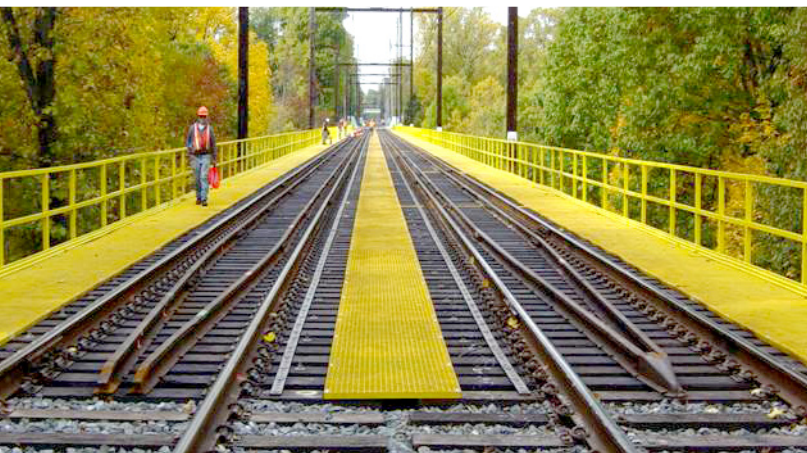
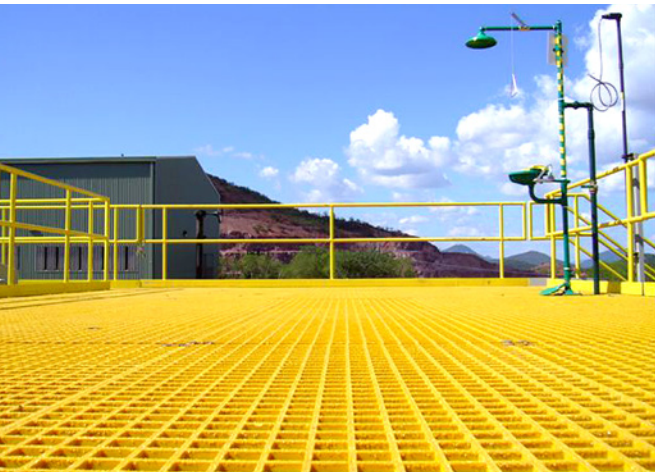
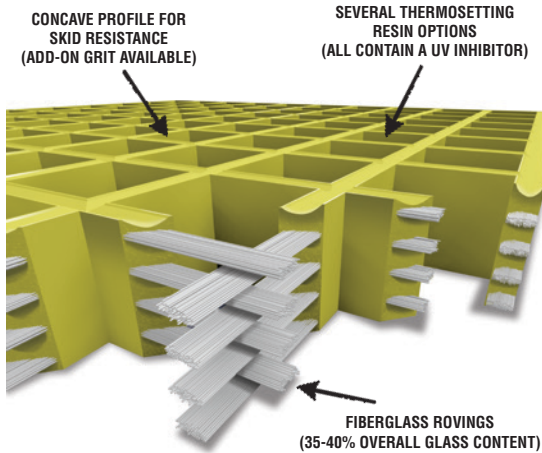
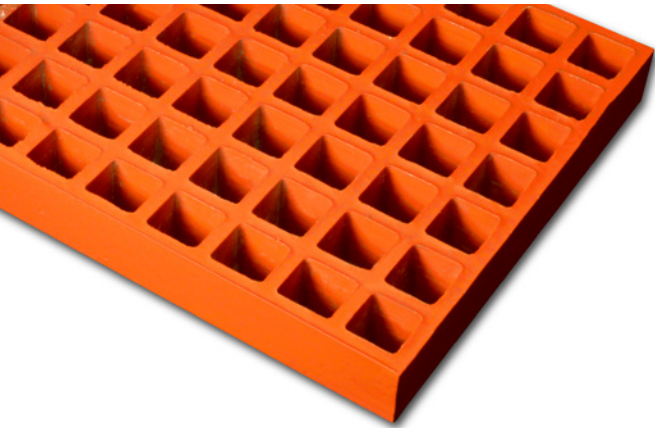


DURAGRATE[®]
MOLDED FIBERGLASS GRATING



MOLDED FIBERGLASS GRATING



Corrosion resistant DURAGRATE® installed around the solvent extraction electrowinning (SXEW) process of a copper refinery in Piedras Verdes, Mexico.

