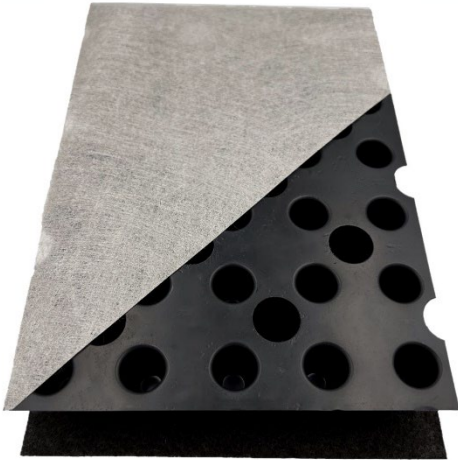


# PARAGREEN™ DRAINAGE AND WATER RETENTION MAT

## Commercial Product Data Sheet



ParaGREEN™ Drainage & Water Retention Mat is a dual-component, prefabricated sheet drain and water retention mat. It consists of a formed polypropylene core covered on one side with a woven polypropylene filter fabric. 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 |
|---------------------------|---|-------------|
| <b>Fabric Properties</b>  |   |             |
| Material                  | Polypropylene                               |             |
| Grab Tensile Strength     | 150 lb                                      | ASTM D4632  |
| CBR Puncture              | 295 lb                                      | ASTM D6241  |
| Water Flow Rate           | 70 gpm/ft <sup>2</sup>                      | ASTM D4491  |
| Apparent Opening Size     | 80 sieve                                    | ASTM D4751  |
| <b>Core Properties</b>    |   |             |
| Material                  | High Impact Polystyrene                     |             |
| Thickness                 | 1 in  | ASTM D5199  |
| Compressive Strength      | 9,500 psf                                   | ASTM D6364  |
| Water Retention           | 0.08 gal/ft <sup>2</sup>                    | ASTM E2398  |
| In-Plane Flow Rate*       | 18 gpm/ft                                   | ASTM D4716  |
| <b>Product Properties</b> |   |             |
| Roll Size                 | 3 ft x 50 ft<br>(0.92 m x 15.24 m)          |             |
| Coverage                  | 150 ft <sup>2</sup><br>(14 m <sup>2</sup> ) |             |

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

| <b>LEED Information</b> |                                   |                         |
|-------------------------|-----------------------------------|-------------------------|
|                         | Recycled Content<br>(% by weight) | Manufacture<br>Location |
| Core                    | 77%                               | Monroe, NC              |
| Filter Fabric           | 10%                               | Monroe, NC              |

## PRODUCT INFORMATION

### 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.

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 such a manner as to ensure that it remain 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

Pallet: 68 in x 68 in (2073 cm x 2073 cm)  
Weight Per Roll: 40 lb (18 kg)  
Rolls Per Pallet: 18

Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at [www.siplast.com](http://www.siplast.com)  
Rev Date 8/2023