

TREMproof® 60

BITUMEN MODIFIED MOISTURE CURING POLYURETHANE MEMBRANE

Key Benefits Summary

- Highly flexible - over 900% elongation.
- No seams or laps.
- Generally no priming required.
- Single layer application possible.
- Ready for immediate use (no mixing required).
- Accommodates crack movement from 0 to 1.6mm when fully cured at 1.3mm thickness.
- Withstands hydrostatic pressure of up to 4m head of water while bridging a crack of 1.5mm width.
- Over 15 years proven performance.
- Available in self-levelling (H) grade or rollable grade (R) for easy application.

STANDARDS

- ASTN C836-84
- Local authority approvals exist throughout Asia Pacific - check with your nearest TREMCO office for information.

PRODUCT INFORMATION

DESCRIPTION

TREMproof® 60 is a single component, bitumen modified, moisture curing polyurethane fluid applied waterproofing membrane.

USAGE/PURPOSE

Waterproofing of;

- Roofs
- Tunnels
- Terraces
- Balconies
- Plaza Decks
- Planter Boxes
- Retaining walls
- Internal wet areas
- Fountains and pools

LIMITATIONS

TREMproof® 60 is not recommended for;

- Applications where the applied membrane will not be covered over and where the membrane will be subjected to traffic.
- Lightweight concrete substrates without prior approval in writing from Tremco.

- Use with thin bed tile adhesives, without prior consultation with Tremco.
- Applications where the applied membrane will be subjected to UV exposure.

PACK SIZE

22.7 Litre pails ready for use.

COLOUR

Available in black only.

TECHNICAL INFORMATION

COMPOSITION

TREMproof® 60 is a bitumen modified moisture curing polyurethane.

CHARACTERISTICS

- SPECIFIC GRAVITY
Approx. 1.05
- SOLIDS
>80%

PERFORMANCE (Typical Properties)

- ULTIMATE ELONGATION ASTM D412-80
>900%
- ULTIMATE TENSILE STRENGTH ASTM D412-80
>1.6MPa (232psi)
- RECOVERY FROM 350% ELONGATION ASTM D412-80
95%
- ADHESION STRENGTH ASTM C836-81
(To primed concrete, after 7 days immersion)
2.67 kgfcm (15pli)
- WATER ABSORPTION, WEIGHT GAINED AFTER 6 MONTHS IMMERSION ASTM D471-77
2-4%
- HARDNESS ASTM D2240-80
25 Shore A
- HIGH TEMPERATURE AGEING ASTM D412-80
(14 days @ 82°C)
Elongation = 850% minimum
Hardness = Shore A 25 maximum
- SERVICE TEMPERATURE ASTM D412-80
-40°C TO +65°C (continuous ambient)

NOTE: Typical Properties should not be used as Specifications.



TREMproof® 60

USAGE GUIDELINES

SURFACE PREPARATION

- Concrete surfaces shall be cured for a minimum of 28 days.
- Surface should have light steel trowel finish followed by a fine hair broom or equivalent finish.
- Substrate should be free from dust, oil, curing agent residues and other contaminants.
- All shrinkage and non moving structural cracks under 1.5mm shall be filled with not less than 1.5mm (1500 wet microns) of TREMproof® 60R extending 75mm to both sides of the crack.
- Cracks wider than 1.5mm should be routed to 6mm width and 13mm depth. Install a closed cell polyethylene backing rod and seal with TREMproof® 60R extended to 75mm either side of the joint.
- Wherever a vertical penetration exists (eg parapet walls, columns, stacks etc.) install a 25mm fillet of TREMproof® 60R at the point where the vertical and horizontal surfaces intersect. The TREMproof® 60 membrane should then be applied over the fillet to a height of approximately 75mm to form an overflashing.
- Voids and honeycomb must be patched with a non-shrinking, quick setting grout. Allow the patched area a minimum of 7 days to cure.

PRIMING

- To reduce blisters caused by air entrapment on rough and porous concrete, use TREMproof® 60H thinned 20% with Xylol as a primer.
- PVC plumbing shall be primed with TREMCO Primer No. 6 and shall receive a preparatory coating of TREMproof® 60.
- All metal surfaces to receive TREMproof® 60 shall be primed with TREMCO Primer No. 6.
- TREMproof® 60 preparatory work shall be cleaned with Xylol. To join fresh applications of TREMproof® 60 to those that are more than 48 hours old, apply TREMCO Primer No. 17 at the interface. Recommended overlap is 150mm.

METHOD OF APPLICATION

- Install TREMproof® 60R by trowel and TREMproof® 60H by squeegee, directly to the clean substrate.
- Apply at a minimum thickness of 1.5mm (1500 wet microns). This 1.5mm is in addition to the preparatory work.
- A slip sheet of heavy duty builders plastic must be installed between the membrane and any solid topping.

HEALTH & SAFETY PRECAUTIONS

The Material Safety Data Sheet (MSDS) must be read and understood prior to use.

STORAGE

Store in original unopened packaging in dry conditions between +5°C and +25°C.

SHELF LIFE

12 months when stored as recommended in original unopened packaging.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives. 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.