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.

**CERTIFICATIONS** - DURAGRID® Phenolic Grating is the first composite grating to receive U.S. Coast Guard approval for use in locations and applications as allowed in the ASTM F3059-15 Matrix guide for fiberglass grating meeting Structural Fire Integrity Level 2 (L2). The ASTM F3059-15 enhances and supersedes the USCG PFM 2-98 matrix. 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!
| WHAT GIVES IT STRENGTH? | 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. | 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) |
| WHAT MAKES IT IMPACT RESISTANT? | 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. | Will permanently deform under impact.  
Takes a permanent set (dishing) in trench applications due to overloading. |
| WHAT GIVES IT CORROSION RESISTANCE? | 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). | Corrosion resistant to only a narrow range of chemicals. Susceptible to galvanic corrosion (between two alloys). |
| WHAT ABOUT SAFETY (NON-SKID)? | 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. | Flat bars are not skid resistant or only skid resistant in one direction.  
Grounding potential when installed near electrical equipment. |
| IS IT U.S. COAST GUARD APPROVED? | DURAGRID® Phenolic Grating meets the ASTM F3059-15 requirements for Structural Fire Integrity Level 2 (L2) fire retardant grating due to its fire resistance, low smoke and low toxicity. | ASTM F3059-15 Fire Testing requirements exceed aluminum’s melting point of 1,218°F (659°C). |
| WHAT TOOLS ARE NEEDED TO FABRICATE IT? | DURAGRID® Phenolic Grating can be field fabricated with simple carpenter tools. It is easy to cut and is lighter than aluminum. | Requires special blades and is harder to cut. |
| IS BANDING REQUIRED? | 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. | 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. |