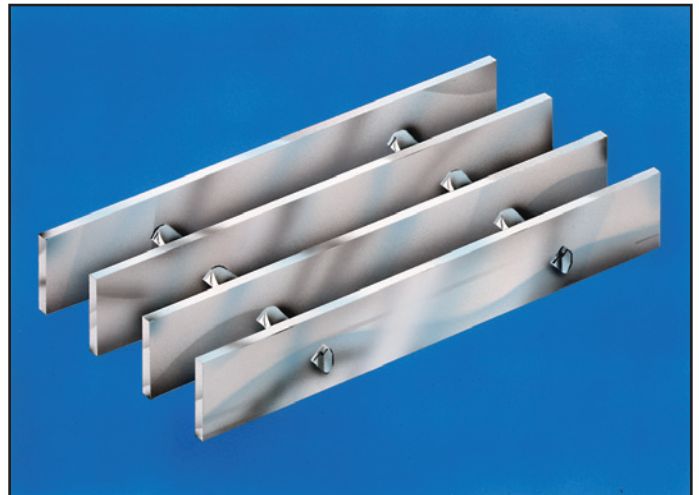
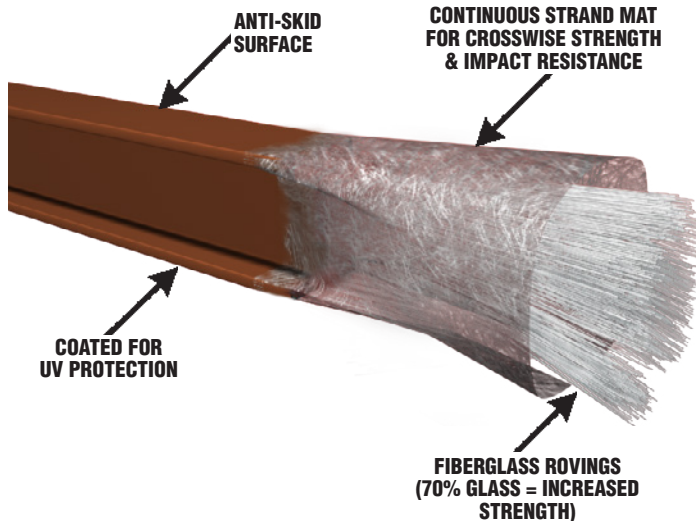
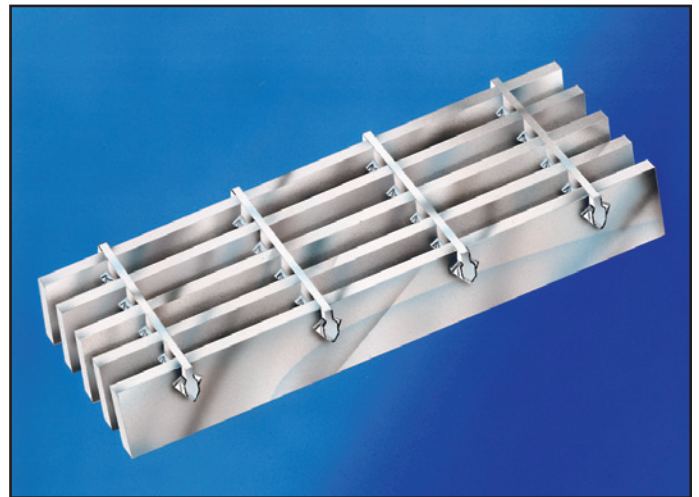


# COMPARE

## DURAGRID® PHENOLIC Pultruded Grating

vs.

## Aluminum 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, salt water and galvanic corrosion between two alloys.
- **WEIGHT ADVANTAGES** — 20-25% lighter than aluminum

• **CERTIFICATIONS** — DURAGRID® Phenolic Grating meets the US Coast Guard Policy File Memorandum 2-98 standards for Structural Fire Integrity Level 2 (L2) fire retardant grating due to its fire resistance, low smoke and low toxicity, and holds ABS, DNV, LR, GL and BV certifications.

• **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!*

**COMPARE! DURAGRID® PHENOLIC GRATING VS. ALUMINUM GRATING**

<b>STRENGTH</b>	<p>DURAGRID® Phenolic I-6000, 1½" (38mm) bars, 1½" (38mm) on center</p> <p>48" (1.2m) Span, Ultimate Load = 2,792 PSF (133 kN/m²)</p> <p>DURAGRID® Phenolic has a higher ultimate load carrying capacity and is 20-25% lighter than aluminum.</p>	<p>¾" x 1½" (4.8mm x 38mm) bars, 1¾" (30.2mm) on center</p> <p>48" (1.2m) Span, Ultimate Load = 774 PSF (37 kN/m²)</p>
<b>IMPACT RESISTANCE</b>	<p>Glass mat in DURAGRID® Phenolic Grating distributes impact load to prevent surface damage even in sub-zero temperatures. Will not permanently deform.</p> <p>Stays flat for the life of the product.</p>	<p>Will permanently deform under impact.</p> <p>Takes a permanent set (dishing) in trench applications due to overloading.</p>
<b>CORROSION RESISTANCE</b>	<p>DURAGRID® Phenolic Grating, with its special phenolic resin formula, is highly resistant to sea water, salt water and galvanic corrosion between two alloys.</p>	<p>Corrosion resistant to only a narrow range of chemicals. Can cause galvanic corrosion.</p>
<b>SAFETY</b>	<p>DURAGRID® Phenolic Grating has a round silica grit bonded to the surface of bearing bars for an excellent non-skid surface.</p> <p>Low electrical conductivity.</p>	<p>Flat bars are not skid resistant or only skid resistant in one direction.</p> <p>Grounding potential around electrical equipment.</p>
<b>US COAST GUARD APPROVAL</b>	<p>DURAGRID® Phenolic Grating meets the US Coast Guard Policy File Memorandum 2-98 standards for Structural Fire Integrity Level 2 (L2) fire retardant grating due to its fire resistance, low smoke and low toxicity.</p>	<p>US Coast Guard Level 2 Fire Testing requirements exceed aluminum's melting point of 1,218°F (659°C).</p>
<b>EASY FIELD FABRICATION</b>	<p>DURAGRID® Phenolic Grating can be field fabricated with simple carpenter tools, is easy to cut and is lighter than aluminum.</p>	<p>Requires special blades and is harder to cut.</p>
<b>BANDING</b>	<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>

**THE CHOICE! DURAGRID® Phenolic Fire Integrity Fiberglass Grating!**



**STRONGWELL**

ISO-9001 Quality Certified Manufacturing Plants



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**CHATFIELD LOCATION\***

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\*DURAGRID® manufacturing location

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