

PRODUCT DESCRIPTION

TREMproof® 250GC is a rapid-curing, high-solids, VOC compliant modified polyurethane waterproofing membrane that can be applied to damp and green concrete.

TREMproof® 250GC is a one-part moisture-curing elastomer available in three viscosities: Self-Leveling (SL), Roller (R) and Trowel (trowel intended for detailing work only). Tremco Anti-Root Additive is available for use with TREMproof® 250GC as an optional feature to prohibit growing roots from affecting the overall performance of the waterproofing membrane.

BASIC USES

TREMproof® 250GC is designed for use on backfilled walls, split slab applications, planters and submerged conditions. TREMproof® 250GC is a complementary waterproofing membrane that can be used with Tremco's Vegetated Roofing systems. Concrete masonry units and plywood are both acceptable substrates. Basic uses include:

- Foundation walls
- Planter boxes, vegetated roofs
- Podium decks / Terraces (sandwich system)
- Parking decks (sandwich system)
- Roof terraces – Ballasted
- Wet Areas
- Tunnels
- Substrates such as Concrete, Wood, Metal and other masonry surfaces
- Detailing cracks, joints, transitions and terminations including use when Paraseal® systems are used

FEATURES AND BENEFITS

- TREMproof® 250GC can be applied in as little as 24 hours following the removal of concrete forms. It can also be applied to damp concrete, reducing the delays associated with rain or other sources of moisture.
- The unique ability to catalyze TREMproof® 250GC-SL with water when desired will speed cure times, especially in cold temperatures and low relative humidity, to further condense the construction schedule.
- TREMproof 250GC® can be applied at a rate of up to 3 mm in a single lift to speed application without sacrificing performance.
- It can also be applied in multiple lifts to achieve 5.5 mm high-build system when maximum protection is required.

AVAILABILITY

Please contact Tremco India Pvt. Ltd. for your project requirements.

PACKAGING

18.9-L pails, 36 pails/pallet
208-L drums, 4 drums/pallet
Colour: Black

SHELF LIFE & STORAGE

Protect from moisture. Store on a skid or pallet and cover with polyethylene or tarp. Do not double stack pallets. Shelf life is 12 months when stored properly in unopened packaging.

COVERAGE RATES

Approximately 0.92 m²/L at 1.0 mm WFT (1.08 L/m²)
Approximately 0.61 m²/L at 1.5 mm WFT (1.64 L/m²)
Approximately 0.44 m²/L at 2.2 mm WFT (2.27 L/m²)
Approximately 0.32 m²/L at 3.0 mm WFT (3.12 L/m²)
Approximately 0.19 m²/L at 5.5 mm WFT (5.26 L/m²)

APPLICABLE STANDARDS

TREMproof® 250GC meets or exceeds the following specifications:

- ASTM C836 Standard Specifications for High Solids Content, Cold Liquid Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- City of Los Angeles (COLA) approval standards
- Miami-Dade County Acceptance

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 a minimum of 24 hours before TREMproof® 250GC can be applied.
- Not approved for direct contact with asphalt-based products.
- Not for use with potable water.
- Contact us for compatibility information and job-specific recommendations on tie-in and termination details.
- Do not apply over a curing or forming oil compound.
- Do not apply over a non-vented metal pan decking substrate without contacting us
- Backfilled applications require the use of a compatible Tremco protection course.

WARRANTY

Tremco warrants its Products 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

WARRANTY

FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Product proven to be defective, and Tremco shall not be liable for any loss or damage.

BASIC APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION & EDGE DETAILING

- Concrete shall attain a 20 MPa minimum compressive strength prior to application.
- All surfaces must be structurally sound, free of dirt, grease, oil, release agents and or other contaminants.
- All surface imperfections, non - structural cracks etc. should be repaired with an appropriate repair mortar in order to provide a relatively uniform surface.
- Active water ingresses / leaks, through cracks and voids need to be plugged using our TREMproof® Inject Range of Polyurethane Injection Resins, prior to application of TREMproof® 250GC.
- TREMproof® 250GC can be applied on damp concrete / freshly deshuttered (green concrete) surfaces.
- Install Polymer Modified Mortar or Dymonic® 100 coving at all horizontal, vertical interfaces to ensure smooth transition of the membrane
- Detail all coverings, edges and penetrations using TREMproof® 250GC and Dymonic® 100. All shrinkage cracks shall be treated with a 0.75 mm coating of TREMproof® 250GC, 15 cm wide, centered over the crack.
- Moving structural cracks greater than 1.6 mm shall be routed and caulked with Dymonic® 100, followed by a 1.5 mm detail coat of TREMproof® 250GC extending a minimum of 7.5 cm on either side of the crack.

