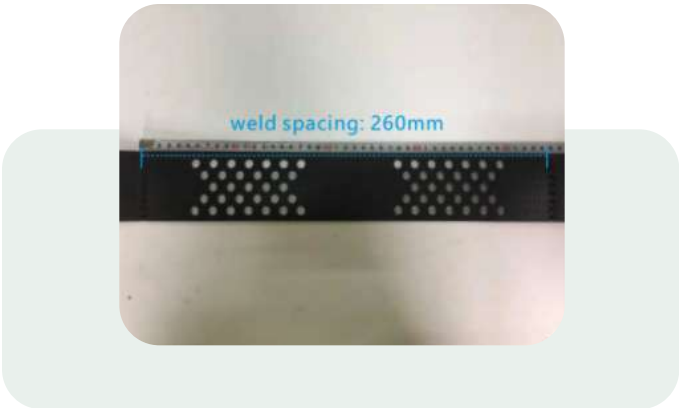


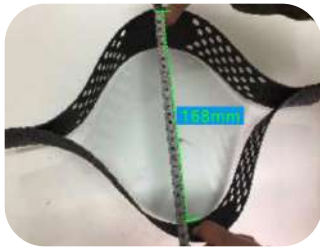
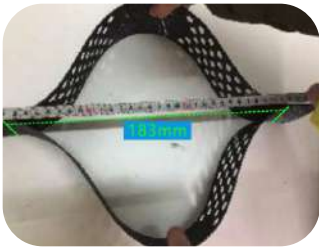
Expanded Area Variations

1. Collapsed Dimension



2. Expanded Dimension

- 1. Diamond Shape



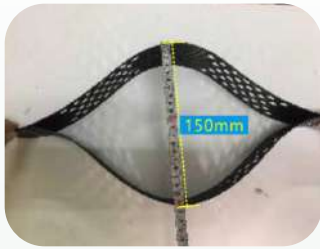
Dimension: 183mm x 168mm

- 2. Square Shape



Dimension: 183mm x 183mm

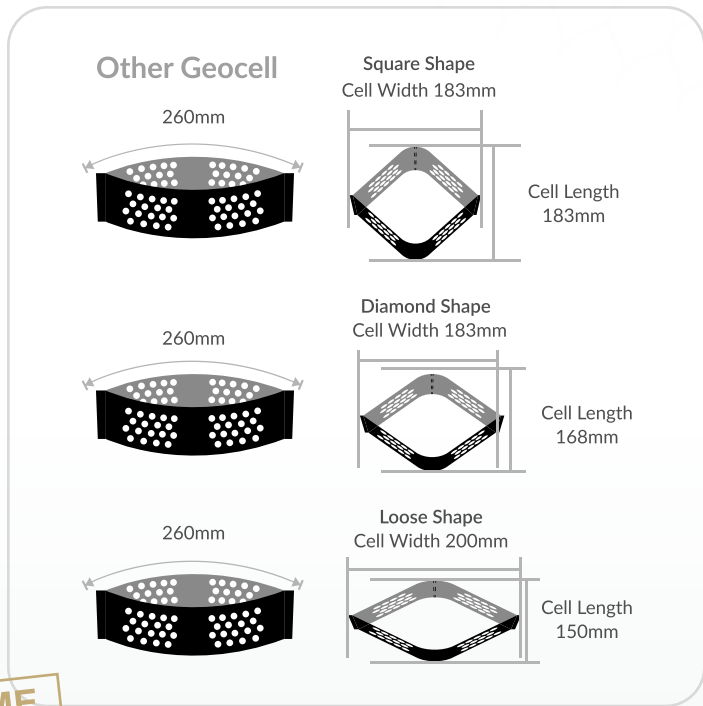
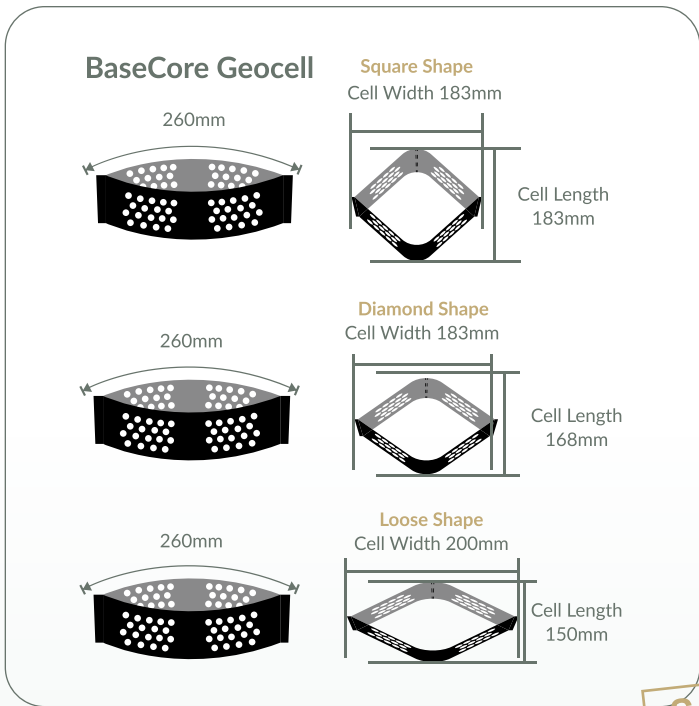
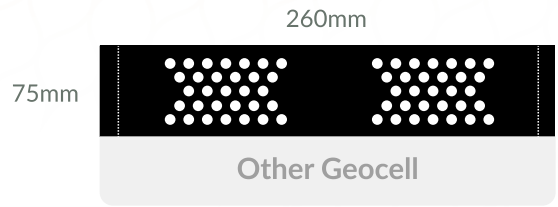
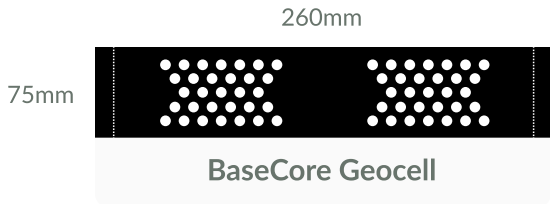
- 3. Loose Shape



