

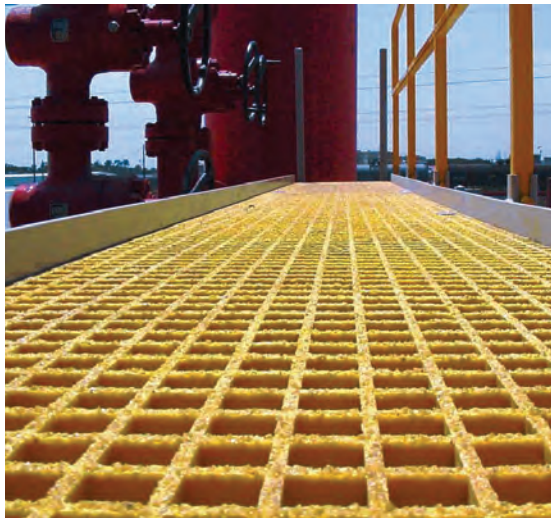
GRATING PRODUCTS

PROGrid® and PROGrate®



DESIGN — ENGINEER — FABRICATE — INSTALL
STRUCTURAL FIBERGLASS





APPLICATIONS

- Floor systems
- Walkways
- Work platforms
- Stairs
- Ramps
- Trench covers
- Catwalks

FEATURES

- Corrosion resistant
- Slip-resistant gritted top surface
- Strong yet lightweight
- Low coefficient of expansion and contraction

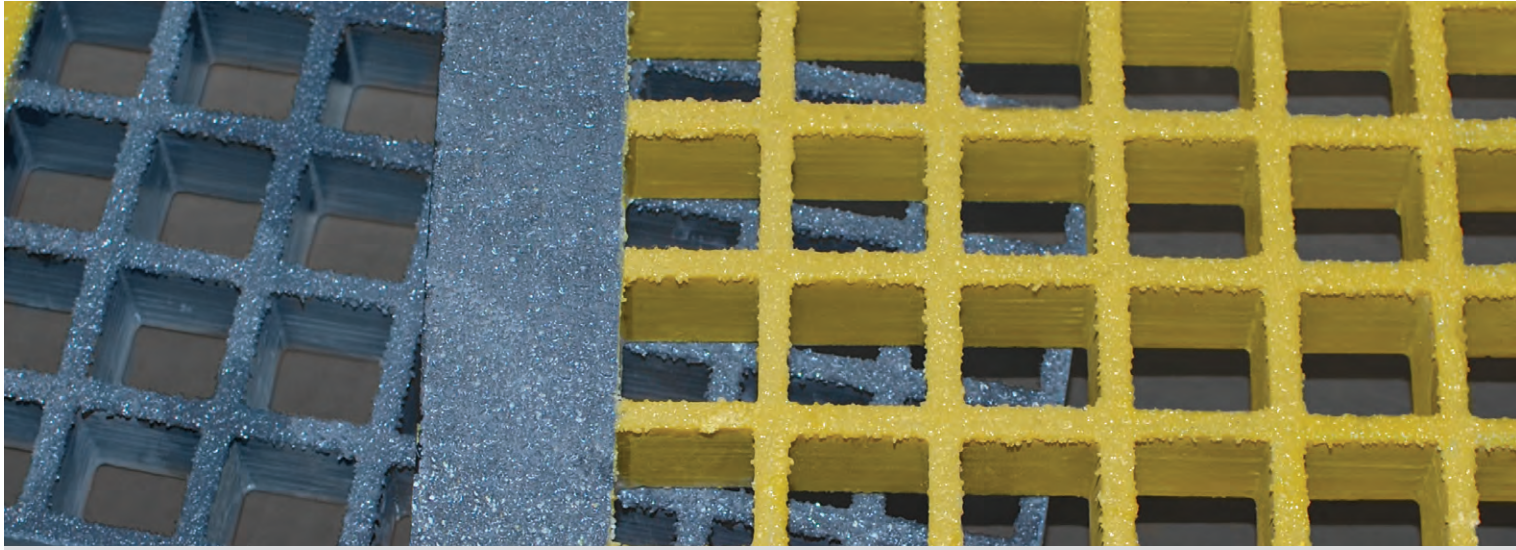
BENEFITS

- Reduced maintenance and replacement costs
- Enhanced workplace safety
- Reduced installation costs
- Dimensionally stable in many environments

STRONG, LIGHTWEIGHT AND CORROSION-RESISTANT

Want the strength of steel without the weight? Our fiberglass-reinforced polymer (FRP) grating products have the advantage. Our grating is corrosion-resistant, it's fire-retardant, and it has low conductivity. It's available with anti-slip coating for worker safety. And it's easy to install with standard tools.

