

PRODUCT DESCRIPTION

TREMproof Torch Fleece is a 1.9mm thick, APP modified bitumen fibre back ventilated base sheet. TREMproof Torch Fleece is installed in multi-layer systems either fully adhered, loose laid or mechanically fastened.

USAGE/PURPOSE

TREMproof Torch Fleece has been designed to be used over thermal insulation, failed existing membranes and heat sensitive substrates.

FEATURES & BENEFITS

- ❑ 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.
- ❑ Fleece back sheet allows for existing moisture to vent with TREMproof Torch Vent & Cap from the system and increase the life of the roof assembly.

PACKAGING

1m wide x 15m long rolls

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.

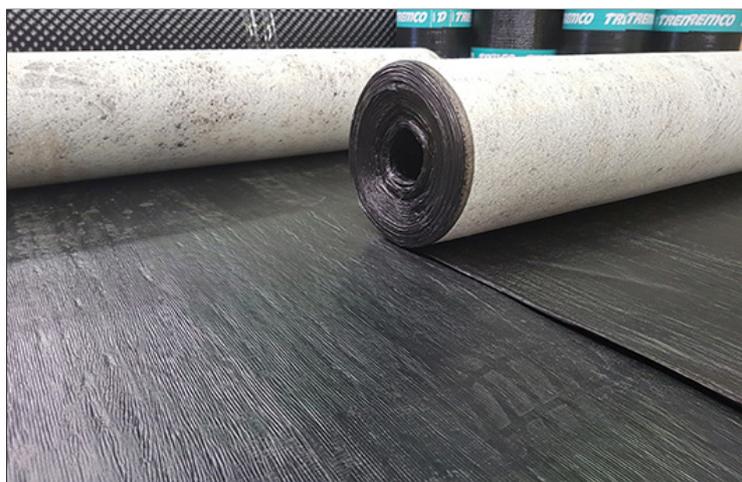
LIMITATIONS

TREMproof Torch Fleece is not recommended for:

- ❑ Installation in potable water areas.
- ❑ TREMproof Torch Fleece is not to be used as an exposed and/or trafficable membrane system.

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".



SUBSTRATE PREPARATION FOR CONCRETE SURFACES

- ❑ 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. Where moisture content exceeds 4.5%, TREMproof Torch Fleece may be mechanically fixed and vented (minimum 1 vent per 100m²) as per instruction below. Please contact Tremco Technical Services for further information.
- ❑ 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.
- ❑ 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.
- ❑ 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.
- ❑ All voids must be filled and all protrusions removed prior to membrane application.

TYPICAL PHYSICAL PROPERTIES

CHARACTERISTICS	METHOD	UNITS	PERFORMANCE
Total Thickness	EN 1849-1	mm	1.9
Roll Length	EN 1849-1	m	15
Roll Width	EN 1848-1	m	1
Mass Per Surface Unit	EN 1849-1	kg/m ²	1.65
Surface			PE - Film
Base			Polyester-staple Fleece + Glass Yarn-Reinforced
Watertightness	EN 1928	≥ 10 kPa	Pass
Tensile Strength (L)	EN 12311-1	N/50mm	450
Tensile Strength (W)			300
Elongation (L)	EN 12311-1	%	18
Elongation (W)			45
Tear Resistance (L)	EN 12310-1	N	100
Tear Resistance (W)			250+
Flexibility at Low Temperature	EN 1109	°C	≤ -5
Flow Resistance at Elevated Temperature	EN 1110	°C	≥ 100

Note: Typical Properties should not be used as Specifications.

JOBSITE MATERIALS

Recommended materials and their uses are as follows:

- ❑ TREMproof Contact Adhesive: Solvent based Adhesive.
- ❑ 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.

METHOD OF APPLICATION

Fully or Partially Bonded

- ❑ All surfaces must be primed with Tremco TREMproof Contact Adhesive at a coverage rate of 4-8m²/L. Coverage rate will depend on porosity of substrate. TREMproof Contact Adhesive must be allowed to become tacky before application of TREMproof Torch Fleece.
- ❑ TREMproof Torch Fleece is to be laid onto the applied adhesive and firmly rolled to achieve a sound bond, paying attention around sheet edges, and to avoid wrinkles or entrapment of air bubbles. Sheet laps are to be heat torch fused, but **only after a minimum of 1.5 hours after priming to allow solvents to evaporate.**

Mechanically Fixed Application

TREMproof Torch Fleece shall be placed and fixed into the exact position required. The spacing for the fixings is generally 1m apart through the centre area and 0.5m around the perimeter, however the fixing spacing will be dependent on the Engineers requirements.

CLEAN UP

- ❑ Clean all adjacent areas to remove any stains or spills of the TREMproof Contact Adhesive 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 3000/4000M may cause bubble to form in the primer or cause blisters/delamination in the TREMproof Torch 3000/4000M 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 3000/4000M (200 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.

Any information provided by Tremco CPG Australia in this document in relation to Tremco CPG Australia's goods or their use is given in good faith and is believed by Tremco CPG Australia 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 CPG Australia 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.

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