

TeraPROOF™ 10-11 Drainage Mat

Commercial Product Data Sheet

Description:

TeraPROOF™ 10-11 Drainage Mat is a high-performance, two-layer drainage composite designed for below grade system applications. It features a dimpled drainage core made of impact- and tear-resistant co-polymer polypropylene, fully bonded to a high-strength, non-clogging needle-punched polypropylene geotextile – allowing water to pass freely while blocking soil particles to prevent clogging. The product ensures a continuous path for water discharge and relieves hydrostatic pressure buildup. Suitable applications include underground walls, pile and lagging walls, retaining walls, bridge abutments, and hydrostatic pressure relief layers. Contact Siplast for information on other approved product uses.

Uses:

Drainage mat

Application and Features

Refer to the applicable Siplast Installation Guide for detailed application information of Siplast TeraPROOF™ 10-11 Drainage Mat.

Codes & Compliance:

This product can contribute toward achieving LEED® Certification (LEED® for New Construction and Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings).

Product and Packaging:

	4 ft Roll	6 ft Roll
Roll Sizes	4 ft x 50 ft (1.22 m x 15.24 m)	6 ft x 50 ft (1.83 m x 15.24 m)
Roll Coverage	200 ft² (18.6 m²)	300 ft² (27.9 m²)
Roll Weights (Nominal)	38 lb (17 kg)	56 lb (25 kg)
Rolls Per Pallet	12 rolls	6 rolls
Max Pallet Weight	500 lbs (227 kg)	500 lbs (227 kg)
Pallets Per Truckload (Typical)	56 pallets (double-stacked)	28 pallets (single-stacked)
Truckload Coverage Rate (Typical)	67,200 ft² (6240 m²)	50,400 ft² (4680 m²)



Storage and Handling:

All Siplast roll waterproofing products should be stored on end on a clean flat surface. Rolls should not be dropped on ends or edges or 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. Material should be handled so 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.

Typical Properties	Values/Unit*	Test Method
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Fabric Properties

Material	Polypropylene	
Grab Tensile Strength	90 lb	ASTM D4632
CBR Puncture	265 lb	ASTM D6241
Water Flow Rate	150 gpm/ft²	ASTM D4491
Apparent Opening Size	50 sieve	ASTM D4751

Core Properties

Material	Copolymer Polypropylene	
Thickness	0.4 in (10 mm)	ASTM D5199
Compressive Strength	11,000 psf	ASTM D6364
In-Plane Flow Rate†	18 gpm/ft²	ASTM D4716

* Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.

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