

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.

Material 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) | 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.