Whether you simply need grating panels or a complete FRP system with handrails, stairs and platforms, we have the solution to match. In addition to our products, we offer in-house design, engineering and fabrication capabilities to meet your project needs.



PROGrid® Molded & PROGrate® Pultruded Stair Treads & Stair Tread Covers

Stair Treads

Our stair tread panels allow you to cut your own stair treads quickly and inexpensively for less waste and less cost. We stock PROGrid® molded stair treads in several sizes and configurations. Custom-fabricated sizes are available upon request.

We can also supply PROGrate® pultruded stair tread in stock sizes or made to order. These maintenance-free treads are engineered for strength, durability and corrosion resistance. Features include a non-skid surface and square tube nosing for high visibility. Our design is easy to fabricate and install on-site with basic tools.

Stair Tread Covers

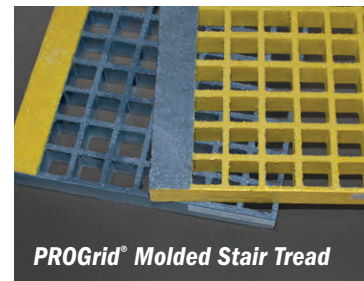
FRP stair tread covers are a cost-effective option to improve stairway safety for your workers. All of our stair treads are made with corrosion-resistant, fire-retardant resin and have an anti-skid top surface.

Grating Fasteners

All grating must be fastened in place. We offer a variety of clips to complete your installation (see page 20).

Chemical Compatibility

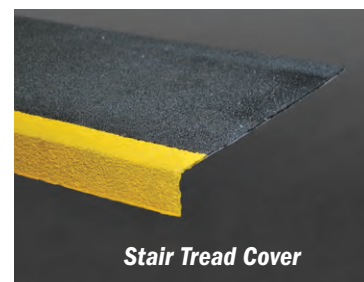
See page 51 for a detailed table of chemical compatibility based on resin manufacturers' data, including maximum allowable concentrations and temperatures.



PROGrid® Molded Stair Tread



PROGrate® Pultruded Stair Tread



Stair Tread Cover

PROGrid®/PROGrate® Stair Treads and Covers

Load and Deflection Data

PROGrid® Molded Grating Stair Treads

1½" x 1½" x 6"

1½" deep w/1½" x 6" mesh size			
Span (inches)	250 lb	500 lb	Max lb
18	0.04	0.07	7887
24	0.06	0.12	6084
30	0.12	0.25	4907
36	0.23	0.51	3302
42	0.25	0.56	3480

1½" x 1½" x 1½"

1½" deep w/1½" x 1½" mesh size			
Span (inches)	250 lb	500 lb	Max lb
18	0.03	0.06	9644
24	0.07	0.13	6848
30	0.09	0.18	5555
36	0.15	0.31	4666
42	0.23	0.48	4063

PROGrate® Pultruded Grating Stair Treads

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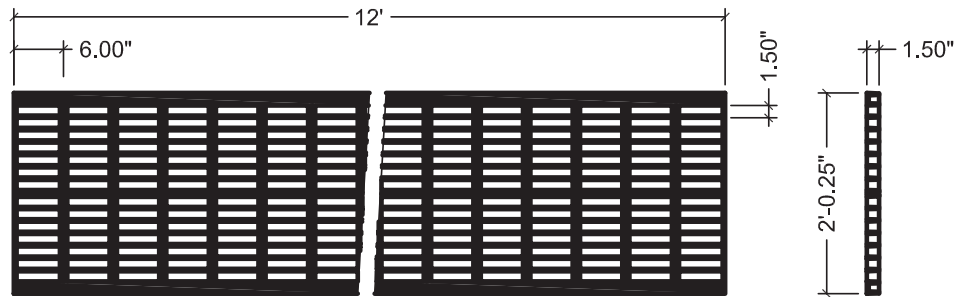
1½" deep I-beam w/60% open area			
Span (inches)	250 lb	500 lb	Max lb
18	0.02	0.03	12187
24	0.03	0.05	11424
30	0.04	0.07	10256
36	0.06	0.11	8157
42	0.08	0.16	7010

T 20-50

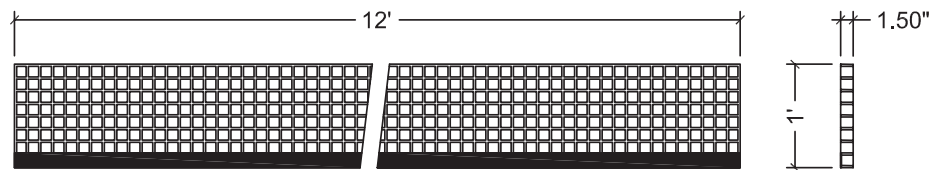
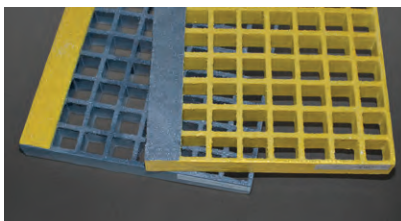
2" deep T-beam w/50% open area			
Span (inches)	250 lb	500 lb	Max lb
18	0.01	0.03	13230
24	0.03	0.05	11962
30	0.03	0.05	12490
36	0.04	0.07	11297
42	0.05	0.09	11412

