

ParaGREEN™

Entangled Drain Mat

Commercial Product Data Sheet

Description:

ParaGREEN™ Entangled Drain Mat is a 0.5 in. thick drainage core with an extruded polymer matrix of tangled monofilaments, thermally bonded to a non-woven geotextile and molded into waffle patterns for compressive strength. The ParaGREEN™ Entangled Drain Mat can be used in conjunction with Siplast's Mineral Wool Retention Mat to provide an air layer and drainage path beneath the retention mat.

Contact Siplast for additional information on approved product uses.

Uses:

Vegetated Assemblies

Typical Properties	Values/Unit	Test Method
Drain Mat Properties		
Material	Extruded Polymer Fleece: Non-Woven Geotextile	
Roll Dimension	4 ft. x 100 ft. x 0.45 in. (1.22 m x 30.48 m x 11.43 mm)	
Coverage	400 sq. ft.	
Compressive Strength	>30,000 psf*	ASTM D1621 Modified
		ASTM D4716
Non-Woven Geotextile Properties		
Weight	0.5 oz./sq. ft.	ASTM D5261
Puncture Strength	250 lb.	ASTM D6241
AOS (Max. Average)	70 US Sieve	ASTM D4751
Flow Rate	120 gal./min./sq. ft.	ASTM D4491

Flow Rates: ASTM D4716			
Compression Applied	1.0 Gradient	0.04 Gradient	0.02 Gradient
50	—	—	2.12 gpm/ft.
100	—	2.05 gpm/ft.	—
250	—	—	1.95 gpm/ft.
500	16.30 gpm/ft.	2.20 gpm/ft.	1.17 gpm/ft.
1,000	13.72 gpm/ft.	1.89 gpm/ft.	0.97 gpm/ft.
2,000	6.81 gpm/ft.	0.67 gpm/ft.	0.35 gpm/ft.
3,000	—	—	0.10 gpm/ft.*

*30,000 psi was applied for 1 hour then able to relax for 24 hours before 1,000 psf was applied to sample and ASTM D4716 was run. Passed.



Application:

ParaGREEN™ Entangled Drain Mat should be kept dry before installation. Consult the installation manual for detailed application instructions.

Storage and Handling:

All Siplast ParaGREEN™ products should be stored on a clean, flat surface. All roofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled in a manner to ensure that it remains dry prior to and during installation. See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging:

- Weight Per Roll: 56 lb. (25 kg) (approx.)