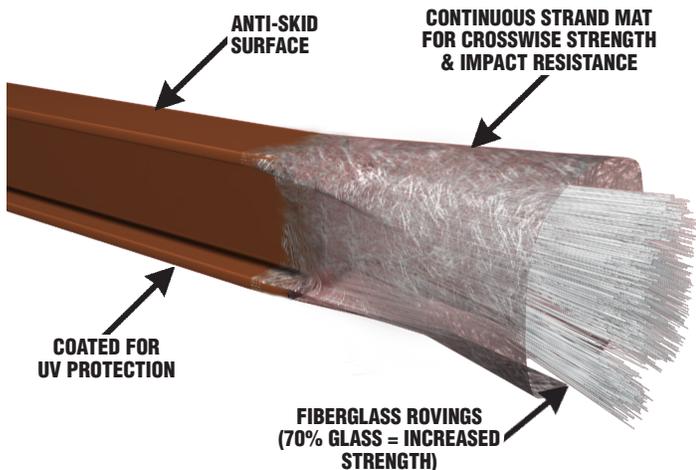


DURAGRID® Phenolic PULTRUDED GRATING

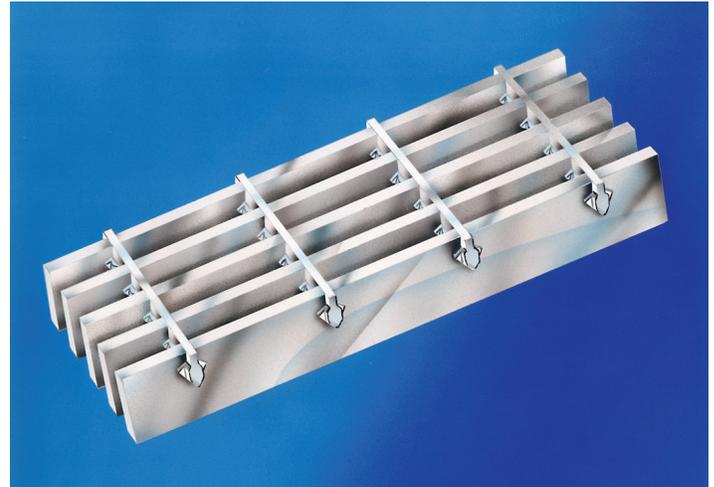


Strongwell combines superior raw materials, composite design, and the pultrusion process to manufacture DURAGRID® Phenolic Fire Integrity Grating - the highest quality pultruded fiberglass grating available.

DURAGRID® Phenolic Grating offers superior:

- **IMPACT RESISTANCE** - High ultimate strength prevents impact damage.
- **CORROSION RESISTANCE** - Highly resistant to sea water and salt water. Not susceptible to galvanic corrosion (between two alloys).
- **WEIGHT ADVANTAGES** - 20-25% lighter than aluminum.

ALUMINUM GRATING



- **CERTIFICATIONS** - DURAGRID® Phenolic Grating was the first composite grating to receive U.S. Coast Guard approval and now the first to achieve certification to ASTM F3059-24: the enhanced replacement for USCG PFM 2-98. DURAGRID® Phenolic is Structural Fire Integrity Level 2 (L2) and accepted for use in locations defined in ASTM F3059. DURAGRID® Phenolic Grating also holds ABS, DNV, LR, GL and BV certifications, as well as meeting IMO requirements of Resolution MSC.62(67).
- **SAFETY** - Low electrical conductivity, non-skid surface and less frequent maintenance/replacement needs vs. aluminum.
- **VERSATILITY** - DURAGRID® Phenolic Grating can be custom manufactured in numerous configurations.

*Is DURAGRID® Phenolic Fire Integrity Grating the best grating choice for your application?
Compare the features of DURAGRID® Phenolic Fire Integrity Grating and aluminum grating!*



**DURAGRID® PHENOLIC
PULTRUDED GRATING**



ALUMINUM GRATING

<p>WHAT GIVES IT STRENGTH?</p>	<p>DURAGRID® Phenolic I-6000, 1-1/2" (38mm) bars, 1-1/2" (38mm) on center 48" (1.2m) Span, Ultimate Load = 2,938 PSF (141 kN/m²) DURAGRID® Phenolic has a higher ultimate load carrying capacity and is 20-25% lighter than aluminum.</p>	<p>3/16" x 1-1/2" (4.8mm x 38mm) bars, 1-3/16" (30.2mm) on center 48" (1.2m) Span, Ultimate Load = 774 PSF (37 kN/m²)</p>
<p>WHAT MAKES IT IMPACT RESISTANT?</p>	<p>Glass mat in DURAGRID® Phenolic Grating distributes impact load to prevent surface damage, even in sub-zero temperatures. Will not permanently deform. Stays flat for the life of the product.</p>	<p>Will permanently deform under impact. Takes a permanent set (dishing) in trench applications due to overloading.</p>
<p>WHAT GIVES IT CORROSION RESISTANCE?</p>	<p>DURAGRID® Phenolic Grating, with its special phenolic resin formula, is highly resistant to sea water and salt water and is not susceptible to galvanic corrosion (between two alloys).</p>	<p>Corrosion resistant to only a narrow range of chemicals. Susceptible to galvanic corrosion (between two alloys).</p>
<p>WHAT ABOUT SAFETY (NON-SKID)?</p>	<p>DURAGRID® Phenolic Grating has angular #3 quartz grit bonded to the surface of bearing bars for an excellent non-skid surface. DURAGRID® Phenolic Grating possesses low electrical conductivity.</p>	<p>Flat bars are not skid resistant or only skid resistant in one direction. Grounding potential when installed near electrical equipment.</p>
<p>IS IT ASTM F3059 CERTIFIED?</p>	<p>DURAGRID® Phenolic meets the ASTM F3059-24 requirements for Structural Fire Integrity Level 2 (L2) as well as low flame spread, low smoke generation, and low toxicity.</p>	<p>ASTM F3059-24 Fire Testing requirements exceed aluminum's melting point of 1,218°F (659°C).</p>
<p>WHAT TOOLS ARE NEEDED TO FABRICATE IT?</p>	<p>DURAGRID® Phenolic Grating can be field fabricated with simple carpenter tools. It is easy to cut and is lighter than aluminum.</p>	<p>Requires special blades and is harder to cut.</p>
<p>IS BANDING REQUIRED?</p>	<p>DURAGRID® Phenolic Grating uses an I-bar that does not leave a sharp edge when cut. The bars will not bend or deform in the lateral direction; therefore, DURAGRID® Phenolic Grating does not need to be banded.</p>	<p>Cutting a rectangular aluminum bar leaves sharp edges. The flat bars will bend and deform easily in the lateral direction; therefore, aluminum should be banded.</p>



STRONGWELL

ISO-9001 Quality Certified Manufacturing Plants



BRISTOL LOCATION

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CHATFIELD LOCATION*

1610 Highway 52 South, Chatfield, MN 55923-9799 USA
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