

Tremproof® 4000

APP modified bitumen torch applied membrane

Key Benefits Summary:

- Formulated specifically for Asia Pacific conditions
- Temperature resistant to 140°C
- 15 year proven record
- High strength minimising risk of site damage
- Resistant to hydrostatic pressure up to 40m head of water
- Easy to apply in tight areas such as corners and penetrations

Product Description:

Tremproof 4000 is an APP modified bituminous torch applied waterproofing membrane.

Usage/Purpose:

- Retaining walls
- Plaza decks
- Balconies
- Terraces
- Planter boxes
- Roofs
- In single layer application
- Multi layer applications with **Tremproof BS3** or **Tremproof 3000 Base Sheet**.

Limitations:

Tremproof 4000 is not to be used as an exposed membrane system.

Packaging:

1m x 10m roll.

Composition:

Tremproof 4000 is a heavy duty 180g/m², high strength, non woven polyester mat impregnated and coated with a tough APP polymer modified bitumen compound.

Characteristics:

Carrier:	180g/m ² non woven stabilised polyester.
Total thickness:	3.6-3.9 (nominal)
Roll length:	10m
Roll width:	1m
Surface:	Silica sand
Base:	Torch off perforated polypropylene film.
Selvage edge:	75mm

Note: Typical Properties should not be used as Specifications.

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Performance: (Typical Properties)

Coating ring & ball	(AS 2341-1980)	>155°C
Coating penetration	(AS 2341-1980)	23-30
Membrane tensile strength (kg/5cm)	(ASTM D828-71)	86MD
Membrane elongation	(ASTM D828-71)	50%
Membrane resistance to puncture	(ASTM E154/79)	1155N maximum load
Membrane penetration	(ASTM E154/79)	36mm
Membrane water vapour permeability	procedure B (ASTM E96-80)	Nil

Substrate Preparation:

All concrete and masonry should be cured for a minimum of 28 days. All voids must be filled and all protrusions removed prior to application. Do not use curing aids containing oil, wax pigments or resins. Substrates should be clean and free from loose aggregate, form release agents and other contaminants. Concrete should have a smooth wood float finish. Brick or masonry substrates should be rendered to fine, smooth finish.

Priming:

All substrates must be primed with **Tremco Bitumen Primer** (based on R105/15 bitumen) at a rate of 6-8m²/L.

Application:

Torch apply one layer of **Tremproof 4000** with 75mm side laps and 100mm end laps fully heat welding to the primed substrate. Use extreme care to ensure that all laps are fully heat welded and finished with a heated spatula.

Surface Finishing & Membrane Protection:

Tremproof 4000 must be protected from degradation and traffic. Appropriate surface finishes include concrete poured in situ, pavers on pads, drainage slabs, quarry tiles, brick pavers, gravel, mastic asphalt and landscaping.

Health And Safety:

Material Safety Data Sheet (MSDS) must be read and understood before use.

Storage:

Store in a dry place always in upright position.

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.

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