %	ASTM D 412 Modified
6.	Low Temperature Flexibility	-25°C	ASTM D 1970
7.	Puncture Resistance	≥1000 N	ASTM E 154
8.	Crack cycling	Pass	ASTM D 836/ASTM C 1305 Modified
9.	Resistance to Hydrostatic Head	≥60 meters	ASTM D 5385 Modified
10.	Overlap Width	75 mm	
11.	UV exposure limit	Up to 45 days	-

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STORAGE

Store in a dry and cool place

SHELF LIFE

Best before 12 months from the date of manufacturing.

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