ParaGREEN™ Drainage and Water Retention Mat

Commercial Product Data Sheet

Description:

ParaGREEN™ Drainage and Water Retention Mat is a dual-component, prefabricated sheet drain and water retention mat. It consists of a formed polypropylene core covered on the top side with a white spunbond polyester fabric and on the bottom, a black non-woven needle-punched filter spunbond fabric to help maintain integrity. The fabric allows water to pass into the drain core while restricting the movement of backfill materials or debris particles that could potentially block the core. The core allows water flow to designed outlets.

Contact Siplast for information on approved product uses.

Uses:

Drainage Mat

Typical Properties	Values/Unit	Test Method
Topside Fabric Properties		
Material	Polypropylene	
Grab Tensile Strength	150 lb./667 N	ASTM D4632
CBR Puncture	295 lb./1,312 N	ASTM D6241
Water Flow Rate	70 gpm/ft	ASTM D4491
Apparent Opening Size	80 sieve	ASTM D4751
Core Properties		
Material	High-Impact Polystyrene	
Thickness	1 in. (25.4 mm)	ASTM D5199
Compressive Strength	9,500 psf	ASTM D6364
Water Retention	0.08 gal/ft²	ASTM E2398
In-Plane Flow Rate*	80 gpm/ft.	ASTM D4716
Product Properties		
Roll Size	3 ft. x 50 ft. (0.92 m x 15.24 m)	
Coverage	150 ft² (14 m²)	
Bottom Side Fabric Properties		
Grab Tensile Strength	100 lb./445 N	ASTM D4632

*In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

LEED Information		
Recycled Content (% by weight)		**Manufacture Location**
Core	77%	Monroe, NC
Filter Fabric	10%	Monroe, NC

Application:

ParaGREEN™ Drainage and Water Retention Mat should be installed with the white filter fabric side up. ParaGREEN™ Filter Fabric may also be required at horizontal to vertical transitions to contain growing media.

Consult the installation manual for detailed application instructions.

Storage and Handling:

All Siplast ParaGREEN™ products should be stored on a clean, flat surface. All ParaGREEN™ 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 for specific information on the safe handling of this product.

Packaging:

- Pallet: 68 in. x 68 in. (172.72 cm x 172.72 cm)
- Weight per Roll: 40 lb. (18 kg)
- Rolls per Pallet: 18

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