

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 10m 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.

TYPICAL PHYSICAL PROPERTIES

CHARACTERISTICS	METHOD	UNITS	PERFORMANCE
Total Thickness	EN 1849-1	mm	3.8
Roll Length	EN 1848-1	m	10
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) Tensile Strength (W)	EN 12311-1	N/50mm	800 600
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.

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.

SUBSTRATE PREPARATION FOR CONCRETE SURFACES

- ❑ All concrete and masonry surfaces shall be dry prior to installation of the TREMproof Torch Antiroot membrane. The substrate is considered dry using a Tramex CME 4 moisture meter, and having a substrate moisture content less than 4.5%. Depending on concrete construction and job site location, additional concrete testing may be required. Pending environmental conditions, this moisture reading is usually achieved prior to 28 days.
- ❑ All voids must be filled and all protrusions removed prior to application.
- ❑ Substrate should be broomed clean, free from loose aggregate, form release agents and other contaminants.
- ❑ Brick or masonry substrates should be rendered to a fine, smooth finish.

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.
- ❑ TREMproof Torch 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 TREMproof Torch 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 Polyroof LV to detail all seams.

HEALTH & SAFETY PRECAUTIONS

- ❑ The Safety Data Sheet (SDS) must be read and understood prior to use.
- ❑ TREMproof Torch Bitumen Primer is solvent based and must be used with adequate ventilation. Remove all naked flames and sources of ignition.
- ❑ Adequate ventilation is required to minimise exposure to bitumen fumes during torching process.

TECHNICAL SERVICE

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

Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.