



# EnviroGrid®

## Paver

The EnviroGrid Paver creates a porous stable surface that will help you comply with new stormwater management regulations. The use of the EnviroGrid Paver reduces runoff volumes and helps protect and conserve natural areas. Section and cell size will change as each section is expanded to the required dimension. Section length can be increased or decreased by adding or subtracting cells at no additional charge. The EnviroGrid Paver is ADA compliant.

Standard sections are manufactured from 58 strips of HDPE, resulting in a section length of 29 cells and 10 cells wide. Each strip is the appropriate width and 82 inches (2.08m) in length. Weld spacing is 8.0 in ± .12 in (203 ± 3mm).

MATERIAL PROPERTIES	TEST METHOD	UNIT	TEST VALUE
Minimum Polymer Density	ASTM D 1505	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	0.940 (58.7)
Environmental Stress Crack Resistance	ASTM D 5397	hours	>400
Carbon Black Content	ASTM D 1603	% by weight	1.5% minimum
Nominal Sheet Thickness <sup>1</sup> before texturing	ASTM D 5199	mm (mil)	1.27 (50) -5%,+10%
Nominal Sheet Thickness <sup>1</sup> after texturing	ASTM D 5199	mm (mil)	1.50 (60) -5%,+10%

Polyethylene strip shall be textured with a multitude of rhomboidal (diamond shape) indentations. The rhomboidal indentations shall have a surface density of 22 to 31 per cm<sup>2</sup> (140 to 200 per in<sup>2</sup>).

PHYSICAL PROPERTIES	UNIT	TYPICAL VALUE			
Nominal-Expanded Cell Size (width x length)	mm (in)	146 (5.75) x 127 (5)			
Nominal-Expanded Cell Area	cm <sup>2</sup> (in <sup>2</sup> )	92.9 (14.4)			
Nominal-Expanded Section (width x length)	m (ft)	1.46 (4.8) x 3.68 (12.08)			
Nominal-Expanded Section Area (width x length)	M <sup>2</sup> (ft <sup>2</sup> )	5.4 (58)			
Cell Depth	mm (in)	50 (2.0)	75 (3.0)	100 (4.0)	125 (5.0)
Seam Peel Strength	N (lbs)	710 (160)	1065 (240)	1420 (320)	1775 (400)
Seam Hang Strength	--	A 102mm (4.0in) weld joint supporting a load of 72.5 kg (160 lbs) for 30 days minimum or a 102mm (4.0in) weld joint supporting a load of 72.5 kg (160 lbs) for 7 days minimum while undergoing temperature change from 23°C (74°F) to 54°C (130°F) on a 1 hour cycle.			

<sup>1</sup>The Nominal Sheet Thickness is an average thickness of the sheet, taken from the mean of 10 readings.

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