

Terra-FILTER™ Protective Fleece



100% Recycled Polypropylene Polyester Geotextile Protective Fleece Fabric



Description

Terra-FILTER™ Filter Fabric is a 100% recycled polypropylene polyester geotextile fleece fabric used to protect the roof membrane and/or root barrier against damage from mechanical demands in green roof assemblies.

Engineered for protection and retention, Terra-FILTER™ Protective Fleece has a mass/structure & water holding capacity designed to accommodate the dead load weight, horizontal pressures, and plant palettes in various Terra-SCAPES® green roofs and other Roofscapes® assemblies.

Benefits

- Used in Roofscapes® green roof and plaza deck assemblies for water retention and protection
- Durable, non-biodegradable material
- Protects the roof membrane and/or root barrier against damage from mechanical demands
- Used to separate materials of incompatible substrates
- Available in multiple thicknesses

Uses

- Green roofs
- Protected Membrane Roofs (PMR)
- Plaza Decks
- Landscaping
- Commercial planters

Coverage

- 3.5 mm**
1,076 sq/ft per roll
- 4 mm**
1,076 sq/ft per roll
- 6 mm**
538 sq/ft per roll
- 8 mm**
323 sq/ft per roll

Properties

Description	3.5 mm Measurement	4 mm Measurement	6 mm Measurement	8.5 mm Measurement	Test Method
Material	<ul style="list-style-type: none"> • Polypropylene • Polyester • Acrylic Thread 	<ul style="list-style-type: none"> • Polypropylene • Polyester • Acrylic Thread 	<ul style="list-style-type: none"> • Polypropylene • Polyester • Acrylic Thread 	<ul style="list-style-type: none"> • Polypropylene • Polyester • Acrylic Thread 	–
Fabric	100% Recycled	100% Recycled	100% Recycled	100% Recycled	–
Thickness	3.5 mm (0.14 in)	4.1 mm (0.16 in)	6.1 mm (0.24 in)	8.6 mm (0.34 in)	–
Length	164' 1/2"	164' 1/2"	89' 1/4"	49' 2-1/2"	–
Width	6' 6-3/4"	6' 6-3/4"	6' 6-3/4"	6' 6-3/4"	–
Diameter	1' 5-3/4"	1' 7-3/4"	1' 4-1/2"	1' 3-3/4"	–
Weight (Unsaturation)	66 lbs	110 lbs	99 lbs	79 lbs	ASTM D-5261
Weight (Saturated)	0.47 lbs/ft²	0.81 lbs/ft²	1.41 lbs/ft²	1.68 lbs/ft²	ASTM D-5261
Water Holding Capacity	0.08 in³/in² (0.049 g/ft²)	0.14 in³/in² (0.085 g/ft²)	0.24 in³/in² (0.147 g/ft²)	0.28 in³/in² (0.171 g/ft²)	ASTM D-4491
Rot / Pathogen Resistant	Pass	Pass	Pass	Pass	ASTM D-4355
CBR Puncture Resistant	Pass	Pass	Pass	Pass	ASTM D-6241
UV Resistant	Pass	Pass	Pass	Pass	ASTM D-6241
Green Roof Assembly	Extensive	Semi-Intensive / Lawn	Intensive	Plaza Deck / Accessible	–
Installation	Overlap fabric by 6"	Overlap fabric by 6"	Overlap fabric by 6"	Overlap fabric by 6"	–



Packaging

- 3.5 mm**
66 lbs per roll
6 rolls per pallet
- 4 mm**
110 lbs per roll
5 rolls per pallet
- 6 mm**
99 lbs per roll
6 rolls per pallet
- 8.5 mm**
79 lbs per roll
8 rolls per pallet