

# Tremproof® 4000M

## APP modified bitumen torch applied membrane

### Key Benefits Summary:

- Highly stable at elevated temperatures (temperature resistant to 140°C)
- 15 years proven track record
- High strength, minimising risk of site damage
- UV resistant mineralised surface
- Easy to apply in tight areas such as corners and penetrations.

### Product Description:

**Tremproof 4000M** is an APP modified bituminous torch applied waterproofing membrane with mineralised surface.

### Usage/Purpose:

Waterproofing membrane for roofs and decks where membrane is exposed and may be subject to light maintenance traffic. Multi layer application with **Tremproof BS3** or **Tremproof 3000 Base Sheet**.

### Limitations:

**Tremproof 4000M** is not to be used for medium and heavy traffic areas.

### Packaging:

1m x 10m roll.

### Composition:

**Tremproof 4000M** is a heavy duty 180g/m<sup>2</sup>, high strength, non woven polyester mat impregnated and coated with a tough APP polymer modified bitumen compound and surfaced with mineral slate chips.

### Characteristics:

Carrier:	180g/m <sup>2</sup> (minimum) non woven stabilised polyester.
Total thickness:	4mm (nominal)
Roll length:	10m
Roll width:	1m
Surface:	Graded natural slate.
Base:	Torch off perforated polypropylene film.
Selva edge:	75mm

### 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

Note: Typical Properties should not be used as Specifications.

### 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. Concrete curing aids should be clear, resin based compounds that are UV degrading and do not contain oils, waxes or pigments. Substrates should be broomed clean and should be 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 a fine, smooth finish.

### Application:

All substrates must be primed with **Tremco Bitumen Primer** (based on R105/15 bitumen) at a rate of 6-8m<sup>2</sup>/litre.

**First layer:** Apply one layer of **Tremproof BS3** or **Tremproof 3000** to the primed substrate.

**Second layer:** Torch apply **Tremproof 4000M**, ensure that the membrane is fully heat welded to the layer beneath. Maintain minimum side laps of 75mm and end laps of 100mm. All side and end laps to be staggered in relation to those of the previous layer and finished with a heated spatula.

### Health And Safety:

Bituminous 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 the torching process. Material Safety Data Sheet (MSDS) must be read and understood prior to use of product.

### 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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