



TECHNICAL DATA SHEET

TREMproof® DUAL WATERPROOFING SYSTEM

TREMproof TRA Sheeting
Embedded in TREMproof 250GC

PRODUCT DESCRIPTION

TREMproof® Dual Waterproofing System (DWS) is a dual membrane waterproofing system comprised of TREMproof TRA sheeting embedded into TREMproof 250GC. This unique waterproofing system is designed to have tenacious adhesion, long term durability, and remarkable chemical stability. The elastomeric properties of the system's components enable the complete assembly to withstand the most demanding waterproofing needs.

TRA Sheeting is a protective waterproofing course that is compounded from a blend of EPDM and SBR thermoset elastomers. This sheet is reinforced with a high-strength, polyester-woven scrim.

TREMproof 250GC is a rapid-curing, high-solids, VOC compliant modified polyurethane waterproofing membrane. It can be applied to damp and green concrete. TREMproof 250GC is a one-part, moisture-curing elastomer available in 3 viscosities: Self-Leveling (SL), Roller (R), and Trowel (T) (trowel intended for detailing work only).

BASIC USES

The TREMproof Dual Waterproofing System (DWS) is designed to withstand the most rigorous waterproofing conditions. This system can be used to waterproof plaza decks, terraces, backfilled walls, planters, split slabs, and anywhere else where the ultimate in waterproofing protection is required. TREMproof Dual Waterproofing System (DWS) is a complimentary waterproofing membrane that can be used with Tremco's Vegetated Roofing Systems.

FEATURES & BENEFITS

- Dual waterproofing systems provide the ultimate choice in waterproofing protection for long term durability and water-tightness.
- Can be applied to damp or green concrete in as little as 24 hr following form removal (when using TREMproof 250GC).
- Can help fast track construction schedules, saving time and money.
- Cold-applied membrane minimizes the use of specialized application equipment.
- Low Volatile Organic Compounds (VOC's).
- Proven performance based on long standing history of past projects.

AVAILABILITY

TREMproof Dual Waterproofing System (DWS) is immediately available from your local Tremco Sales Representative, Tremco Distributor or Tremco Warehouse.

PACKAGING

TREMproof 250GC: 5-gal (19-L) pails; 36 pails per pallet / 55-gal (208-L) drums
TREMproof TRA Sheet: 20" (508 mm), 30"(762 mm) x 50' (15.24 M) rolls

STORAGE

Store TREMproof Dual Waterproofing System (DWS) at room temperature.

LIMITATIONS

- Not for use directly under asphalt paving.
- Protect system from heavy construction traffic.
- For installations below freezing, contact your local Tremco Representative.
- Not for use with potable water.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

TREMproof® Sheeting TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Color		Black
Thickness	ASTM D751-89	0.045" (1.1 mm)
Weight	ASTM D751-89	41.6 oz/yd ² (1422 g/M ²)
Breaking Strength	ASTM D751-89	261 lbf (1446 N) MD 150 lbf (1288 N) XMD
Tear Strength	ASTM D751-89	94 lbf (313 N) MD 59 lbf (348 N) XMD
Low Temperature Flexibility (-40 °F)	ASTM D2136-84	Pass
Puncture Resistance	ASTM D154	>500 lbs
Water Vapor Permeability	ASTM C836, ASTM E96/Wet Cup	0.0019 Perm-inch

TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION	
Type	Modified Polyurethane Waterproofing	
Color	Black	
Solids	No less than 84%	
Application	Roller/Trowel/Squeegee	
Cure Time	6 to 12 hr at 75 °F (24 °C), 50% RH	
Thickness	Minimum 70-mils (wet), 60-mils (dry)	
PROPERTY	TEST METHOD	TYPICAL VALUES
Film Thickness	ASTM C836	60-mils (wet)
Adhesion-in-Peel after Water Immersion (Unprimed)	ASTM C836; ASTM C794	17 lbf/in (29.77 N/cm)
Low-Temp Flexibility	ASTM C836	Pass
Weight Loss 20% max Loss 80% Solids min	ASTM C836; ASTM C1250	16% Loss Maximum, 84% Solids Minimum
Low Temperature Crack Bridging	ASTM C836; ASTM C1305	Pass
Extension after heat aging No observable cracking	ASTM C836; ASTM C522	Pass
Hardness, Type 00 50 Min.	ASTM C836; ASTM D2240	87
Water Vapor Permeability	ASTM C836; ASTM E96 Dry Cup	0.02 US Perm-Inch
	ASTM C836; ASTM E96 Wet Cup	0.03 US Perm-Inch
	ASTM C836; ASTM E96 Inverted Wet Cup	0.03 US Perm-Inch
Maximum VOC	Method 310	No more than 177 g/L*
Shelf Life Stability 6 Months Minimum		Pass
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)

*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.

250TRADS/1023

Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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