APPLICATION OF TREMPROOF® 250GC

Standard Application - Vertical or Horizontal

TREMproof® 250GC shall be roller, squeegee or trowel applied at the rate 0.66 m²/L to provide a thickness of 1.5 mm. Mix material in the bucket prior to use.

High Build Application - Horizontal

SINGLE LIFT SYSTEM TREMproof® 250GC may be applied in a single pass up to 3 mm for horizontal applications. Apply at a rate of 0.32 m²/L.

Multi-lift 5.5 mm system

Apply the first coat of TREMproof® 250GC at a rate of 0.44 m²/L, to yield 2.3 mm. Allow the TREMproof® 250GC to cure to a firm rubber, [16 to 24 hours at 23 °C, 50% RH], then apply Vulkem® 191 QD primer. Let the primer dry to a tack. Apply the second coat of TREMproof® 250GC at a rate of 0.31 m²/L yielding 3.2 mm.

The cure rate of TREMproof® 250GC may be accelerated by adding water. Water may be added to TREMproof® 250GCSL only. Water shall be bottled or tap. Add 118 ml water for every 18.9 L of TREMproof® 250GC-SL. Mix the material by producing a vortex close to the surface of the pail and add the water. Following the addition of water, continue mixing the membrane to evenly disperse the added water for up to 1 minute. Exceeding the recommended 1 minute of mixing may result in introducing an excessive amount of air in the membrane. Exceeding the recommended water per pail of membrane may result in a reduction of working time.

TREMproof® 250GC may be used in vegetated roofs with the addition of Tremco Anti-Root Additive. Add 100 ml per 18.9 L pail and mix thoroughly prior to application.

For Detailed Application Instructions and detailing advice for various applications, please refer to **TREMproof® 250GC: Application Instructions**.

TYPICAL TECHNICAL PROPERTIES

Property	Test Method	Values
Composition		Modified Polyurethane Waterproofing
Solids		No less than 84%*
Grade(s)		Trowel, Roller and Self-Leveling
Cure Time		6 to 12 hrs at 24°C, 50% RH
Recommended Thickness		1.5 mm
Film Thickness	ASTM C836	1.5 mm WFT
Tensile Strength	ASTM D412	1.3 MPa
Elongation	ASTM D412	600%
Adhesion - in - Peel after Water Immersion (Unprimed)	ASTM C836; ASTM C 794	29.77 N/cm
Low -Temp Flexibility	ASTM C836; ASTM C836	Pass
Weight Loss 20% maximum Loss 80% Solids minimum	ASTM C836; ASTM C1250	15% Loss maximum 85% Solids minimum
Low Temperature Crack Bridging	ASTM C836; ASTM C1305	Pass
Extension after heat aging No observable cracking	ASTM C836; ASTM C1522	Pass
Hardness, Type 00 50 Min.	ASTM C836; ASTM D2240	87
Water Vapor Permeance	ASTM C836; ASTM E96 Wet Cup	1.15 US Perms
Maximum V.O.C.	Method 310	No more than 177 g/L* (LV formulation does not exceed 100 g/L)
Shelf Life Stability 6 Months Minimum	6 Months	12 months
Application Temperature		5°C and above. Please Contact us for Detailed Application Criteria
Storage Temperature		5°C to 40°C
*Varies Depending on grade of material used.		
**Modified ASTM C1305		

• Please contact us at india@tremcocpg.com to confirm the most up-to-date Product Data Sheets.
NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification & Labelling of Chemicals (GHS) requirements.

