

ROOFSCAPES® TerraDRAIN EN-6



Prefabricated Entangled Mesh Composite Drainage Mat (6 mm)

Description

Terra-DRAIN™ EN-6 (Entangled Mesh) is a 6 mm (0.25") thick prefabricated drainage mat designed to provide drainage and aeration underneath growing media for green roofs, planters, and landscape assemblies.

The core consists of an extruded matrix of patterned polypropylene which is heat-welded to a non-woven polyester filter fabric. There is a selvage edge of extra top fabric along one side of the component that creates an overlap on adjacent components. This prevents migration of growing media downward into underlying layers.

Benefits

- Fire resistant – Class A fire-rated product
- Minimal deflection, and no creep or long-term degradation
- Provides a thin profile for tight construction assemblies
- Eliminates the need to use aggregate for drainage
- Lightweight and easy to handle



Coverage

400 sq/ft per roll



Packaging

48" x 100'
53 lbs per roll
8 rolls per pallet

Uses

- Plaza decks
- Green roofs
- Under slab drainage
- Foundations
- Commercial planters
- Balconies



LEED Credits available for:

- Materials & Resources (MR)

Properties

Geotextile Fabric

Description	Measurement	Test Method
Material	Polyester	
Fabric	Non-Woven	
Weight	1.47 oz/yd ²	ASTM D-5261
Thickness	11.8 mils	ASTM D-1777
Grab Tensile Strength	34 lbs (151 N)	ASTM D-4623
Trapezoid Tear Strength	5 lbs (22 N)	ASTM D-4533
CBP Puncture Strength	250 lbs (1448 N)	ASTM D-6241

Composite Core

Description	Measurement	Test Method
Material	Polypropylene	
Thickness	0.25 in (6 mm)	

Flow Rates by Application (ASTM D-4716)

Hydraulic Gradients	1.0 Gradient (100% Slope)	0.5 Gradient (50% Slope)	0.02 Gradient (2% Slope)
Compression Strength	Flow Rate (gpm/ft of width)	Flow Rate (gpm/ft of width)	Flow Rate (gpm/ft of width)
250 psf	14.13	9.10	1.27
500 psf	13.80	8.84	1.24
1,000 psf	12.48	7.48	1.12
2,000 psf	4.52	6.32	0.65
3,000 psf	3.58	3.04	0.34
4,000 psf	2.48	1.96	0.26
5,000 psf	1.95	1.26	0.11