

Slope Stabilization Cell

- ◀ Protection of slopes
- ◀ Protection of banks
- ◀ Landscaping
- ◀ Ground stabilization
- ◀ Soil Stabilization
- ◀ Line construction at canals
- ◀ Control and stabilization of erosion
- ◀ Retaining walls

TECHNICAL SPECIFICATIONS

Specifications of Materials

| | |
|-------------------------------------|--|
| Cell density (cell/m ²) | 10, 15, 20, 25, 30, 35, 45 |
| Cell height (mm) | 75, 100, 150, 200 |
| Type of cell diameter | With holes, flat |
| Color | Black (can optionally be produced in different colors) |
| Perforations | ~ %16.5 |

General Specifications

| | | | |
|--|--|--------------|------------|
| Material type | HDPE (high density poly ethylene) | | |
| Material density (gr/cm ³) | 0.950 ± 0.015 | ASTM D1505 | |
| ESCR (Hour) | >3000 | ASTM 1693 | |
| Carbon Black Content (%) | 2.0+0.5 | | |
| Type of cell wall | Full (smooth, textured) With holes and textured | | |
| Texture | Equilateral square indents, approximately 23/cm ² | | |
| Perforations (%) | 0 - 16.5% | | |
| Wall thickness (mm) | smooth | 1.25 ± 0.15 | |
| | textured | >1.25 ± 0.15 | ASTM D5199 |
| | | <1.52 ± 0.15 | |
| Type of weld | Ultrasonic | | |
| Seam textile peel strength (N/cm) | >145 | | |
| Colors | Black, Green | | |

Cell Specifications

| Type | Diagonal Length (mm) | Distance between welds (mm) | Cells/m ² | Cell area (cm ²) |
|-------|----------------------|-----------------------------|----------------------|------------------------------|
| MC 10 | 491 | 712 | 8.3 | 1208 |
| MC 15 | 408 | 593 | 12.0 | 832 |
| MC 20 | 348 | 509 | 16.5 | 607 |
| MC 25 | 304 | 445 | 21.7 | 461 |
| MC 30 | 269 | 396 | 27.6 | 362 |
| MC 35 | 242 | 356 | 34.3 | 292 |
| MC 45 | 219 | 324 | 41.7 | 240 |

Unit Specifications

| Type | Unit width (m) | Width | Expanded Dimensions | | | | | | | | | |
|-------|----------------|-------|---------------------|---------|--------|---------|--------|---------|----------------------------|-------------|------------------|--|
| | | | Cell number | | | | Length | | Coverage (m ²) | | Unit weight (kg) | |
| | | | Length | | Height | | Height | | Height | | | |
| | | | 75/100 | 150/200 | 75/100 | 150/200 | 75/100 | 150/200 | 75/100 | 150/200 | | |
| MC 10 | 2.46 | 5 | 36 | 18 | 17.7 | 8.9 | 43.5 | 21.7 | 20.8 / 27.7 | 20.8 / 27.7 | | |
| MC 15 | 2.45 | 6 | 36 | 18 | 14.7 | 7.3 | 35.9 | 17.9 | | | | |
| MC 20 | 2.44 | 7 | 36 | 18 | 12.5 | 6.3 | 30.4 | 15.3 | | | | |
| MC 25 | 2.43 | 8 | 36 | 18 | 10.9 | 5.5 | 26.6 | 13.3 | | | | |
| MC 30 | 2.42 | 9 | 36 | 18 | 9.7 | 4.9 | 23.4 | 11.7 | | | | |
| MC 35 | 2.42 | 10 | 36 | 18 | 8.7 | 4.4 | 21.0 | 10.5 | | | | |
| MC 45 | 2.42 | 11 | 36 | 18 | 7.9 | 3.9 | 19.0 | 9.5 | | | | |

Head Office:

Factory: