

StrataWeb® is a lightweight yet 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.

Material properties

Polymer density (ASTM D 1505/ASTM D 792)	g/cm ³	0.935 - 0.965
Carbon black content (ASTM D 1603/ASTM D 4218)	%	min. 1.5%
Nominal sheet thickness (post texturing) (ASTM D 5199)	mm	min. 1.25
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 dimensions (± 3%)		Width	mm	244	259	320	488	508
		Length	mm	210	224	287	436	475
Nominal 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
Nominal 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)	mm	75	100	125	150	200	250	300
	N	750	1000	1250	1500	2000	2500	3000

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.

