



**Corvex Molded**



**Safe-T-Span Industrial  
Pultruded Grating**



**Fiberglass  
Molded Grating**



**Fiberplate Molded  
Floor Plate**

## Fiberglass Information

### MOLDED GRATING

- No more than 1/4" deflection for recommended loads

Provide reliable corrosion-, impact-, and slip-resistant surfaces.

**Corvex**—Premium polyester grating.

**FGI-AM Antimicrobial Premium Polyester**—Food-grade formulation inhibits bacteria, fungus, and mildew growth. USDA accepted.

**Micro-Mesh Corvex**—Lightweight sheets for use where underfloor access and unobstructed airflow is required.

**Vi-Corr High Load Capacity**—Engineered to carry forklift loads.

### PULTRUDED GRATING

**Safe-T-Span Pedestrian and Industrial**—Manufactured from a fire-retardant isophthalic polyester resin system (ISOFR).

### MOLTRUDED GRATING

Combines corrosion resistance of molded grating with longer span capacity of pultruded grating.

**Rigidex**—Large openings allow greater airflow for walkways and platforms.

**Aqua Grate**—Withstands corrosion and helps provide safety and comfort for walking with bare feet in high-traffic, public recreational areas. Meets ADA guidelines.

### FIBERPLATE

Solid composite panels offer bidirectional strength.

### DEFINITIONS

**Ultimate Capacity**—Represents the weight which, if exceeded, will result in a complete and total failure of the grating.

**ISOFR**—Isophthalic Polyester Fire Retardant Resin formulation has a flame spread rating of 25 or less. Designed for applications where moderate exposure to corrosive elements exists.

**VEFR**—Vinyl Ester Fire Retardant Resin. For severe exposure to corrosive elements.

**Applied Grit Top**—Quartz grit applied to surface for slip-resistant footing.

**Meniscus Top**—Concave surface provides highly slip-resistant footing in most environments, including in wet or oily conditions.

Brand	Resin	Mesh	Corrosion Resist.	Strength/ Stiffness (Longest Span)	Impact Resistance	Open Area	Single-Direction Span	Bi-Direction Span	Ease of Layout and Installation	Surface	Color	Max. Temp. (°F)
<b>Molded Grating</b>												
Corvex	Polyester	Rect.	Excellent	Good	Good	Excellent	Good	Poor	Fair	Grit Top	Multiple	140
Corvex Covered	Polyester	—	Excellent	Good	Excellent	Excellent	Fair	Excellent	Excellent	Grit Top	Dark Grey	140
FGI-AM	Antimicrobial	Rect.	Excellent	Good	Good	Excellent	Good	Poor	Fair	Grit Top	Light Grey	140
Micro-Mesh Corvex	Polyester	Square	Excellent	Good	Excellent	Excellent	Fair	Excellent	Excellent	Meniscus Top	Dark Grey	140
Vi-Corr High Load Capacity	VEFR	Rect.	Excellent	Good	Good	Excellent	Good	Poor	Fair	Smooth Top	Dark Grey	180
<b>Pultruded Grating</b>												
Safe-T-Span Pedestrian	ISOFR	—	Good	Excellent	Fair	Fair	Excellent	Poor	Fair	Grit Top	Dark Grey	140
Safe-T-Span Industrial	ISOFR	—	Good	Excellent	Fair	Fair	Excellent	Poor	Fair	Grit Top	Yellow	140
<b>Pultruded Stair Tread</b>												
Safe-T-Span	ISOFR	—	Good	Excellent	Fair	Fair	Excellent	—	Fair	Grit Top	Yellow with Black Nosing	140
<b>Moltruded Grating</b>												
Rigidex I	Polyester	Rect.	Excellent	Good	Poor	Excellent	Excellent	Poor	Fair	Grit Top	Light Grey	140
<b>Fiberplate Plate</b>												
Corvex	Polyester	—	Excellent	Good	Good	—	Good	Excellent	Fair	Grit Top	Dark Grey	140
Vi-Corr	VEFR	—	Excellent	Good	Good	—	Good	Excellent	Fair	Grit Top	Dark Grey	180



**4ATE4**

- Grit top
- Dark gray
- Width and length tolerances:  $\pm 0.125"$

Install over slick metallic or concrete surfaces to improve slip resistance. Lightweight, corrosion-resistant, and easy to fabricate. 1/8" and 1/4" plates are designed for covering only, not recommended for load bearing service.

		12 in x 12 in	12 in x 24 in	24 in x 24 in	48 in x 48 in	48 in x 96 in
Thickness	Thickness Tolerance*	Item No.	Item No.	Item No.	Item No.	Item No.
<b>Corvex Plates</b>						
1/8 in	+0.0938 in / -0.032 in	4ATE2	—	4ATE6	4ATF1	4ATF5
1/4 in	+0.125/-0.063 in	4ATE3	—	4ATE7	4ATF2	4ATF6
3/8 in	+0.125/-0.063 in	4ATE4	—	4ATE8	4ATF3	4ATF7
1/2 in	+0.125/-0.063 in	4ATE5	—	4ATE9	4ATF4	4ATF8
<b>Vi-Corr Plates</b>						
1/8 in	+0.0938 in / -0.032 in	4ATF9	4ATG4	4ATG8	4ATH3	—
1/4 in	+0.125/-0.063 in	4ATG1	4ATG5	4ATG9	4ATH4	—
3/8 in	+0.125/-0.063 in	4ATG2	4ATG6	4ATH1	4ATH5	—
1/2 in	+0.125/-0.063 in	4ATG3	4ATG7	4ATH2	4ATH6	—
<b>Max. Load (psf)</b>						
Thickness (in.)	Span (in.)	Normal*	Firm†	25	50	75
3/8	36	28	17	0.258	—	—
1/2	49	30	0.153	0.297	0.441	—
<b>Concentrated Load Required to Produce Deflection Equal to 1% of Span</b>						
192 lbs.						
318 lbs.						

\* Normal load is the load that will produce a maximum deflection of 0.375" or L/D of 125".

† Firm is the load which will produce a maximum deflection of 0.25" or L/D of 200".