



TECHNICAL DATA SHEET

TREMdri™ 540

Self-adhesive waterproofing membrane.

PRODUCT DESCRIPTION

TREMdri 540 Waterproofing Membrane is a 40 mil, self-adhesive waterproofing membrane specifically designed for below grade dampproofing or waterproofing. The membrane is composed of SBS modified bitumen with a laminated polypropylene facer. A split release liner protects the adhesive side of the membrane.

BASIC USES

Designed for belowgrade dampproofing and waterproofing, TREMdri 540 is ideal for:

- Use over ICF structures
- Poured concrete and CMU backfilled walls.

FEATURES AND BENEFITS

- Specifically designed for belowgrade dampproofing and waterproofing,
- Primerless dampproofing application over ICF
- Manufactured to a preset, uniform thickness that provides consistent and uniform coverage
- When used in a waterproofing application, the full surface is required to be primed prior to application.

AVAILABILITY

Available immediately from your local Tremco and Nudura Sales Representative or Distributor. For Distributor locations, visit www.tremcosealants.com.

PACKAGING

Roll Dimensions: 75 ft x 3 ft (22.9m x 0.91m)

225 ft² per roll

Roll Weight: 51lb (23.2kg)

Rolls Per Pallet: 25

LIMITATIONS

- Membrane must be stored upright (standing vertically) in a cool, dry location (not in direct contact with the ground).
- Ensure the membrane is free of wrinkles and folds prior to the application of the material.
- Protect with a tarp to prevent exposure to direct sunlight until the membrane is ready to be used.
- When used in a waterproofing application over ICF, the full surface is required to be primed prior to application.
- Primer is required for application to poured concrete and CMU walls.
- Ensure the surface is smooth, clean, dry, free from dirt and any other impurities.
- Do not apply to wet or damp surfaces
- When applying over ICF: If the EPS foam surface has been exposed to sunlight for extended periods of time, the resulting yellow dust coating must be fully removed.
- Must be installed vertically onto the wall surface.

- For best results, apply membrane in temperatures 40°F and rising but below 110°F. Adhesive strength will reduce at lower temperatures. When applied above 110°F, it may become challenging to remove the release film.

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 FOR A PARTICULAR PURPOSE with respect to Tremco Products.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Results
Thickness		40 mil (1.0mm)
Dimensions		75 ft x 3 ft (22.9 m x 0.91 m)
Gross/ Net Coverage per Roll		225 ft ² / 206 ft ² (20.8 m ² / 19.1 m ²)
Roll Weight		51 lb (23.2 kg)
Top Face		Polypropylene Complex
Under Face		Silicone Release Liner
Rolls per Skid		25 Rolls
Application Temperature		40°F to 110°F (4°C to 49°C)
Tensile Strength, MD/CD	ASTM D1970	62/78 lbf/in
Elongation at Break (MD/CD)	ASTM D1970	55/28%
Static Puncture	ASTM D5602	92 lb (410 N)
Peel Strength	ASTM D1970	>10 lb/in
Tear Resistance (MD/CD)	ASTM D5601	>49/42 lbf
Water Absorption	ASTM D5147	<0.1%
Water Vapor Permeance	ASTM E96 (Procedure B)	<0.05 perm (<0.90 ng/Pa.s.m ²)
Cold Temperature Flex -20°C	AC 48	Pass

*All Values are Nominal

ESTIMATING

To estimate the number of rolls of TREMdri 540 required for a specific project begin by determining the linear footage (linear meters) of the perimeter of the structure. Multiply the perimeter length by the height of membrane required on the wall. The finished height of the membrane is recommended to stop 4" (102 mm) to 6" (152 mm) below finished grade level. The height should also include the footing/slab projecting distance, as well as 2" (51mm) down the face of the footing/slab. Divide the calculated wall area by 206 ft² (19.14 m²).

Additional membrane should be included for inside and outside corners, sealing around penetrations, and any other area below grade requiring additional membrane.

Imperial Calculation

$$\text{TREMdri 540} = (\text{LPPER} \times (\text{height of membrane} + \text{footing/slab projection} + 2'')) \div 206 \text{ ft}^2$$

Metric calculation

$$\text{TREMdri 540} = (\text{LMPEM} \times (\text{height of membrane} + \text{footing/slab projection} + 51 \text{ mm})) \div 19.14 \text{ m}^2$$

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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