

TRUBOND PRO

Premium Acrylic Cementitious Waterproofing Coating

ASTRAL

TRUBUILD™

TECHNICAL DATA SHEET VER NO. N.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

Standard Compliance / Specification

Complies with IS 16471:2017 & BS 8102:2009 recommendations for providing Type A protection



FEATURES & ADVANTAGES



ECO-FRIENDLY

- 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.



RESISTANT TO HIGH HYDROSTATIC PRESSURE



PUNCTURE RESISTANCE

- Resistant to high hydrostatic ground water-pressure.
- Resistant to aggressive ground water conditions.
- Eco-friendly material
- Good puncture resistance



ADAPTABLE TO VARYING SURFACES

AREAS OF APPLICATION



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

PACKAGING

Roll size of 20 m length x 2.4 m width

METHOD OF APPLICATION

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 selvedge.

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 PROPERTIES

S.NO.	PROPERTIES	STANDARD VALUES	STANDARD TEST METHOD
1.	Color	White/off white	Visual observation
2.	Roll size	20 meter length x 1.2 meter width	-
3.	Membrane thickness (composite)	1.5 mm	ASTM D 3767
4.	Membrane thickness (Bare HDPE)	0.9 mm	ASTM D 3767
5.	Tensile strength	> 25 MPa	ASTM D 412 modified
6.	Elongation at break	Up to 600 %	ASTM D 412 modified
7.	Low temperature flexibility	Pass	ASTM D 1970
8.	Puncture resistance	≥1000 N	ASTM E 154
9.	Crack cycling	Pass	ASTM D 836/ASTM C 1305 modified
10.	Resistance to Hydrostatic Head	≥60 meters	ASTM D 903 modified
11.	Peel adhesion to concrete	≥1250 N/m	ASTM D 903
12.	Resistance to hydrostatic head	≥70 meters	ASTM D 5385

STORAGE

Store in a dry and cool place.

SHELF LIFE

Best before 12 months from the date of manufacturing.

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