

**UNITECH**Isam Kabbani Group of Companies
www.unitech-ikk.com | www.unipro-ikk.com**WATERPROOFING SOLUTIONS**

BITUMEN MODIFIED MOISTURE CURING POLYURETHANE MEMBRANES

TREMPROOF 60

DESCRIPTION

TREMProof® 60 is a single component, bitumen modified, moisture curing polyurethane fluid applied waterproofing membrane. It is used in the waterproofing of Roofs, Tunnels, Terraces, Balconies, Plaza Decks, Planter Boxes, Retaining Walls, Fountains and Pools.

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 @82oC)
 - o Elongation = 850% minimum | o Hardness = Shore A 25 maximum
- SERVICE TEMPERATURE ASTM D412-80 -40OC TO +65OC (continuous ambient)

USAGE

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 over flashing.
- 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.

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.

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