

## SkyDrain™ Sheet



### Item Description

.30" Polypropylene drainage composite

### Item Number

W56GARDR05

## Product Information

### Description:

Firestone SkyDrain Sheet serves as the required substrate and drainage panel for all Firestone SkyPaver™ Composite Roof Pavers installations. SkyDrain consists of a 40% recycled polypropylene drainage core, with geocomposite fabrics thermally bonded to both the top and bottom. The high compressive strength of the SkyDrain core enables outstanding water flow even when the paver area is in constant use, and the two geocomposite fabrics allow for differential movement between the roofing membrane and the SkyPaver system. SkyDrain lays flat when unrolled, and comes with pre-manufactured 3" fabric overlaps at all ends and edges, enabling fast and easy installation. SkyDrain may also be used with certain SkyScape Vegetative Roof System installations, when approved for this use by Firestone.

### Method of Application:

1. Prior to installation of the roofing membrane, all substrates must be clean, dry, smooth, free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials which may damage the membrane.
2. Starting at one corner of the highest point of the roof paver installation area, unroll the SkyDrain drainage panels.
3. Panels should be butted together, with both the top and bottom geocomposite fabrics overlapped at all ends and edges.
4. SkyDrain may be cut to fit around deck penetrations and protrusions; either shears or box cutters may be used. Do not cut SkyDrain when it is in contact with the roofing membrane or flashings.

### Storage:

- Deliver and store products in original packaging with Manufacturer's labels and materials list intact and signed off.
- Store products in designated weather protected areas, elevated from ground and protected from environmental damage.

**Shelf Life:** Indefinite

**Coverage Rate:** 601.3 square feet per roll

**Precautions:** None

### LEED® Information:

Post Consumer Recycled Content: 40%  
Post Industrial Recycled Content: 0%  
Manufacturing Location: Enka, NC

# TECHNICAL INFORMATION SHEET



## SkyDrain™ Sheet

### Physical Properties

Property	English Units	Metric Units
Core Material	Polypropylene-40% Recycled	Polypropylene-40% Recycled
Thickness:	0.30 in	7.6 mm
Total Weight:	21.9 oz/yd <sup>2</sup>	742.6 g/m <sup>2</sup>
Core Weight:	16.0 oz/yd <sup>2</sup>	542.6 g/m <sup>2</sup>
Geocomposite Fabric Weight:	2.95 oz/yd <sup>2</sup>	100.0 g/m <sup>2</sup>
Compressive Load Test	>30,000psf (ASTM D 1621 and D 4716)	>1436kN/m <sup>2</sup>
Core Width:	39.0 in	99.1 cm
Length:	185 ft	56.4 m
Coverage Area (square yards):	66.8 yd <sup>2</sup>	55.9 m <sup>2</sup>
Coverage Area (square feet):	601.3 ft <sup>2</sup>	55.9 m <sup>2</sup>
Roll Diameter:	25 in	63 cm
Gross Roll Weight:	97 lb	43.85 kg

Property	English Units	Metric Units	Test Method
Polymer:	PA6 & PET	---	---
Grab Strength MD/CD:	125.0 lb	556.0 N	ASTM D 4632
Grab Elongation:	40%	40%	ASTM D 4632
Trapezoidal Tear:	40.0 lb	177.9 N	ASTM D 4533
Puncture Strength:	35.0 lb	155.0 N	ASTM D 4833
AOS (maximum average):	---	0.357 mm	ASTM D 4751
Geocomposite Fabric Flow Rate:	185.0 gal/min/ft <sup>2</sup>	125.61/sec/m <sup>2</sup>	ASTM D 4491
Permittivity:	2.5 sec <sup>-1</sup>	2.5 sec <sup>-1</sup>	ASTM D 4491

Values are MARV Minimum Average Roll Value

### Flow Rates

Pressure	1.0 Gradient
500 psf	10.55 gal/min/ft
1000 psf	9.71 gal/min/ft
2000 psf	8.34 gal/min/ft
3000 psf	6.63 gal/min/ft
4000 psf	4.99 gal/min/ft

Typical flow vs. pressure for vertical applications (ASTM D 4716)

Please contact your Firestone Building System Advisor at 1-800-428-4511 for further information.

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