What is DURAGRATE®?

DURAGRATE® molded fiberglass grating is a premium-quality mesh grating panel made exclusively in the U.S.A. While molded grating is a chemical resistant flooring choice for many industrial applications, DURAGRATE® offers performance and quality superior to imported suppliers.

DURAGRATE® panels are molded in one piece and feature a concave non-slip walking surface. The panels allow for efficient on-site cutting to minimize grating waste. Load bearing bars in both directions allow for use without continuous side support.

DURAGRATE® molded fiberglass grating weighs significantly less than metal gratings while a high resin content provides excellent corrosion resistance which requires very little maintenance. A high glass content offers greater stiffness and strength resulting in a higher safety factor.

Materials of Construction

DURAGRATE® molded fiberglass grating is composed of fiberglass rovings combined with a thermosetting resin. Standard resins are Isophthalic Polyester and Vinyl Ester. Special resins for additional fire retardancy, lower smoke, and high temperature are also available upon special request. All of the resins contain a UV inhibitor.

Standard DURAGRATE® grating has a concave profile on the upper surface for skid resistance. Grit tops are available upon request.

Resin Systems Available*

	Resin Code	Description	Resin Base	Corrosion Resistance	Flame Spread Index**	Smoke-Developed Index**
Standard	VE	Chemical Proof Fire Retardant	Vinyl Ester	Excellent	Class A, 25 or less	Class A, 450 or less
	ISO	Industrial Grade Fire Retardant	Isophthalic	Very Good	Class A, 25 or less	Class A, 450 or less
	FF	Food Grade Fire Retardant	Isophthalic	Very Good	Class A, 25 or less	Class A, 450 or less

*Strongwell's standard colors are dark gray, green, yellow, orange, red, and light gray. Custom colors are available upon request.

** Per ASTM E-84 Tunnel Test. DURAGRATE® panels are tested with the flame impinging the top side of the panel and separately with the flame impinging the bottom side of the panel. This ensures Class A performance is met in both configurations.

DURAGRATE® molded fiberglass grating is:

- Corrosion Resistant
- Easy To Fabricate
- Fire Retardant
- Impact Resistant
- Low in Maintenance
- Low in Conductivity
- Lightweight
- Bidirectional Load Bearing
- Easy To Install
- Cost Effective
- Uniform in Appearance
- The Only Molded Grating Made Exclusively in the U.S.A.

CERTIFICATIONS



Fiberglass Grating Manufacturers Council (FGMC)

All DURAGRATE® molded fiberglass grating is manufactured in accordance with FGMC standards. All DURAGRATE® panels are tested and meet or exceed the mechanical properties of FGMC protocols.



NSF

DURAGRATE® can be manufactured to meet NSF 61 certification for hot and cold upon request (VE resin system only).






American Bureau of Shipping


Approved for use on a variety of ABS Class ships.

TECHNICAL DATA

Shapes, Sizes, and Availability

Standard DURAGRATE® Panels							
THICKNESS	MESH PATTERN	PANEL SIZE	A (PER FT. OF WIDTH)	I (PER FT. OF WIDTH)	S (PER FT. OF WIDTH)	OPEN AREA	APPROX. WEIGHT
1"	2" Square	4' x 12'	1.44 in. ²	0.12 in. ⁴	0.24 in. ³	72%	2.4 lbs/ft. ²
1"	1-1/2" Square	3' x 10' 4' x 12'	1.71 in. ²	0.14 in. ⁴	0.29 in. ³	70%	2.6 lbs/ft. ²
1"	1" x 4" Rectangular	3' x 10' 4' x 12'	2.57 in. ²	0.22 in. ⁴	0.43 in. ³	69%	2.8 lbs/ft. ²
1"	3/4" x 4" Rectangular 	4' x 12'	3.84 in. ²	0.32 in. ⁴	0.64 in. ³	63%	2.9 lbs/ft. ²
1-1/2"	1-1/2" Square	3' x 10' 4' x 12' 5' x 10' 5' x 12'	2.85 in. ²	0.51 in. ⁴	0.65 in. ³	70%	3.8 lbs/ft. ²
1-1/2" Mini Mesh	3/4" x 3/4" on Center (Top), 1-1/2" x 1-1/2" on Center (Bottom) 	4' x 12'	3.77 in. ²	0.71 in. ⁴	0.79 in. ³	44%	4.5 lbs/ft. ²
1-1/2"	1" x 2" Rectangular HD	4' x 6'	6.48 in. ²	1.22 in. ⁴	1.62 in. ³	51%	6.0 lbs/ft. ²
2"	2" Square	4' x 12'	2.88 in. ²	0.96 in. ⁴	0.94 in. ³	72%	4.0 lbs/ft. ²

: Panels meet all ADA requirements for both mesh size (1/2" open space) and slip resistance.

