

Product Description

TREMDrain® QSP (Quick Set Panel) is a three-part prefabricated drainage panel and protection board consisting of a formed perforated polystyrene core covered on dimple side with a nonwoven, needle-punched polypropylene filter fabric along with a breathable crosshatched fabric on the backside. The nonwoven fabric allows water to pass into the drainage core while restricting the movement of soil particles. The plastic core provides a compressive strength and allows the flow of water to the TREMDrain Total Drain System. The crosshatched fabric allows the panel to adhere to the wet tacky membrane and still allows the membrane to cure from the flow of air through the perforated drainage core.

Basic Uses

TREMDrain QSP is used in conjunction primarily with TREMproof® 250 GC, TREMproof 260, TREMproof 201/60 and Paraseal® Membranes. TREMDrain QSP is designed only for vertical application where a fast-tracked application with liquid applied membranes is desired.

Note: TREMDrain drainage and protection materials are not for use beneath sand-set, vehicular paver applications.

Features and Benefits

- Size of panels allows for quick installation over the cold fluid-applied membranes.
- Perforated drainage core allows membrane to cure even after installation.

Availability

Immediately available from your local Tremco Sales Representative, Tremco Distributor or Tremco Warehouse.

Packaging

4' x 4' (1.22 M x 1.22 M) panels; 145 panels, 2320 ft² (216 M²) per pallet

Installation

Attach TREMDrain QSP to TREMproof 250 GC or TREMproof 260 by pressing the breathable fabric side of the panel lightly into the uncured membrane. The filter fabric on the dimple side faces the soil. There are flanges on two sides of the TREMDrain QSP. When installing the panel, the flanges should be rotated from top to side every other panel to ensure soil does not enter the core during backfill. Using membrane material to glue the flaps may assist in accomplishing this. Panels that are not connecting to another panel must be secured. These edge panels must be terminated with tape or fabric.

Corners: Cut the drain core and provide 3" of fabric to wrap in the corner to make inside corners. For outside corners, cut the drain core to reach corner and provide 3" (7.5 cm) of extra fabric to wrap around the corner. Attach TREMDrain QSP to the wall and overlap fabric.

Backfilling: Soil should be placed and compacted directly against the drain after membrane is completely cured. Direct compactor exhaust away from the drain to prevent damage.

Backfill to a minimum of 6" (15 cm) above drainage to allow for coverage after settlement. Allow the membrane to fully cure per the manufacturer's recommendation before backfilling.

At the grade line, using a utility knife, cut back 4" of the core, taking care not to cut the fabric. Fold the fabric back behind the core so that the top of the drainage is completely covered to prevent any backfill material from entering the core. NOTE: Do not mechanically fasten through the cold fluid-applied waterproofing membrane.

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. 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.

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.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	US VALUES	SI VALUES
Flow Capacity per unit width	ASTM D4716	9 gpm/ft	112 Lpm/M
Roll Length		4'	1.22 M
Roll Width		4'	1.22 M
Roll Weight		410 lb 145 Panels per pallet	185.97 kg 145 Panels per pallet

Filter Fabric Properties

Material		Polypropylene	
Weight	ASTM D3776	4 oz/yd ²	135.62 g/M ²
Grab Tensile Strength	ASTM D4632	110 lbf	489 N
Puncture Strength	ASTM D4833	65 lbf	289 N
Trapezoidal Tear	ASTM D4533	50 lb	222 N
Mullen Burst Strength	ASTM D3786	215 psi	1,482 kPa
Grab Elongation	ASTM D4632	60%	
AOS	ASTM D4751	100 sieve	150 micron
Permittivity	ASTM D4491	1.6 sec ⁻¹	
Permeability	ASTM D4491	0.39 cm/sec	
Flow Rate	ASTM D4491	150 gpm/ft ²	6,110 Lpm/M ²
Root Barrier Fabric		None	

Breathable Fabric Properties

Material		Polypropylene	
Weight	ASTM D3776-79	2.50 oz/yd ²	85 g/M ²
Grab Tensile Strength			
Machine Direction	ASTM D1682	95 lb	423 N
Cross Machine Direction		82 lb	365 N
Grab Elongation			
Machine Direction	ASTM D4632	50%	
Cross Machine Direction		50%	

Core Properties

Material		Polystyrene	
Thickness	ASTM D1777	0.25"	6.35 mm
Compressive Strength		10,800 lb/ft ²	527 kN/M ²

0316/TDQSPDS-BG

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