

TREMproof® 250GC

Single Component, Rapid Curing, Fluid Applied Elastomeric Waterproofing Membrane for "Green" Concrete

Product Description

TREMproof 250GC is an aliphatic, rapid curing, high solids, VOC compliant, modified polyurethane waterproofing membrane that can be applied to Green or Damp Concrete. TREMproof 250GC is a one-part moisture curing elastomer available in three viscosities (SL, R and T). Both the SL (Self-Leveling) and R (Rollable) viscosities are suitable for horizontal applications. The R (Rollable) grade is suitable for vertical and cant bead applications. The T (Trowelable) grade is suitable for cants and around penetrations.

Basic Uses

TREMproof 250GC is a fluid-applied, elastomeric waterproofing membrane that can be applied to "Green" Concrete. TREMproof 250GC is commonly used between slab on plaza decks, parking decks, roof terraces, podiums, and reflecting pools. TREMproof 250GC is also used for waterproofing foundation walls, landscaped areas, planter boxes, tunnels, etc. The TREMproof 250GC is an effective membrane for use on concrete, wood, metal and masonry surfaces.

Packaging

5 Gallon (19 L) Pails and 55 Gallon (208 L) Drums.

Color

Black

Applicable Standards

Conforms to the performance requirements of ASTM C836.

Installation

Surface to be waterproofed must be clean and dry. Concrete slabs should have a light steel trowel followed by a fine hair broom or equivalent finish and should be water cured. Consult Architect or Engineer for minimum cure time on concrete before water cure can be stopped and foot traffic is permitted. Allow a minimum of 24 hours for concrete surface to dry after stopping water cure on decks or removing forms on walls. If release agents are present, they must be removed before the application of TREMproof 250GC. Following good drainage practice, the structural slab should be sloped to drain a minimum of 1/8" (3.2mm) per running foot (30.5cm). All shrinkage cracks shall be treated with a 60 mil (1.5mm) coating of TREMproof 250GC, six inches (15.3cm) wide centered over the crack. Moving structural cracks greater than 1/16" (1.6mm) can be routed out and caulked with TREMproof 250GC-T, stripped with bond breaker tape and coated with a 60 mil (1.5mm) detail coat of Membrane, or treated with Tremco DualFlex embedded in membrane, centered over the crack. Consult your local Tremco District Manager or technical service representative for further information.

TYPICAL PHYSICAL PROPERTIES

ASTM C836	Requirements	TREMproof 250GC
Material	Shall cure and maintain seal against water	Exceeds
Stability (80°F/26.7°C)	Shelf Life 6 months	Exceeds
Weight loss	20% Maximum Loss 80% Solids Minimum	8-10% Loss 90-92% Solids
Low Temperature	Ten cycles -15°F/-26°C	Exceeds
Flexibility and Crack Bridging	(0" - 1/8", 1/8" - 0 = 1 cycle/ 3.2mm, 3.2mm - 0 = 1 cycle) No Loss of Adhesion	Exceeds
Adhesion-in Peel after Water Immersion (Unprimed)	1 lbf/in. (4.4N)	26 lbf/in (26.6-40.0N)
Extensibility After Heat Aging	Membrane must bridge 1/4" (6.4mm) crack	Exceeds

At all horizontal-vertical junctures and all projections, a one inch (2.54cm) cant of TREMproof 250GC-T shall be installed. Integral flashing shall be installed to the height indicated on the drawings. At expansion joints and other areas of potential high movement, Tremco DualFlex embedded into the membrane may be required. Consult your local Tremco Representative or Distributor for specific design details.

All detailing must be cured a minimum of 12 hours prior to the application of the membrane. Detailing should be wiped clean with Xylol or Toluol prior to the application of the membrane.

TREMproof 250GC shall be spray, roller, squeegee or trowel applied at the rate of four gallons per 100 square feet (1.63 liter per square meter) to provide a thickness of 60 mils (1.5mm).

A Flood Test should be run; the membrane should be cured to a firm rubber set (36 hour minimum) before flooding. Flood with a minimum of one inch (2.54cm) of water for 24 hours.

Allow TREMproof 250GC to completely cure before a protection course of Tremco Protection Mat and/or an approved TREMDrain drainage mat can be applied.

Availability

Separate instructions for Tremco's high build cold fluid applied membrane are available on www.tremcosealants.com. Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

Limitations

- Do not apply to contaminated surfaces.
- Not to be used as an exposed or wearing surface
- Use with adequate ventilation.
- Concrete forms must be removed for a minimum of 24 hours before TREMproof 250GC can be applied.

Warranty

Tremco warrants its Membranes to be free of defects in materials, but makes no warranty as to appearance or color. 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 of Tremco Membrane proved to be defective and Tremco shall not be liable for any loss or damage.