: Optionally available with a fine, slip-resistant, barefoot safe grit, suitable for residential or commercial pedestrian foot traffic.

NOTE: Custom panel sizes and resins are available upon request. Descriptions of available resin systems are located on the previous page.

How to Specify

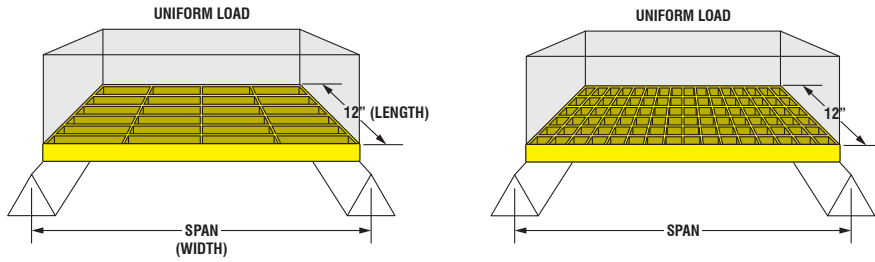
The molded fiberglass grating shall be DURAGRATE® as supplied by Strongwell. Grating panels shall be manufactured in the U.S.A. according to the standards set by the Fiberglass Grating Manufacturers Council (FGMC). Grating panels shall be (pick one from chart for thickness, mesh pattern, resin code) molded grid pattern. The grating shall be one-piece construction with the tops of the bearing bars and cross bars in the same plane. Surface shall be concave top or gritted.



DURAGRATE® was chosen for this all-FRP bascule bridge because it could be outfitted with a grit system surface proving maximum traction while still remaining a non-marking walking surface, even in wet conditions. This 38' long, 10' wide Cayman Islands bridge is capable of supporting up to 5,000 lbs.

LOAD TABLES FOR STANDARD RESIN SYSTEMS

Molded Grating - Uniform Load (Deflection in Inches)



LOAD in LB / SQUARE FOOT (PSF)

