



Superior pre-applied waterproofing for long-term foundation protection.

TREMproof FBM Plus is a high-performance pre-applied waterproofing membrane that forms a seamless bond with poured concrete, stopping water ingress and lateral movement.

The fully bonded system blocks water, moisture, and gas while isolating the structure from surrounding ground. Dual adhesive ZipLap™ seams deliver reliable edge-to-edge performance, even in challenging site conditions.

Primer-free and self-protecting, TREMproof FBM Plus installs quickly, allows immediate reinforcement placement, and performs dependably in wet or confined construction sites.

BENEFITS:

- Seamlessly bonds to concrete, stopping water and moisture migration.
- Dual adhesive seams for strong, reliable edge-to-edge protection.
- Fast, primer-free, self-protecting installation.
- Performs reliably in wet, tight, or shifting site conditions.



WARRANTY

Tremco CPG Australia warrants TREMproof FBM Plus against materials defects for 20 years from the date of installation.

The warranty must be applied for at the completion of the job.

The workmanship is covered by a separate workmanship warranty issued by the applicator. Tremco CPG Australia will inspect the completed job if requested.

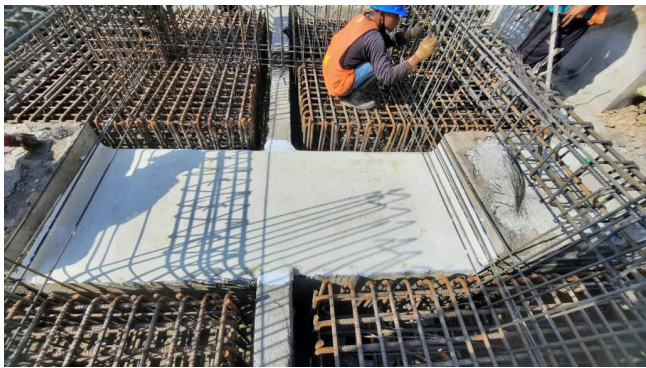
TREMPROOF FBM PLUS.



APPLICATORS

All of our authorised applicators have been trained in the correct installation of the product.

Most applicators have been working with our systems for many years. We work closely with applicators to ensure quality standards are maintained.



THINGS TO CONSIDER

APPLICATION EXPERTISE REQUIRED

- Must be applied to uniform and regular surfaces.
- While the surface does not necessarily need to be dry, be sure to eliminate any standing water.
- Curved or rounded substrates should be avoided.

SURFACE PREPARATION

ALL SURFACES

Ensure a solid, stable substrate to prevent movement during the concrete pour. Surfaces should be smooth and level, with no gaps or voids greater than 12 mm. Grout around penetrations, such as utility conduits, to maintain stability.

HORIZONTAL SURFACES

Remove loose aggregate and sharp protrusions. Avoid curved or rounded areas. When installing over earth or crushed stone, ensure the substrate is well compacted to prevent displacement during traffic or concrete pouring. Standing water should be removed, though the surface does not need to be completely dry.

VERTICAL SURFACES

Provide support using concrete, plywood, insulation, or other approved facings for sheet piling. Board systems such as timber lagging should be close-buttred and aligned within 12 mm to properly support the membrane.

NOT A STRUCTURAL REPAIR SOLUTION

This system does not address structural damage. Any underlying issues must be repaired before application.

INDICATIONS AND IMPORTANT RECOMMENDATIONS

TREMproof FBM Plus should not be applied when temperature is below -4° without consultation with the Tremco CPG representative.

Must be stored in a dry place protected from rain, sun, heat, and cold temperatures.

INITIAL COST CONSIDERATION

Contact your local Tremco CPG Representative for compatibility information and project-specific advice on tie-in and termination details.



TREMproof FBM Plus

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DESCRIPTION

TREMPROOF FBM Plus is designed as a premium quality, pre-applied protective waterproof sheet membrane. Its unique integral adhesive binds with fresh concrete to provide an exceptional bond between the concrete substrate and membrane.

SHELF LIFE

12 months when stored as recommended in original, unopened packaging.

STORAGE

TREMPROOF FBM Plus should be stored in its original packaging in a dry, sheltered area, protected from weather, direct sunlight, and extreme temperatures, and handled in a way that prevents damage or deformation prior to installation.

INSTALLATION METHOD

Refer to the appropriate method statement for the system being installed for the required application techniques, application rates, etc.

The techniques involved may require modification to adjust to the jobsite conditions.

Consult your Tremco CPG Sales Representative for site conditions requirements.

USAGE

The following is a guide to estimate material usage: This does not account for material wastage on-site or reduced coverage due to substrate porosity/aggregate profile:

COVERAGE RATE

TREMPROOF FBM Plus is 1.3 mm thick and designed to provide full coverage as a fully bonded membrane.
Typically, 1 m² of membrane covers 1 m² of substrate.

ALLOWANCE FOR OVERLAPS

Include 5–10% extra to account for overlaps at seams, detailing around corners, penetrations, and edges.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST METHOD	TYPICAL VALUE
Membrane Thickness (mm)	ASTM D3767	1.3mm nominal Note a ±10% tolerance
Low Temperature Flexibility (-29°C)	ASTM D1970	Pass
Tensile Strength, N/mm²	ASTM D412-2016	27N/mm²
Elongation at Break, %	ASTM D412-2016	500%
Resistance to Puncture, N	ASTM E154-2008	1000N
Hydrostatic Pressure Resistance	ASTM D5385-1993	70m
Lateral Water Migration Resistance	ASTM D5385-1993	70m
Water Vapour Transmission ng/(m².S.Pa)	ASTM E 96/E 96M-16	< 0.80 ng/Pas*m²
Methane Permeance, ml/day.m .atm	ASTM D 1434	41 ml/day.m .atm
Peel Strength to Concrete, N/m (On Concrete Block)	ASTM D903-1998	1700/N/m
Lap Adhesion Strength, N/m	ASTM D1876-2001	1700N/m
Change in Tensile Strength, % with effect of liquid	DIN 16726-2017	
a) 5% H²SO³ (Longitudinal direction)		-4.2%
b) Milk of lime Ca(OH)² (Longitudinal direction)		-4.1%
c) 10% NaCl (Longitudinal direction)		-3.2%
d) 5% H²SO³ (Transverse Direction)		-4.0%
e) Milk of lime Ca(OH)² (Transverse Direction)		-4.2%
f) 10% NaCl (Transverse Direction)	DIN 16726-2017	-2.9%
Change in Elongation at break, % with effect of liquid		
a) 5% H²SO³ (Longitudinal direction)		-3.0%
b) Milk of lime Ca(OH)² (Longitudinal direction)		-3.1%
c) 10% NaCl (Longitudinal direction)		-2.5%
d) 5% H2SO3 (Transverse Direction)		-2.8%
e) Milk of lime Ca(OH)² (Transverse Direction)		-2.9%
f) 10% NaCl (Transverse Direction)		-2.1%

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