

StrataWeb® 445 Product Data

STRATAWEB® is a high performance three dimensional cellular confinement system. Filled with granular material, StrataWeb provides superior confinement and reinforcement for load support, erosion control, and slope reinforcement applications. StrataWeb is manufactured from extruded strips of HDPE that are precision welded to form multiple cell heights and sizes. Sections consist of 58 strips of HDPE, resulting in sections of 29 cells long and 8 cells wide. If perforations are required then 11% ± 2%, and up to 16% ± 3%, of the cell wall is removed.

MATERIAL PROPERTIES	TEST METHOD	UNIT	TEST VALUE
Polymer Density	ASTM D 1505	g/cm ³ (lb/ft ³)	0.935-0.965 (58.4-60.2)
Environmental Stress Crack Resistance	ASTM D 5397	hours	>400
Carbon Black Content	ASTM D 1603	% by weight	1.5% minimum
Nominal Sheet Thickness after texturing	ASTM D 5199	mm (mil)	1.52 (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 ² (140 to 200 per in ²).			

PHYSICAL PROPERTIES	UNIT	TYPICAL VALUE			
Nominal-Expanded Cell Size (width x length)	mm (in)	320 (12.6) x 287 (11.3)			
Nominal-Expanded Cell Area	cm ² (in ²)	460 (71.3)			
Nominal-Expanded Section (width x length)	m (ft)	2.56 (8.4) x 8.35 (27.4)			
Nominal-Expanded Section Area (width x length)	m ² (ft ²)	21.4 (230)			
Cell Depth	mm (in)	75 (3)	100 (4)	150 (6)	200 (8)
Seam Peel Strength ¹	N (lbs)	1065 (240)	1420 (320)	2130 (480)	2840 (640)
Section Weight	kg (lbs)	19.5 (43)	25.9 (57)	39 (86)	51.7 (114)
Sections per Pallet	--	60	50	30	25
Seam Hang Strength	--	A 102mm (4in) weld joint supporting a load of 72.5 kg (160 lbs) for 30 days minimum or a 102mm (4in) 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



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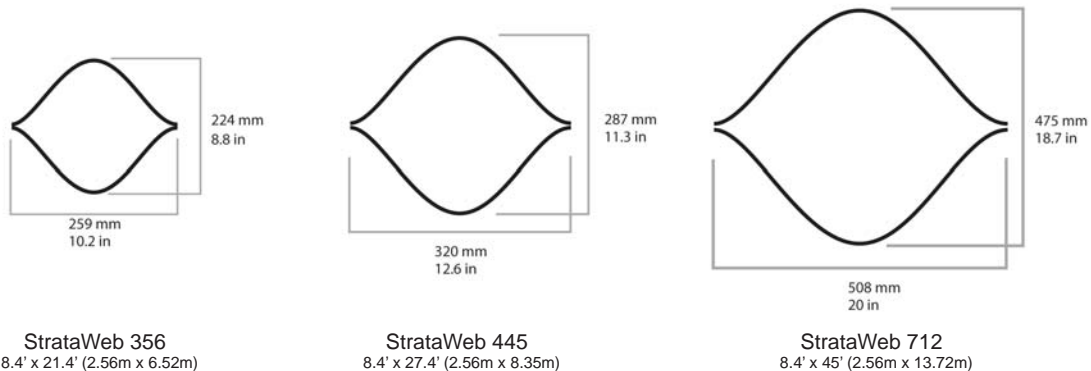
Specification is subject to change without notice. The sizing, use and selection of the products should be completed by a licensed design professional.

The performance data herein reflect Strata System, Inc.'s expectation based on tests conducted in accordance with recognized standard methods. The sale of these products shall be subject to the Terms and Conditions of Sale as set forth in Strata Systems, Inc. sales forms. Such Terms and Conditions of Sale will provide that Strata Systems, Inc. will have no liability for consequential damages and will include certain limited express warranties concerning these products. ALL OTHER EXPRESS AND IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED BY STRATA SYSTEMS, INC. No agent, employee or representative of Strata Systems, Inc. is authorized to modify this disclaimer.

This product specification supersedes all prior specifications for the product described and is not applicable to any products shipped prior to January 1, 2015.

StrataWeb®

StrataWeb® is manufactured in three cell sizes

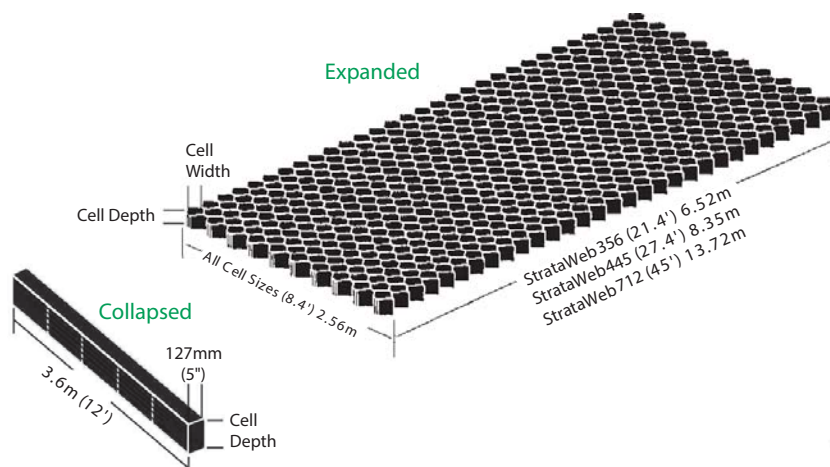


StrataWeb panels can be provided in cell heights of 3" (75mm), 4" (100mm), 6" (150mm), and 8" (200mm). Standard panels are constructed of 58 strips with the dimensions above.

Custom sizes and solid or perforated cell walls are available.

When perforations are required. Cell wall is perforated as follows:

1. Horizontal Rows: 10-mm diameter holes, 16.6 mm on center.
2. Stagger horizontal rows and separate 8.3 mm relative to hole centers.
3. Edge of Cell Wall to Nearest Edge of Perforations: 7.93 mm.
4. Centerline of Weld to Nearest Edge of Perforations: 27.9 mm minimum.
5. This corresponds to $11\% \pm 2\%$, and up to $16\% \pm 3\%$ cell wall removed depending on the cell width and depth.



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