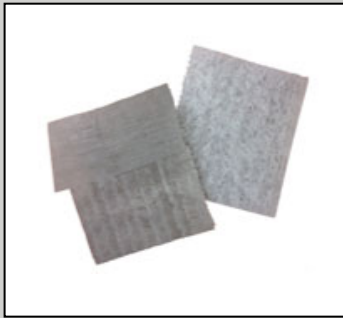


# Technical Information Sheet



## SKYDRAIN SHEET

Item Description	Item Number
.30" (7.62 mm)	W56GARDR05

### DESCRIPTION

Elevate SkyDrain Sheet serves as the required substrate and drainage panel for all Elevate 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" (76.2 mm) 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 Elevate.

### 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 (55.9 m<sup>2</sup>) per roll

## LEED® INFORMATION

Post-consumer recycled content: 40%  
 Post-industrial recycled content: 0%  
 Manufacturing location: Enka, NC

NOTE: LEED® is a registered trademark of the U.S. Green Building Council

TYPICAL PROPERTIES		
Property	Units	Test Method
Core Material	Polypropylene-40% Recycled	---
Thickness	0.300" (7.66 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	>30,000 psf (>1436kN/m <sup>2</sup> )	ASTM D 1621 and D 716
Core Width	39" (996.6 mm)	---
Length	185' (56.4 m)	---
Coverage Area (sq yards)	66.8 yd <sup>2</sup> (55.9 m <sup>2</sup> )	---
Coverage Area (sq ft)	601.3 ft <sup>2</sup> (55.39 m <sup>2</sup> )	---
Roll Diameter	25" (635 mm)	---
Gross Roll Weight	97 lb (43.85 kg)	---
Polymer	PA6 & PET	---
Grab Strength MD/CD	125 lb (556.0 N)	ASTM 4632
Grab Elongation	40%	ASTM 4632
Trapezoidal Tear	40 lb (177.9 N)	ASTM 4633
Puncture Strength	.014" (.357 mm)	ASTM 4633
AOS (maximum average)	.014" (.357 mm)	ASTM 4751
Geocomposite Fabric Flow Rate	185.0 gal/min/ft <sup>2</sup> (125.6l/sec/m <sup>2</sup> )	ASTM 4491
Permittivity	2.5 sec <sup>-1</sup>	ASTM 4491

Flow Rates	
Property	Units
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

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