TREMPROOF® 60

FLUID-APPLIED, ELASTOMERIC COAL-TAR FREE WATERPROOFING SINGLE COMPONENT -- NO MIXING REQUIRED

PRODUCT DESCRIPTION
TREMproof 60 is a high-solids, VOC-compliant, modified polyurethane waterproofing membrane. It is a one-part moisture curing elastomer available in two viscosities (H and R) that are suitable for applications to horizontal and vertical surfaces at 60 wet mils.

BASIC USES
TREMproof 60 is suited for waterproofing in plaza decks, roof terraces, pedestrian concourses, podiums, toilets, kitchens, parking garages, planter boxes, swimming pools, backfilled walls, basement walls and split slabs, primarily on concrete and masonry.

PACKAGING
18.9 litres (5 US Gallons)

COLOUR
Black only

COVERAGE
TREMproof 60, when applied at the recommended thickness of 60 wet mils or 1.5mm will cover 0.7 m^2 per litre. Coverage will vary with surface condition.

APPLICABLE STANDARDS
Conforms to the performance requirements of ASTM C 836.

SURFACE PREPARATION
Concrete surfaces shall have a light steel-trowel followed by a fine hair-broom or equivalent finish (ICRI#3 Profile) which is dry, clean and free of dust, oil and other contaminants. Concrete decks should be water cured and in place a minimum of 28 days prior to the application of the membrane. If application prior to 28 days is desired, Tremco recommends the use of TREMproof 250 GC.

Wherever a vertical penetration exists (parapet wall, column, stack etc) a 1 inch (25 x 25 mm) cant strip shall be built of TREMproof 60, Approved Tremco Sealant or cement mortar. Integral flashing shall be installed to the height indicated on the drawings.

CRACKS – All shrinkage shall be treated with a 1.5 mm coating of TREMproof 60, 6 inch (152 mm) wide, centred over the crack. Moving structural cracks greater than 2mm shall be routed out and caulked with TREMproof 60 R or approved Tremco Sealant, striped with bond breaker and coated with 60 mils detail coat of TREMproof 60.

Note

1. All detailing must be cured a minimum of 12 hours (depends on site conditions) prior to installation of the full membrane. Detailing shall be wiped clean with xylene prior to application of the membrane.
2. TREMproof 60 can accommodate movement from 0 to 1.6 mm when fully cured at 1.3 mm (50 mils) thickness.
3. TREMproof 60 can withstand a simulated 30 metres head of water while bridging a 1.6mm crack when fully cured at 1.3mm (50 mils) thickness.

Drains: An all-level drain shall be installed wherever identified on the plans in accordance with the manufacturer's instructions. Following good drainage procedures, the structural slab should be sloped to drain a minimum of 10 mm per meter.

APPLICATION
TREMproof 60 shall be applied by trowel, roller or squeegee, directly to the surface to achieve a thickness of 1.5 mm (60 wet mils).

If a Flood test is to be run (in accordance with ASTM D 5927), membrane should cure to a firm rubber set (36 hours minimum) before flooding. Prior to placement of protection layer, flood with a minimum 25 mm of water for 24 hours. Drains shall be plugged and barriers placed to contain the water.

Where protection against damage by the Trades is necessary, install an approved protection layer or Tremdrain Series drainage mat as soon as the membrane is a firm rubber to provide protection prior to the application of insulation or wearing course. An approved protection course.

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CURE TIME
24 to 48 hours, longer times may be required at lower temperatures and/or humidity.

REPAIRS
If punctured, TREMproof 60 can be repaired with another application of the same product.

PRECAUTIONS
Use with adequate ventilation. Avoid skin and eye contact. Flush eyes with water. Contaminated clothing should be removed. Harmful if swallowed; do not induce vomiting, call a physician immediately. Keep away from heat and open flame.

TREMCO QUALITY
Tremco reserves the right to continue to improve its product technology. Information contained in the Data Sheet could be superceded by changes in performance characteristics. These changes, should they occur, will not be to the detriment of the product.

LIMITATIONS
Not for use in submerged or gas vapour conditions. Do not apply to damp or contaminated surfaces. Not to be used as an exposed or wearing surface. Not approved for direct contact with asphalt-based products.

WARRANTY
Tremco warrants its Membranes to be free of defects in materials, but makes no warranty as to appearance or colour. Since methods of application and on site conditions are beyond our control and can affect performance. Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Membranes. Tremco's sole obligation shall be, at its option, to replace, or refund the purchase of the quantity or Tremco Membranes proved to be defective and Tremco shall not be liable for any loss or damage.

PERFORMANCE CHARACTERISTICS TYPICAL VALUES

Cured Film Properties	Test Method	Horizontal/Rollable
Ultimate Elongation	ASTM D412 : 2006	> 800%
Ultimate Tensile Strength	ASTM D412 : 2006	> 3.0 N/mm^2
Recovery from 350% Elongation	ASTM D412 : 2006	95%
Tensile at 100% Elongation	ASTM D412 : 2006	3.1 N/mm^2
Adhesion in peel after water immersion (unprimed)	ASTM C836	> 3.2 KN/m
Tear Resistance	ASTM D624 : 2007	9.7 KN/m
Adhesion to Substrate	ASTM D4541 : 2009	0.5 N/mm^2
Shore ‘A’ Hardness	ASTM D2240 : 2005	40
Shore 00 Hardness	ASTM C836	> 86
Water Vapour Transmission (average)	ASTM E96/E96M : 2010	35 g/m2.day
Total Water Absorption (average)	ASTM D570 : 2005	0.98%
Water Tightness	BS EN 1928 : 2000	No dampness at underside of substrate
Extensibility After Heat Aging (maximum crack bridging : 6.4mm)	ASTM C836	Passed
Low Temperature Elongation at -29^{0}C	ASTM D412-80	> 450%
Service Temperature (continuous ambient)	ASTM D412-80	- 40^{0}C to + 66^{0}C