

# StrataWeb® HD

StrataWeb® HD is a strong confinement system that offers a cost-effective and long-lasting solution for load bearing applications. Engineered for diversity, StrataWeb® HD is used for critical, heavy load applications where soils are weak.



## Material properties

<b>Polymer density</b> (ASTM D 1505)	g/cm <sup>3</sup>	0.935-0.965
<b>Environmental stress crack resistance</b> (ASTM D 1693)	hrs	>5000
<b>Carbon black content</b> (ASTM D 1603)	%	min. 2.0
<b>Nominal sheet thickness (post texturing)</b> (ASTM D 5199)	mm	min. 1.65
<b>Material</b>	Compound of various Polyethylenes and additives	
<b>Texture</b>	Polyethylene strip consists of a multiple rhomboidal indentations, over the entire strip area on both sides of the strip. The indentations have a surface density of 22 to 32 per cm <sup>2</sup> .	
<b>Perforations</b>	Polyethylene strip is perforated with horizontal rows of maximum 10 mm diameter holes. Cell perforations area is less than 12% of cell surface area	

## Cell/ Section properties

Property	Unit	SW HD 330	SW HD 356	SW HD 445	SW HD 660	SW HD 712	
<b>Weld spacing</b> (± 3%)	mm	330	356	445	660	712	
<b>Cell Depth</b> (± 3%)	mm	75, 100, 125, 150, 200, 250, 300					
<b>Expanded cell dimensions</b> (± 3%)	Width	mm	244	259	320	488	508
	Length	mm	210	224	287	436	475
<b>Expanded cell area</b> (± 3%)	cm <sup>2</sup>	250	289	460	1000	1206	
<b>Nominal expanded section</b> <sup>1</sup> (± 3%)	Width	m	2.44	2.59	2.56	2.44	2.56
	Length	m	6.10	6.50	8.35	12.63	13.72
<b>Nominal expanded section area</b> (± 3%)	m <sup>2</sup>	14.9	16.8	21.4	30.8	35.1	

Seam properties	Cell depth							
	mm	75	100	125	150	200	250	300
<b>Seam peel strength</b> (± 5%) (US ACE Technical report, GL-86-19)	N	1065	1420	1775	2130	2840	3550	4260

<sup>1</sup>The values can be customized  
The properties might change at the time of manufacturing, storing, handling or shipping  
The above values are subject to change as per discretion of the company

