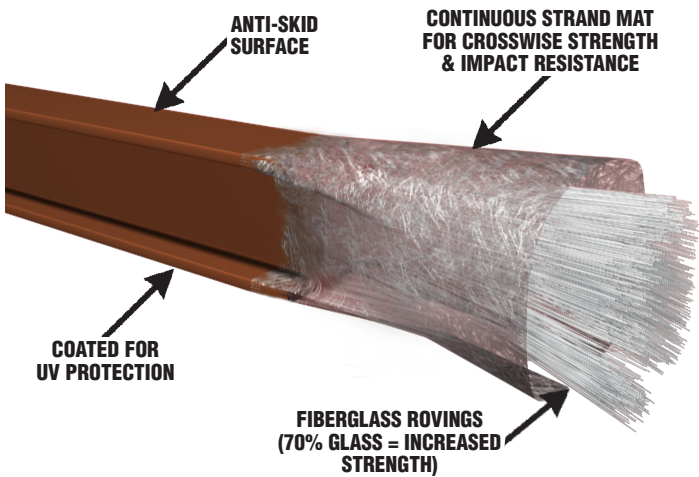


DURAGRID® Phenolic PULTRUDED GRATING

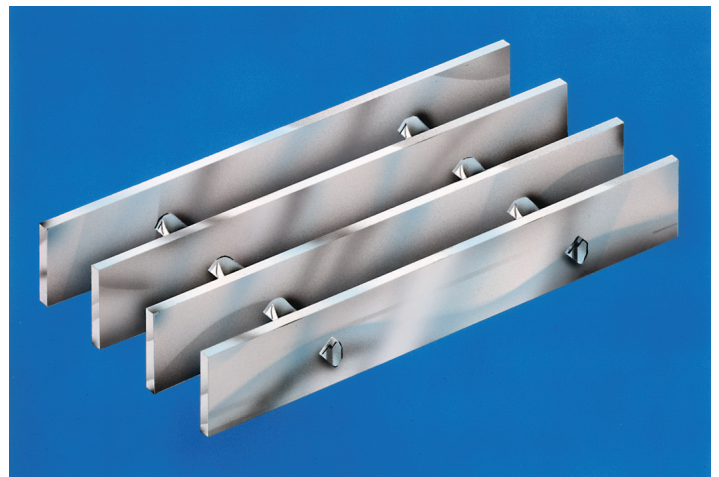
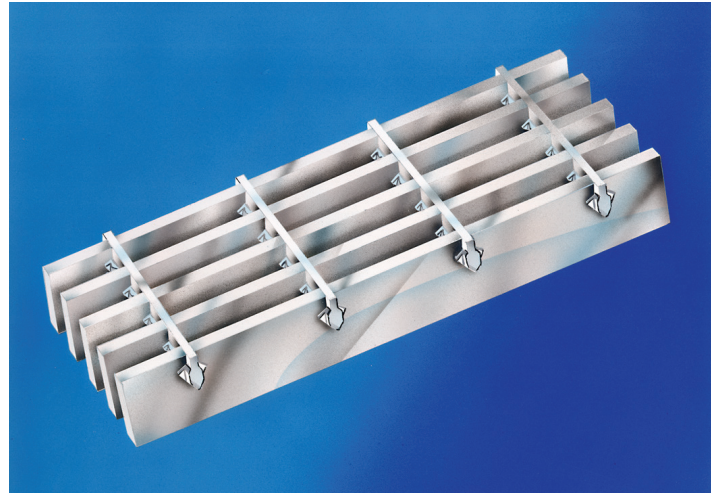


Strongwell combines superior raw materials, composite design, and the pultrusion process to manufacture DURAGRID® Phenolic Fire Integrity Grating - the highest quality pultruded fiberglass grating available.

DURAGRID® Phenolic Grating offers superior:

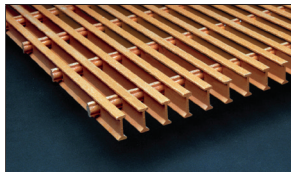
- **IMPACT RESISTANCE** - High ultimate strength prevents impact damage.
- **CORROSION RESISTANCE** - Highly resistant to sea water and salt water. Not susceptible to galvanic corrosion (between two alloys).
- **WEIGHT ADVANTAGES** - 20-25% lighter than aluminum.

ALUMINUM GRATING

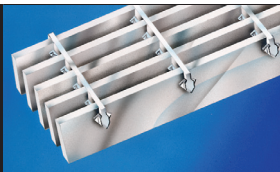


- **CERTIFICATIONS** - DURAGRID® Phenolic Grating is the first composite grating to receive U.S. Coast Guard approval for use in locations and applications as allowed in the ASTM F3059-15 Matrix guide for fiberglass grating meeting Structural Fire Integrity Level 2 (L2). The ASTM F3059-15 enhances and 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!



DURAGRID® PHENOLIC PULTRUDED GRATING



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.



STRONGWELL

ISO-9001 Quality Certified Manufacturing Plants



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*DURAGRID® manufacturing location

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