



BC BUILDING PRODUCTS
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TECHNICAL DATA SHEET

Tremco 250GC

Manufacturer: Tremco CPG Inc.

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TECHNICAL DATA SHEET

TREMproof® 250GC

Single-Component, Rapid Curing,
Fluid-Applied Elastomeric
Waterproofing Membrane

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).

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.

FEATURES & 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 120 mils in a single lift to speed application without sacrificing performance.
- It can also be applied in multiple lifts to achieve a 215-mil high-build system when maximum protection is required.
- Compatible with Tremco sealants, coatings and expansion joints, which is essential for tie-ins, detailing and penetrations.

AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco distributor, or Tremco warehouse.

COVERAGE RATES

Approximately 25 ft²/gal (0.61 M²/L) at 60 wet mils

Approximately 18 ft²/gal (0.44 M²/L) at 90 wet mils

Approximately 13 ft²/gal (0.32 M²/L) at 120 wet mils

Approximately 7.5 ft²/gal (0.19 M²/L) at 215 wet mils

PACKAGING

5-gal (19-L) pails, 36 pails/pallet

55-gal (208-L) drums, 4 drums/pallet

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 your local Tremco Sales Representative or Tremco Technical Service 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 your local Tremco Sales Representative.
- Backfilled applications require the use of a compatible Tremco protection course.
- Applied product should not be left uncovered to UV exposure longer than 120 days or covered with a protection course longer than 120 days.
- Where asphaltic membranes, self-adhering flashing or self-adhering sheet membranes, come in contact with TREMproof 250GC, Tremco Epoxy Primer is to be used at the overlap condition.

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

TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION	TEST METHOD	TYPICAL VALUES
Composition	Modified Polyurethane Waterproofing		
Color	Black		
Solids	No less than 84%*		
Grade(s)	Trowel, Roller and Self-Leveling		
Cure Time	6 to 12 hr at 75 °F (24 °C), 50% RH		
Thickness	60 mils		
Film Thickness		ASTM C836	60 wet mils
Tensile Strength		ASTM D412	200 psi
Elongation		ASTM D412	600%
Adhesion-in-Peel after Water Immersion (Unprimed)		ASTM C836; ASTM C 794	17 lbf/in (29.77 N/cm)
Low-Temp Flexibility		ASTM C836; ASTM C 836	Pass
Weight Loss 20% maximum Loss 80% Solids minimum		ASTM C836; ASTM C 1250	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 D 2240	87
Water Vapor Permeability		ASTM C836; ASTM E96 Dry Cup ASTM C836; ASTM E96 Wet Cup ASTM C836; ASTM E96 Inverted Wet Cup	0.02 US Perm-Inch 0.03 US Perm-Inch 0.03 US Perm-Inch

TYPICAL PHYSICAL PROPERTIES

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		Above 40 °F (5 °C) and rising. If installing below 40 °F (5 °C), please contact Tremco Technical Services at 866-209-2404.
Storage Temperature		40 to 100 °F (5 to 37 °C)
Hydrostatic Head Resistance	D 5385	100 psi, 231 ft. head pass
*Varies Depending on grade of material used.		
**Modified ASTM C1305		

Please refer to our website at www.tremcosealants.com for 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 and Labelling of Chemicals (GHS) requirements.

TP250GC-DS/1225

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