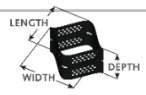
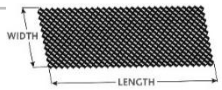
StrataWeb® HD

StrataWeb® is a strong, 3D rhomboidal cellular confinement system, which offers unique, eco-friendly solutions for various civil engineering challenges. Engineered for diversity, StrataWeb® can be utilised in various sectors such as roads, railways, ports and others.

Mechanical properties		
Polymer density (ASTM D 1505/ASTM D 792)	g/cm^3	0.935 - 0.965
Environmental stress crack resistance (ASTM D 1693)	Hours	>5000
Carbon black content (ASTM D 1603/ASTM D 4218)	%	min. 2.0
Nominal sheet thickness (post texturing) (ASTM D 5199)	mm	min. 1.65
Material	Compound of various polyethylenes and additives	
Texture	Polyethylene strip consists of multiple rhomboidal indentations, having a surface density of 22 to 32 per cm^2	
Perforations	Polyethylene strip is perforated with horizontal rows of maximum 10 mm diameter holes. Cell perforations area is less than 12% of the cell surface area	

Cell/section properties

Property		Unit	SW 330	SW 356	SW 445	SW 660	SW 712
Weld spacing (± 3%)		mm	330	356	445	660	712
Expanded cell dimension (± 3%) 	Width	mm	244	259	320	488	508
	Length	mm	210	224	287	436	475
Expanded section (± 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
Expanded section area (± 3%)		m^2	14.9	16.8	21.4	30.8	35.1

Seam properties

Cell depth (available for all welds)

Seam peel strength (min.) (US ACE technical report, GL-86-19/EN ISO 13426-Method B)	mm	75	100	125	150	200	250	300
	N	1065	1420	1775	2130	2840	3550	4260

Notes

- Section length can be customized as per site requirements.
- The above properties might change at the time of the manufacturing, storing, handling or shipping.
- The above values are subject to change as per the discretion of the company.
- Tested in GAI-LAP and NABL accredited laboratories.

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