

PARADRAIN 40 FILTER FABRIC



Commercial Product Data Sheet

Product Description and Uses

Paradrain 40 Filter Fabric is a nonwoven chemical-resistant geotextile made up of a network of polypropylene fibers. Paradrain 40 Filter Fabric is designed for preventing the passage of ballast fines, soils, or other loose overburden material into the insulation and waterproofing systems below the fabric on protected membrane waterproofing assemblies.

Installation

Install Paradrain 40 Filter Fabric loose laid and lapped a minimum of 12 inches at side and end laps. Extend fabric up vertical surfaces at penetrations, equipment, and perimeters. After the overburden is placed, trim any excess fabric exposed at penetrations, equipment, and perimeters to the level of overburden components.

Immediately install the ballast system over the fabric to prevent heat build-up beneath the fabric, especially when extruded polystyrene panels are used. High temperatures resulting from solar load may result in damage to the underlying insulation panels. The use of a light color tarp should be considered if the fabric is to be exposed in hot weather or when exposed to a solar load and the resulting high temperatures.

Shipping Information

Paradrain 40 Filter Fabric is rolled onto a cardboard core and shrink-wrapped.

Weight per roll: 139 lb (63 kg)

Roll Size: 15 ft X 300 ft (4.5 m X 91 m)

Rolls are shipped individually.

Storage and Handling

Store on a clean flat surface. Care should be taken to ensure the rolls are not dropped on ends. Store in a dry location, out of direct exposure to the elements. Do not expose to open flame.

Physical Properties

Mechanical Properties	Test Method	Minimum Value
Grab Tensile Strength	ASTM D 4632	MD: 90 lb (0.4 kN) CD: 90 lb (0.4 kN)
Grab Tensile Elongation	ASTM D 4632	MD: 50% CD: 50%
Mullen Burst Strength	ASTM D 3786	(1205 kPa) 175 psi
Trapezoid Tear Strength	ASTM D 4533	MD: 40 lb (0.178 kN) CD: 40 lb (0.178 kN)
Puncture Strength	ASTM D 4833	0.24 lb (55 kN)
Apparent Opening Size	ASTM D 4751	U.S. Sieve 60 (0.25 mm)
Permittivity	ASTM D 4491	2.0 sec ⁻¹
Flow Rate	ASTM D 4491	145 gal/min/ft ² (5907 l/min/m ²)
UV Resistance at 500 hours	ASTM D 4355	Strength retained 70%
Permeability	ASTM D 4491	0.20 cn/sec
Weight	ASTM D 5261	3.8 oz/yd ² (129 g/m ²)
Thickness	ASTM D 5199	50 mils (1.3 mm)

(MD = Machine Direction)
(CD = Cross Direction)

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