TREMCO™

TREMproof® 4000 TA
Torch Applied Bituminous Waterproofing Membrane

DESCRIPTION

TREMproof 4000 TA is a plastomeric waterproofing membrane, manufactured from mixture of bitumen and selected APP (Atactic Poly Propylene) polymers blended together to obtain excellent heat & UV resistance and waterproofing properties. Upper surface finish is available in PE film or fine sanded finish.

BASIC USES

TREMproof 4000 TA can be used as waterproofing membrane on

- Flat or pitched roof
- Foundations and basements
- Terraces, balconies and patios
- Bridge and cut and cover tunnels
- Concrete foundation and footings

FEATURES & BENEFITS

- Uniform thickness of 4mm
- Good heat resistance
- Easily installed using flame torch methods
- High puncture and fatigue resistance
- Good chemical resistance
- Water and vapour proof
- High tensile and tear strengths

PACKAGING

Dimension of the roll 1 x 10 m

DIRECTIONS FOR USE

Surface Preparation: The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compounds, oil and grease. All surface protrusions, structurally unsound and friable concrete must be removed and repaired with a suitable concrete repair mortar.

Priming: Apply TREMprime (solvent based primer) @ 4 – 6 m2/litre to a clean, smooth and dry surface by brush, roller or spray. Allow the primer to dry prior to the application of the membrane. As the viscosity is low, it easily penetrates into the concrete pores which promotes the adhesion between the membrane and the concrete surface.

Alignment: Start the installation of all membrane plies from the low point or drain, so that the flow of water is over or parallel to the plies, but never against the laps. All overlaps at the membrane seams shall be installed so as to have "up" slope laps over "down" slope laps. Begin membrane application by unrolling the roll of TREMproof 4000 TA membrane and aligning the side laps.

Application: Ensure that the surface to be waterproofed has been primed. Place the torchable side of the sheet down. Torch apply on layer of TREMproof 4000 TA, making sure the laps of 100 mm on the side, and 150 mm at the ends, are maintained. End joints must be staggered- the overlap of four corners is not permissible. The flame heat must be applied evenly and within the correct temperature range. A bead of liquid bitumen must be visible on the underside of the roll.

Protection: The membrane shall be protected from damage due to ongoing site activities or from aggregates during backfilling by a tough, weather, wrap and rot proof asphaltic protection board. Alternatively, on horizontal areas the membrane can also be protected by laying a cement sand screed (50mm).

SAFETY PRECAUTIONS

The Technical and Safety Data Sheets must be read and understood before use.

WARRANTY

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or colour. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase of the quantity or Tremco product proved to be defective or Tremco shall no be liable for any loss or damage.

PROPERTY	TEST METHOD	TYPICAL VALUE
Thickness, [mm]	DIN EN 1849-1	4.0
Mass per unit area [kg/m2]	DIN EN 1849-1	4.8 - 5.0
Length [m]	DIN EN 1848-1	10.0
Width [m]	DIN EN 1848-1	1.0
Tensile Strength [L/T] [N/5cm]	DIN EN 12311-1	900/700
Elongation at break [L/T] [%]	DIN EN 12311-1	40/45
Tear Resistance [L/T][N]	ASTM D 5147	200/200, 400/350
Impact Resistance [mm]	DIN EN 12691	1000
Water Absorption [%]	ASTM D 5147	0.20
Hydrostatic Pressure Resistance @ 5 bar	BS EN 12390 (8)	No leakage
Reaction to Fire	DIN EN 13501-1	Class E
Water Vapour Transmission [g/m^2/24hrs]	ASTM E 96	0.01
Shelf Life		12 months if stored as per recommendation