

StrataWeb®

StrataWeb® is a lightweight yet strong, 3D honeycomb-like 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)	g/cm ³	0.935-0.965
Environmental stress crack resistance (ASTM D 1693)	hrs	>5000
Carbon black content (ASTM D 1603)	%	min. 2.0
Nominal sheet thickness (post texturing) (ASTM D 5199)	mm	min. 1.52
Material	Compound of various Polyethylenes and additives	
Texture	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 ² .	
Perforations	Polyethylene strip is perforated with horizontal rows of maximum 10 mm diameter holes. Cell perforations area is less than 12% of cell surface area	

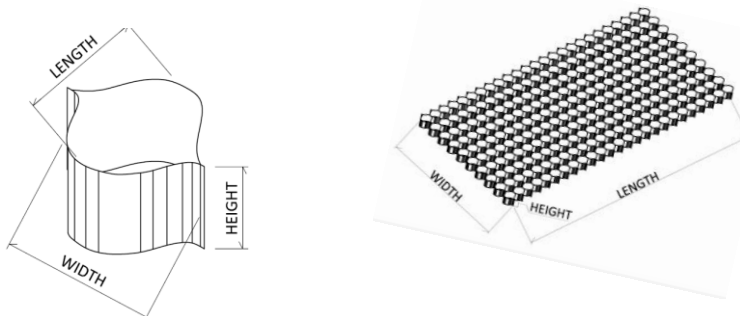
Cell/ Section properties

Property	Unit	SW330	SW356	SW445	SW660	SW712	
Weld spacing (± 3%)	mm	330	356	445	660	712	
Cell Depth (± 3%)	mm	75, 100, 125, 150, 200, 250, 300					
Expanded cell dimensions (± 3%)	Width	mm	244	259	320	488	508
	Length	mm	210	224	287	436	475
Expanded cell area (± 3%)	cm ²	250	289	460	1000	1206	
Nominal expanded section ¹ (± 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							
	mm	75	100	125	150	200	250	300
Seam peel strength (US ACE Technical report, GL-86-19)	N	1065	1420	1775	2130	2840	3550	4260

¹The 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



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Registered office:
Sabnam House, Plot No. A - 15/16,
Central Cross Road - B, MIDC, Andheri (East),
Mumbai - 400093, India
T: + 91 22 4063 5100 I F: +91 22 4063 5199

E: info@strataindia.com | W: www.strataindia.com
India. USA. Brazil. Ireland
CIN: U17299MH2004PTC148625

SW/PM/07/16/1
Manufacturing unit:
62 - 64, Silver industrial Estate,
Patalia Road, Bhimpore, Daman,
UT - 396210, India
T: + 91 0260 2220160