TenCate develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

Miragrid® 2XT geogrid is a high strength, high tenacity, high molecular weight polyester geogrid manufactured for use in low height segmental retaining walls and reinforced slope facing stability.

Miragrid® 2XT geogrid is woven and then coated with a polymer coating to provide dimensional stability. The high molecular weight, high tenacity polyester yarns used in the Miragrid® 2XT geogrid result in excellent creep resistance. The high molecular weight polyester fibers are also resistant to the potentially degradative effects of hydrolysis and chemical attack in the range of pH normally encountered in reinforced soil environments.

The Difference Miragrid® 2XT Geogrid Makes:
- Biaxial strength. Same strength in both directions.
- Convenient packaging. Small roll packaging for easier handling and storage.
- Roll widths. Available in 4 feet wide (POP bags), 6 feet wide rolls on pallets and 12 feet wide rolls for maximum flexibility.
- Flexible and tough. Delivers immediate soil to geogrid stress transfer ensuring minimal movement of soil structure.
- Lightweight. At least 33% lighter than most rigid geogrids but durable for construction.
- Cost effective. Creep resistant polyester fibers provide a higher allowable tensile strength, minimizing the required number of geogrid layers.
- Easy handling. No sharp edges which may injure workers.

PACKAGING
Miragrid® 2XT is available in point-of-purchase (POP) display packaging or in commercial size rolls.

The POP display box contains 10 rolls, each 4 feet wide x 45 feet long (180 ft²), placed in a clear bag. Each POP display box is printed with quantity estimating information (as shown at right).

INSTALLATION GUIDELINES*
The POP packed rolls can either be purchased in the full box (10 rolls/box) or in 3 roll bundles without a box.

Place Miragrid® 2XT a maximum vertical spacing of every 2 SRW units. Provide adequate drainage and compacted fill per SRW unit manufacturer’s instructions. Chart is for estimating purpose only. Final design should be performed by a registered, professional engineer to meet all local codes and regulations. No provisions have been made for global/external stability, nor site topography. Use higher strength Miragrid® geogrids in walls over 6 feet in height.

* These guidelines serve as a general basis for installation. Detailed instructions are available from your TenCate representative.
Miragrid® 2XT Biaxial Geogrid for Retaining Wall Reinforcement

### Property | Test Method | 2XT
--- | --- | ---
Polymer (coating) | – | PET (PVC)
Ultimate Wide Width Tensile Strength* | ASTM D6637 | 2000 lbs/ft (29.2 kN/m)
Creep Reduced Strength* | ASTM D5262 | 1266 lbs/ft (18.5 kN/m)
Long Term Design Strength* | GRI-GG4 | 1096 lbs/ft (16.0 kN/m)
(In Type 3 Backfill: sand, silt, clay)

*Machine Direction and Cross Machine Direction

### Roll Packaging

<table>
<thead>
<tr>
<th>Units</th>
<th>POP Bag</th>
<th>Commercial Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roll Width</td>
<td>ft (m)</td>
<td>4 (1.22)</td>
</tr>
<tr>
<td>Roll Length</td>
<td>ft (m)</td>
<td>45 (13.7)</td>
</tr>
<tr>
<td>Est. Roll Wt.</td>
<td>lbs (kg)</td>
<td>10 (4.5)</td>
</tr>
<tr>
<td>Area</td>
<td>yd² (m²)</td>
<td>20 (16.7)</td>
</tr>
<tr>
<td>Rolls/pallet</td>
<td>-</td>
<td>36</td>
</tr>
</tbody>
</table>

### BOX Packaging

<table>
<thead>
<tr>
<th>Units</th>
<th>POP Bags</th>
<th>Commercial Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rolls/box</td>
<td>-</td>
<td>10</td>
</tr>
<tr>
<td>Boxes/pallet</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>Box height</td>
<td>in (cm)</td>
<td>48.5 (123)</td>
</tr>
<tr>
<td>Box width</td>
<td>in (cm)</td>
<td>22.5 (57)</td>
</tr>
<tr>
<td>Box weight</td>
<td>lbs (kg)</td>
<td>101 (46)</td>
</tr>
</tbody>
</table>

### Miragrid® 2XT Geogrid

- COMPACTED SOIL
  - MAX SURCHARGE 150 PSF
- COMPACTED STONE
- WALL HEIGHT (H)
- COMPACTED FILL
- GROUND AT FRONT OF RETAINING WALL
- EMBEDMENT DEPTH
- LEVELING PAD (COMPACTED GRAVEL)
- DRAINAGE PIPE
- Miragrid® 2XT ROLL WIDTH (W)
  - W = 4FT (1.22M)

### Miragrid® 2XT Quantity Determination

\[ \# \text{ Layers} \times W \times \text{length of wall} = \# \text{ of rolls per 180 square foot} \]

Example:
- A SRV wall using 6" tall blocks is 6ft tall x 30ft long.
- Derived from table: H = 6ft, W = 4ft, & 6 layers.
- 6 layers x 4ft x 30ft = 4 rolls
- 180sq. ft per roll

TenCate Geosynthetics Americas assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate Geosynthetics Americas disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

Mirafi® is a registered trademark of Nicolon Corporation © 2015 Nicolon Corporation. All Rights Reserved.