

PRODUCT DESCRIPTION

TREMproof Torch Antiroot is a 3.8mm thick, APP modified bituminous torch applied waterproofing membrane which is polyester spunbond, reinforced glass filament with extremely effective antiroot properties. TREMproof Torch Antiroot is applied as the top layer and provides a barrier against root growth throughout the entire membrane, including overlaps.

USAGE/PURPOSE

- Garden beds
- Green roofs
- Planter boxes
- Retaining walls

FEATURES & BENEFITS

- Tested to AS4654.1 ensures product meets industry requirements and documentation.
- APP Bitumen has a higher softening/melting point, making it more appropriate for roof applications compared to SBS Bitumen.
- Consistent 1m wide material allows for more accurate material quoting and more uniform material installation.
- Low Filler Quantity assists with melting of the bitumen for ease of installation.

PACKAGING

1m wide x 7.5m long rolls

COLOUR

Black

SHELF LIFE

12 months when stored as recommended in original unopened packaging.



STORAGE

Store in a dry place in an upright position in original packaging.

LIMITATIONS

TREMproof Torch Antiroot is not recommended for:

- Installation over existing membranes.
- Installation on damp surfaces.
- Installation in potable water areas.
- TREMproof Torch Antiroot is not to be used as an exposed and/or trafficable membrane system.

TYPICAL PHYSICAL PROPERTIES

CHARACTERISTICS	METHOD	UNITS	PERFORMANCE
Total Thickness	EN 1849-1	mm	3.8
Roll Length	EN 1848-1	m	7.5
Roll Width	EN 1848-1	m	1
Mass Per Surface Unit	EN 1849-1	kg/m ²	4.6
Surface			Silica Sand
Base			PE - Film
Selvage Edge		mm	75
Resistance to Root Penetration	EN 13948		Pass
Watertightness	EN 1928	≥ 10 kPa	Pass
Tensile Strength (L)	EN 12311-1	N/50mm	800
Tensile Strength (W)			600
Elongation at Break	AS4654.1 Appendix A	%	51
Tensile Strength	AS4654.1 Table A4	MPa	3.68
Flexibility at Low Temperature	EN 1109	°C	≤ -10
Temperature Resistance	AS4654.1 Clause 2.6	-15 to 85°C	Pass ≥ 130
Resistance to Impact (A, Hard Substrate)	EN 12691	mm	≥ 1250
Durability	AS4654.1 Table A4		Pass

Note: Typical Properties should not be used as Specifications.

SUBSTRATE PREPARATION FOR CONCRETE OR MASONRY SURFACES

1. Concrete shall be water-cured and attain a 20 MPa minimum compressive strength. Moisture content in the substrate must be lower than 4.5% as measured using a Tramex CME 4 Moisture Meter. Depending on concrete construction and job site location, additional concrete testing may be required. Please contact your local Tremco Representative.
2. Substrate shall be free of any laitance which may inhibit sufficient adhesion. Removal of laitance can be achieved through a variety of physical abrasion methods, such as, shot blasting (preferred method), sandblasting or grinding.
3. Surface shall be properly cleaned so that the surface to receive the primer is free of mould, paint, sealers, coatings, curing agents, loose particles, and other contamination or foreign matter that may interfere with the adhesion.
4. Spalled areas shall be cleaned free of loose contaminants prior to repair. Because jobsite conditions vary, it is recommended that you contact your local Tremco Representative. Depending on the substrate and depth of the spalled areas, a TREMcrete repair product will be recommended as the best method of repair.
5. All voids must be filled and all protrusions removed prior to application.

SUBSTRATE PREPARATION FOR METAL SURFACES

All surfaces shall be sand-blasted to meet the requirements of AS 1627.4, class 2.5 for "Near White Metal".

JOBSITE MATERIALS

Recommended materials and their uses are as follows:

- ❑ TREMproof Torch Bitumen Primer: Solvent based primer.
- ❑ TREMproof Torch Fleece: 1.9mm APP modified bitumen fibre back ventilated base sheet.
- ❑ TREMproof Torch 3000: 3mm APP modified bituminous torch applied waterproofing membrane.
- ❑ TREMproof Torch 4000: 4mm APP modified bituminous torch applied waterproofing membrane.
- ❑ TREMproofTorch 4000M: 4mm APP mineral surfaced modified bituminous torch applied waterproofing membrane.
- ❑ TREMproof Torch Anti-Root: 3.8mm APP modified bituminous waterproofing membrane extremely effective antiroot properties.

PRIMING

- ❑ All substrates must be primed with Tremco TREMproof Torch Bitumen Primer at a rate of 6-8m²/L.
- ❑ Allow primer to become tack free. Membrane should always be applied same day of priming application.

METHOD OF APPLICATION

- ❑ Torch apply one layer of TREMproofTorch 3000, maintaining side laps of 75mm and end laps of 150mm. Fully heat weld sheet to the primed substrate.
- ❑ Torch apply TREMproof Torch Antiroot, maintaining side laps of 75mm and end laps of 150mm.
- ❑ Ensure that all laps are fully heat welded and finished with a heated spatula.

MEMBRANE PROTECTION

- ❑ A slip sheet of heavy duty builder's plastic must be installed between the membrane and any solid topping.
- ❑ An approved membrane protection board and/or drainage cell should be installed over the membrane prior to backfilling or covering the system with ballast.

- ❑ Ensure membrane termination is per Engineers specification or requirements in AS4654.2.

CLEAN UP

- ❑ Clean all adjacent areas to remove any stains or spills of the TREMproof Torch Bitumen Primer with Tremco Xylol.
- ❑ Clean tools or equipment with Tremco Xylol.

TROUBLESHOOTING

This section describes common industry application issues when certain environmental conditions exist and their remedies. If any of these should occur, it is always recommended that you contact your local Tremco Representative.

1. When a deck contains too much moisture, the heat used to install the TREMproof Torch Antiroot may cause bubble to form in the primer or cause blisters/delamination in the TREMproof Torch Antiroot membrane. If this should occur, the blisters can be cut out, allowing moisture to escape. After moisture has escaped and the surface is dry, the area can be repaired using Tremco's Torch Bitumen Primer, a repair patch of TREMproof Torch Antiroot (100 mm overlap) and then Tremco's Dymonic 100 to detail all seams.

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet (SDS) must be read and understood prior to use.

TECHNICAL SERVICE

Tremco CPG Australia Pty Ltd has a team of Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

Tremco CPG Australia Pty Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG Australia written instructions and (b) in any application recommended by Tremco CPG Australia, but which is proved to be defective, will be replaced free of charge.

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