

# TERANAP DRAINAGE MAT - GREEN ROOF EXTENSIVE & INTENSIVE CONSTRUCTIONS



## Commercial Product Data Sheet

### Product Description

Teranap Drainage Mat - Green Roof is designed for horizontal applications requiring high compressive strength, high flow capacity, and the strength and filtration properties of a geotextile fabric.

### Product Uses

Teranap Drainage Mat - Green Roof is a prefabricated soil sheet drain and protection board consisting of a formed polystyrene core covered on both sides with a needle-punched, non-woven fabric. The fabric on the top side allows water to pass into the drain core while restricting the movement of soil particles that could potentially block the core. The core allows water flow to drain to designed outlets. Full coverage protection is provided to waterproofing materials.

Teranap Drainage Mat for green roof constructions is available in two product types: Extensive and Intensive. Contact Siplast for specific information as required.

*Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at [www.Siplast.com](http://www.Siplast.com).*

### Physical Properties

DRAIN TYPE	TERANAP DRAINAGE MAT EXTENSIVE		TERANAP DRAINAGE MAT INTENSIVE	
	Core thickness	7/16 in	11.1 mm	1 in
Roll width	48 in	1.22 m	36 in	0.91 m
Roll length	50 ft	15.25 m	50 ft	15.25 m
Roll weight	40 lb	18 kg	44 lb	20 kg

**Storage and Handling:** All Siplast roll products should be stored on end on a clean, flat surface. Care should be taken that rolls are not dropped on ends or edges and are not stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All 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 remains dry prior to and during installation.

### Technical Specifications

DRAIN TYPE	TERANAP DRAINAGE MAT EXTENSIVE		TERANAP DRAINAGE MAT INTENSIVE	
	Plants*	Sedum, grasses		Perennials, large shrubs, & small trees
Soil*	Mineral or organic soil		Mineral or organic soil	
<b>Geotextile</b>				
weight	5.6 oz/ft <sup>2</sup>	195 g/m <sup>2</sup>	5.6 oz/ft <sup>2</sup>	195 g/m <sup>2</sup>
flow rate	120 g-p-m/ft <sup>2</sup>	4888 l-p-m/m <sup>2</sup>	120 g-p-m/ft <sup>2</sup>	4888 l-p-m/m <sup>2</sup>
<b>Core</b>				
Compressive strength	15,000 lb/ft <sup>2</sup>	732 kN/m <sup>2</sup>	9,500 lb/ft <sup>2</sup>	460 kN/m <sup>2</sup>
Vertical Flow (gradient = 1.0)	16 g-p-m/ft	200 l-p-m/m	100 g-p-m/ft	1240 l-p-m/m
Horizontal Flow (gradient = 0.1)	6 g-p-m/ft	75 l-p-m/m	21 g-p-m/ft	260 l-p-m/m
<b>Geotextile Separation Layer</b>				
Weight	4 oz/ft <sup>2</sup>	136 g/m <sup>2</sup>	4 oz/ft <sup>2</sup>	136 g/m <sup>2</sup>
* Type of plants, soil type and depth, and other related issues should be reviewed with a regional horticulturist for optimum results.				

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