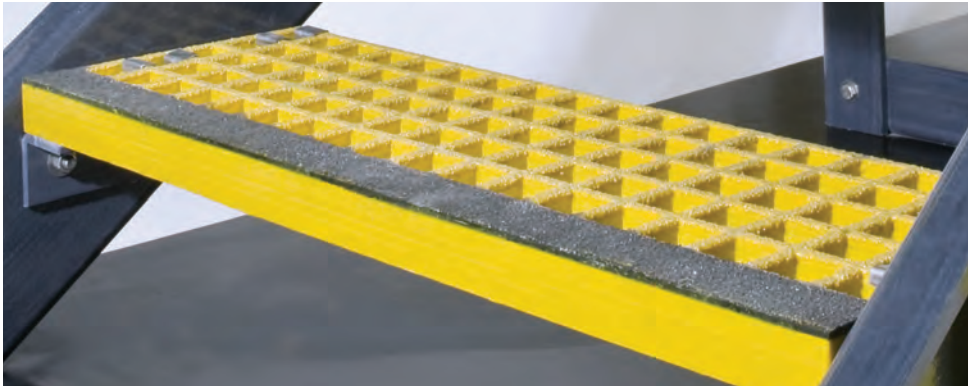
Deflection values are based on concentrated loads of 250 lb and 500 lb applied at the center of span. Span and deflection values are in inches. Max lb represents maximum experimental failure load.

1½" x 1½" x 6"
PROGrid® Molded Stair Tread
24" x 144" Panel, 65% Open

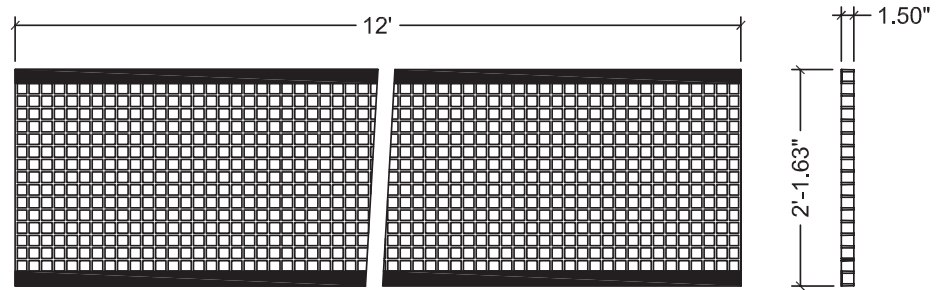
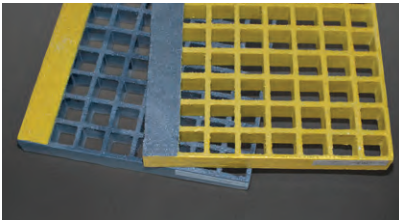


1½" x 1½" x 1½"
PROGrid® Molded Stair Tread
12" x 144" Panel, 68% Open

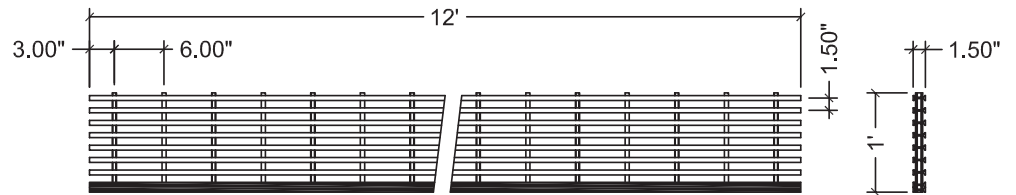
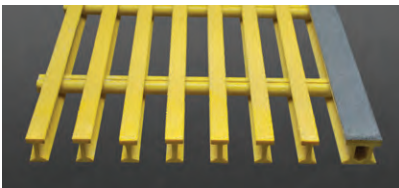




1½" x 1½" x 1½"
PROGrid® Molded Stair Tread
 25" x 144" Panel, 68% Open



I 15-60
I Bearing Bar
PROGrate® Pultruded Stair Tread
 12" x 144" Panel, 60% Open



T 20-50
T Bearing Bar
PROGrate® Pultruded Stair Tread
 12" x 144" Panel, 50% Open

