



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.

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 ³ (lb/ft ³)	0.940 (58.7)
Environmental Stress Crack Resistance	ASTM D 1693	hrs	3400
Carbon Black Content	ASTM D 1603	% by weight	1.5% minimum
Nominal Sheet Thickness	ASTM D 5199	mm (mils)	1.25 (50)±5%

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 ² (in ²)	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 ² (ft ²)	5.4 (58)			
Cell Depth	mm (in)	50 (2.0)	75 (3.0)	100 (4.0)	125 (5.0)
Seam Peel Strength ¹	N (lbs)	710 (160)	1065 (240)	1420 (320)	1775 (400)
Flexural Strength	--	15 layers of a 102mm (4.0 in) perforated material shall be tested for flexural strength (simply supported beam) per ASTM D 790 modified. Minimum value Flexural Stiffness (EI) of 40,000 (lb-in ²), cross-head speed 0.5, in/min, EI = PL3/48fc			
Section Weight	Kg(lbs)	7.48 (16.5)	11.22 (24.75)	15 (33)	18.7 (41.25)
Sections per Pallet	--	100	60	50	40
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.			

¹ Seam Peel Strength per U.S. Army Corps of Engineers Technical Report GL-86-19, Appendix A

² Licensed from the United States Army under Patent No. 4,797,026.

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