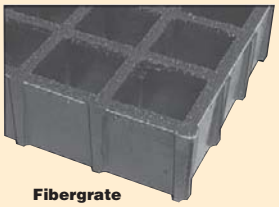
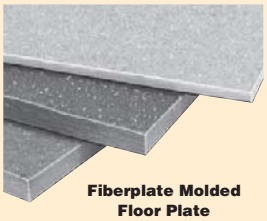
Fibertred Corvex Molded

Safe-T-Span Industrial Pultruded Grating



Fibergrate Molded Grating



Fiberplate Molded Floor Plate

Fiberglass Information

MOLDED GRATING

- No more than ¼" 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)
Molded Grating												
Corvex®	Polyester	Rect.	Excellent	Good	Good	Excellent	Good	Poor	Fair	Grit Top	Multiple	140
		Square	Excellent	Good	Excellent	Excellent	Fair	Excellent	Excellent			
Corvex® Covered	Polyester	—	Excellent	Good	Excellent	Excellent	Fair	Excellent	Excellent	Grit Top	Dark Grey	140
FGI-AM®	Antimicrobial Polyester	Rect.	Excellent	Good	Good	Excellent	Good	Poor	Fair	Grit Top	Light Grey	140
		Square	Excellent	Good	Excellent	Excellent	Fair	Excellent	Excellent			
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
Pultruded Grating												
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
Pultruded Stair Tread												
Safe-T-Span®	ISOFR	—	Good	Excellent	Fair	Fair	Excellent	—	Fair	Grit Top	Yellow with Black Nosing	140
Moltruded® Grating												
Rigidex® I	Polyester	Rect.	Excellent	Good	Poor	Excellent	Excellent	Poor	Fair	Grit Top	Light Grey	140
Fiberplate® Plate												
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

Fiberplate (FRP) Molded Floor Plates

- Grit top
- Dark gray
- Width and length tolerances: ±0.125"

Install over slick metallic or concrete surfaces to improve slip resistance. Lightweight, corrosion-resistant, and easy to fabricate. ⅛" and ¼" plates are designed for covering only, not recommended for load bearing service.

Thickness	Thickness Tolerance*	12 in x 12 in Item No.	12 in x 24 in Item No.	24 in x 24 in Item No.	48 in x 48 in Item No.	48 in x 96 in Item No.
Corvex Plates						
⅛ in	+0.0938 in /-0.032 in	4ATE2	—	4ATE6	4ATF1	4ATF5
¼ in	+0.125/-0.063 in	4ATE3	—	4ATE7	4ATF2	4ATF6
⅜ in	+0.125/-0.063 in	4ATE4	—	4ATE8	4ATF3	4ATF7
½ in	+0.125/-0.063 in	4ATE5	—	4ATE9	4ATF4	4ATF8
Vi-Corr Plates						
⅛ in	+0.0938 in /-0.032 in	4ATF9	4ATG4	4ATG8	4ATH3	—
¼ in	+0.125/-0.063 in	4ATG1	4ATG5	4ATG9	4ATH4	—
⅜ in	+0.125/-0.063 in	4ATG2	4ATG6	4ATH1	4ATH5	—
½ in	+0.125/-0.063 in	4ATG3	4ATG7	4ATH2	4ATH6	—

Thickness (in.)	Span (in.)	Max. Load (psf) Normal*	Firm†	Load (psf) 25	50	75	Concentrated Load Required to Produce Deflection Equal to 1% of Span
⅜"	36	28	17	0.258	—	—	192 lbs.
½"		49	30	0.153	0.297	0.441	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".