Strongwell combines superior raw materials, composite design, and the pultrusion process to manufacture DURADEK® and DURAGRID® - the highest quality pultruded fiberglass grating available.

**Strongwell pultruded grating offers superior:**

- **IMPACT RESISTANCE** - High ultimate strength prevents impact damage
- **CORROSION RESISTANCE** - Resists most acids, caustics and salts
- **SAFETY** - Low electrical conductivity, non-skid surface

In addition, **DURADEK® / DURAGRID® are:**

- **VERSATILE**
- **EASILY FIELD FABRICATED**
- **FIRE RETARDANT** - Meets requirements of Class 1 rating of 25 or less per ASTM E-84 and the self-extinguishing requirement of ASTM D-635
- **LIGHTWEIGHT** - 1/3 the weight of steel

DURADEK® and DURAGRID® contain **UV INHIBITORS**.

For more Strongwell pultruded grating design information, visit [www.strongwell.com/designmanual](http://www.strongwell.com/designmanual) for the online Strongwell Design Manual.
<table>
<thead>
<tr>
<th></th>
<th>DURADEK® / DURAGRID® PULTRUDED GRATING</th>
<th>VS.  STEEL GRATING</th>
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</thead>
<tbody>
<tr>
<td><strong>STRENGTH COMPARISON</strong></td>
<td>DURADEK® I-6500 1-1/2&quot;, 1.71&quot; on center 48&quot; Span, Ultimate Load = 1784 PSF</td>
<td>3/16&quot; x 1-1/2&quot; Bar, 1-3/16&quot; o.c. 48&quot; Span, Ultimate Load = 1160 PSF</td>
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<td></td>
<td>DURADEK® has a higher ultimate load carrying capacity.</td>
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<tr>
<td><strong>WEIGHT COMPARISON</strong></td>
<td>DURADEK® I-6500, 1-1/2&quot; 2.7 PSF</td>
<td>3/16&quot; x 1-1/2&quot; Bar, 1-3/16&quot; o.c. 11.0 PSF</td>
</tr>
<tr>
<td><strong>IMPACT RESISTANCE</strong></td>
<td>Glass mat in Strongwell pultruded grating distributes impact load to prevent surface damage even under sub-zero temperatures. Will not permanently deform. Stays flat for the life of the product.</td>
<td>Will permanently deform under impact. Takes a permanent set (dishing) in trench applications due to overloading.</td>
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<tr>
<td><strong>CORROSION RESISTANCE</strong></td>
<td>Strongwell pultruded grating is resistant to corrosion caused by a broad range of acids, caustics and salts. Requires no painting or galvanizing.</td>
<td>Will rust even from water. Can cause galvanic corrosion. Requires painting or galvanizing for many applications.</td>
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<tr>
<td><strong>SAFETY</strong></td>
<td>Strongwell pultruded grating has a round silica grit bonded to the surface of bearing bars for non-skid safety. Low in electrical and thermal conductivity.</td>
<td>Non-serrated bars are not skid resistant or only skid resistant in one direction. Grounding potential around electrical equipment.</td>
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<tr>
<td><strong>VERSATILITY</strong></td>
<td>Strongwell pultruded grating can be purchased with bearing bars in a safety yellow or gray with the resin pigmented throughout the bar. No painting required. Custom colors are also available.</td>
<td>Grating must be painted for color. To maintain color and corrosion resistance, repainting may be required.</td>
</tr>
<tr>
<td><strong>EASY FIELD FABRICATION</strong></td>
<td>Strongwell pultruded grating can be field fabricated with simple carpenter tools, is easy to cut and is much easier to move and place because it is lightweight.</td>
<td>Requires special blades, torch, harder to cut. Requires lifting equipment to move and place.</td>
</tr>
<tr>
<td><strong>BANDING</strong></td>
<td>DURADEK® and DURAGRID® do not leave a sharp edge when cut. The bars will not bend or deform in the lateral direction; therefore, Strongwell pultruded grating does not need to be banded.</td>
<td>Cutting a rectangular steel bar leaves sharp edges. The flat bars will bend and deform in the lateral direction; therefore, steel grating should be banded.</td>
</tr>
</tbody>
</table>

**THE CHOICE!**

DURADEK® / DURAGRID® High Strength, Pultruded Fiberglass Grating!

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**Bristol Location**

400 Commonwealth Ave.

Bristol, VA 24201 USA

(276) 645-8000

**Chatfield Location**

1610 Highway 52 South

Chatfield, MN 55923-9799 USA

(507) 867-3479

*DURADEK® / DURAGRID® manufacturing location

www.strongwell.com

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