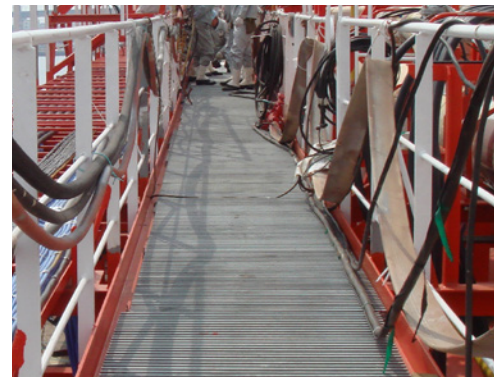
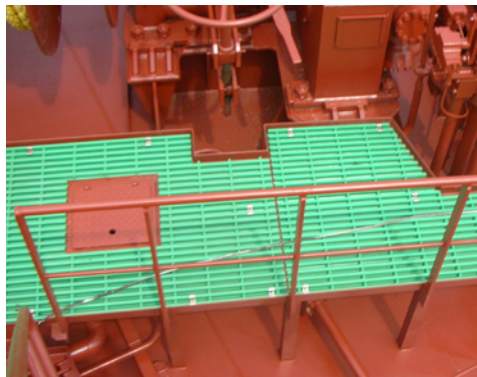


**Guardrail and Ladders • Stair Treads • Structural Shapes • Building Panels**

**Grating (Fire Integrity & Non) for:**

- LNG & LPG Manifold Areas, Flying Passages & Ballast Tanks
- Decks
- Life Boat Areas
- Cargo Hold Walkways
- Gangways - Safe Access to Bow
- Center Passage Walkways
- Oil Spill Tanks & Winch Stands
- Lashing Bridge
- Monkey Stage
- Wheel House Stage



Strongwell product approved by major Classification Societies as per ASTM F3059-24 and Class Rules & Regulations. DURAGRID® Phenolic Grating also meets the IMO guidelines for Safe Access to Tanker Bows (Resolution MSC.62(67) Paragraph 1.3-Gangway and access (MSC.1/Circ.1504 Annex, page 1)).



## WHY USE FIBERGLASS



**WON'T RUST, ROT OR CORRODE**



**EASY TO INSTALL**



**VIRTUALLY MAINTENANCE FREE**



**IMPACT RESISTANT**



**LIGHTWEIGHT**



**STRONG**



**TRANSPARENT TO CELLULAR EMISSIONS**



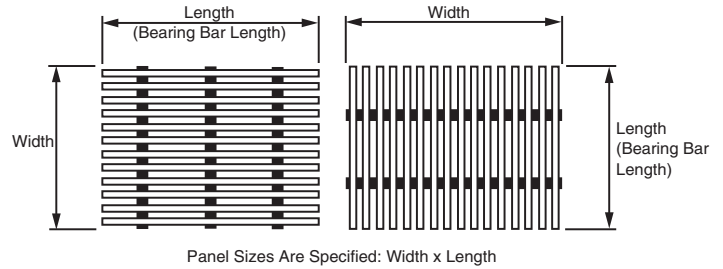
**LOW ELECTRICAL & THERMAL CONDUCTIVITY**

When you're tired of replacing rusty steel, call Strongwell to find out how fiberglass composites can provide cost-effective solutions for your ship construction or refurbishment projects!

# DURAGRID® Phenolic Grating

## Installation

DURAGRID® Phenolic installs the same way steel grating is installed. The bearing bar is the load carrying member which runs between supports. This is the panel length and is typically designated with a (BB) after the dimension to avoid confusion. DURAGRID® Phenolic does not require any banding after cutting. Loads are effectively transferred by a series of cross-rods spaced every 150mm (6") (sometimes referred to as "cross-rod pitch").



Installation is easy; the grating can be cut using simple hand tools such as a circular saw (diamond or masonry blades suggested) or a jig saw (carbide grit blades suggested). Panels are lightweight – single panels are typically moved by hand. You can "Fit it and Forget it."

## Regulatory Information

DURAGRID® Phenolic has numerous Class Approvals such as ABS, DNV, and LR. 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. For a current list of all approvals, please visit [www.strongwell.com/about/certifications/](http://www.strongwell.com/about/certifications/)

## DURAGRID® Phenolic I-6000 38mm (1-1/2")

### Performance

- 16.8 kN/m<sup>2</sup> (350 PSFU) uniform loading\* (Safety Factor + 10:1)
- 11.7 kN/m (800 PLF) concentrated loading\* (Safety Factor + 8:1)

\*ASTM F3059 qualified grating, based on a deflection of 6.4mm or 0.25" on a 1120mm (44") simple span

### Panel Sizes and Availability

- Panel Sizes: 1m x 4.5m, 1m x 6m, 3 ft x 20 ft, or 4 ft x 20 ft
- Weight: 16.8 kg/m<sup>2</sup> (3.4 lbs/SF)
- Available at the US Factory, as well as several locations worldwide.

## Ask us about our I-6000 45mm (1-3/4") grating ... for those areas requiring extra robustness!

- 28.0 kN/m<sup>2</sup> (585 PSFU) uniform loading\* (Safety Factor + 8:1)
- 19.6 kN/m (1340 PLF) concentrated loading\* (Safety Factor + 6:1)

\*ASTM F3059 qualified grating, based on a deflection of 6.4mm or 0.25" on a 1120mm (44") simple span

## How to Order DURAGRID® Phenolic Grating

1. Measure the areas that need grating and obtain a square meter (m<sup>2</sup>) or square foot (SF) estimate
2. Figure attaching hardware (Part #744 clip and 797 bolt set): 4 ea. per m<sup>2</sup>
3. Send your request for quote to:  
EMAIL: [jwalters@strongwell.com](mailto:jwalters@strongwell.com)



ISO 9001 Quality Certified Manufacturing Plants

**BRISTOL LOCATION**  
400 Commonwealth Ave.  
Bristol, VA 24201 USA  
(276)645-8000

 **MADE IN THE USA**  
[www.strongwell.com](http://www.strongwell.com)

**CHATFIELD LOCATION**  
1610 Highway 52 South  
Chatfield, MN 55923-9799 USA  
(507)867-3479