Dimension: 200mm x 150mm

When expand the cells in different angles, it will affect the dimension and then affect the whole section's dimension. But the material is produced the exact same size every time.

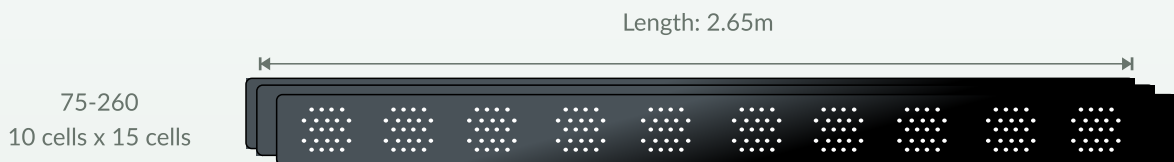
3. Cell Measurement



SAME

When the weld spacing is the same (260mm), the expanded cell dimension is the same, the only difference is due to the different Expanded Angles.

4. Packaging



Cell

Ref. 201903E7

- | | | |
|----------------|---|----------------|
| • Cell Depth | - | 75 mm (±1%) |
| • Weld Spacing | - | 290 mm (±0.5%) |

Property
Test Method
Value

- | | | |
|----------------------|-------------------------|-------------------------------|
| • Material | - | HDPE Basic |
| • Density | ASTM D1505 | 0.940-0.960 g/cm ³ |
| • Carbon Black | ASTM D1603 | ≥ 1.5 % |
| • Peeling Strength | EN ISO 13426-1 Method B | 1200 N [16 kN/m](min.avg.) |
| • Splitting Strength | EN ISO 13426-1 Method C | 2400 N [32 kN/m](min.avg.) |
| • Tensile Strength | ASTM D638 | ≥ 25 kN/m |
| • ESCR | ASTM D1693 | ≥ 7000 hrs |

Nominal Dimension (Expanded)

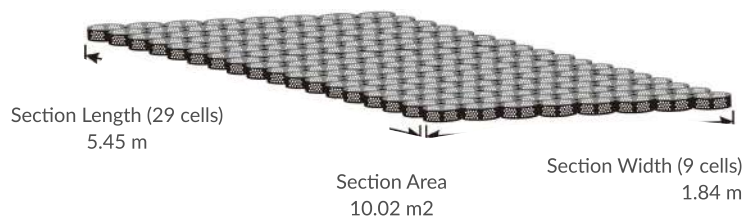
- | | | |
|----------------|---|-----------------------------|
| • Cell Size | - | 205 mm x 188 mm |
| • Cell Numbers | - | 9 cells (W) x 29 cells (L) |
| • Section Size | - | 1.84 m (W) x 5.45 m (L) |
| • Section Area | - | 10.02 m ² (±10%) |

Drawing

Weld Spacing 290 mm



Cell width 205 mm



- Peeling strength >145N/cm when including tendon holes
- Section size can be customized
- Section dimension is expanded theoretically
- Other specific data sheet can be claimed

7845 E. Gelding Dr. Suite 104 | Scottsdale AZ 85260
Phone: 888-511-1553 | web: www.basecore.co

This information is provided for reference only and is not intended as a warranty or guarantee. Impulsion Solutions assumes no liability in connection with the use of this information (1/2022).