SPAN INCHES	STYLE		60	100	150	200	250	500	1000	2000	MAXIMUM RECOMMENDED LOAD (PSF)	APPARENT EI (10 ⁶ LB-IN ²) / FT OF WIDTH	
	DEPTH	MESH											
12	1"	2" x 2"	0.01	0.01	0.02	0.02	0.03	0.06	0.11		1240	0.2	
	1"	1-1/2" x 1-1/2"	<0.01	0.01	0.01	0.02	0.02	0.04	0.08		1800	0.3	
	1"	1" x 4"	<0.01	0.01	0.01	0.02	0.02	0.04	0.08		1960	0.3	
	1"	3/4" x 4"	<0.01	0.01	0.01	0.01	0.01	0.03	0.06		2660	0.4	
	1-1/2"	1-1/2" x 1-1/2"	<0.01	<0.01	<0.01	0.01	0.01	0.02	0.03	0.06		3720	0.7
	1-1/2"	3/4" x 3/4"	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.03	0.06		3720	0.8
	2"	2" x 2"	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.02	0.05		4280	1.0
18	1"	2" x 2"	0.03	0.06	0.09	0.11	0.14				527	0.2	
	1"	1-1/2" x 1-1/2"	0.02	0.04	0.06	0.08	0.09				760	0.3	
	1"	1" x 4"	0.02	0.03	0.04	0.06	0.07	0.14			949	0.4	
	1"	3/4" x 4"	0.02	0.03	0.04	0.06	0.07	0.14	0.28		1067	0.4	
	1-1/2"	1-1/2" x 1-1/2"	0.01	0.01	0.02	0.02	0.03	0.06	0.11		1900	1.0	
	1-1/2"	3/4" x 3/4"	0.01	0.01	0.02	0.02	0.03	0.05	0.10		1900	1.1	
	2"	2" x 2"	<0.01	0.01	0.01	0.02	0.02	0.04	0.08	0.16		2400	1.4
24	1"	2" x 2"	0.11	0.18	0.27	0.36	0.45				265	0.2	
	1"	1-1/2" x 1-1/2"	0.07	0.12	0.18	0.24	0.30				410	0.3	
	1"	1" x 4"	0.05	0.09	0.14	0.18	0.23				534	0.4	
	1"	3/4" x 4"	0.04	0.07	0.11	0.14	0.18	0.36			600	0.5	
	1-1/2"	1-1/2" x 1-1/2"	0.02	0.03	0.05	0.07	0.08	0.16			1190	1.1	
	1-1/2"	3/4" x 3/4"	0.02	0.03	0.05	0.06	0.08	0.15			1190	1.2	
	2"	2" x 2"	0.01	0.02	0.03	0.05	0.06	0.11	0.23		1450	1.6	
30	1"	2" x 2"	0.26	0.44							160	0.2	
	1"	1-1/2" x 1-1/2"	0.18	0.29							256	0.3	
	1"	1" x 4"	0.13	0.22							336	0.4	
	1"	3/4" x 4"	0.11	0.18	0.26	0.35	0.44				388	0.5	
	1-1/2"	1-1/2" x 1-1/2"	0.05	0.08	0.12	0.16	0.20				760	1.1	
	1-1/2"	3/4" x 3/4"	0.04	0.07	0.11	0.15	0.18				760	1.2	
	2"	2" x 2"	0.03	0.05	0.08	0.10	0.13	0.26			904	1.7	
36	1"	2" x 2"	0.55	0.91							93	0.2	
	1"	1-1/2" x 1-1/2"	0.36	0.61							180	0.3	
	1"	1" x 4"	0.27	0.46							237	0.4	
	1"	3/4" x 4"	0.22	0.36	0.55						247	0.5	
	1-1/2"	1-1/2" x 1-1/2"	0.09	0.15	0.23						493	1.2	
	1-1/2"	3/4" x 3/4"	0.08	0.14	0.21						493	1.3	
	2"	2" x 2"	0.06	0.10	0.14	0.19					607	1.9	

Note: 1" thick by 1" x 4" rectangular mesh grating panels are only available with a grit surface.

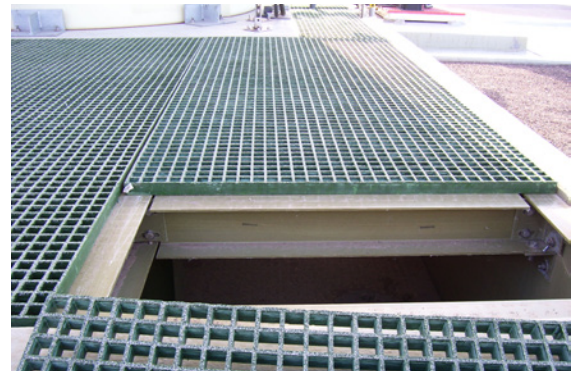
Note: 1-1/2" thick by 1"x2" rectangular mesh deflection data is not included here, contact Strongwell for more information.

LOAD in LB / SQUARE FOOT (PSF)

SPAN INCHES	STYLE		60	100	150	200	250	500	1000	2000	MAXIMUM RECOMMENDED LOAD (PSF)	APPARENT EI (10 ⁶ LB-IN ²) / FT of WIDTH
	DEPTH	MESH										
42	1-1/2"	1-1/2" x 1-1/2"	0.18	0.31							337	1.1
	1-1/2"	3/4" x 3/4"	0.17	0.28							337	1.2
	2"	2" x 2"	0.10	0.17	0.25	0.34					446	2.0
48	1-1/2"	1-1/2" x 1-1/2"	0.35								220	1.0
	1-1/2"	3/4" x 3/4"	0.29								220	1.2
	2"	2" x 2"	0.17	0.29	0.43						340	2.0
54	1-1/2"	1-1/2" x 1-1/2"	0.55								157	1.0
	1-1/2"	3/4" x 3/4"	0.46								157	1.2
	2"	2" x 2"	0.28	0.46							267	2.0
60	2"	2" x 2"	0.42								212	2.0

Note: 1" thick by 1" x 4" rectangular mesh grating panels are only available with a grit surface.

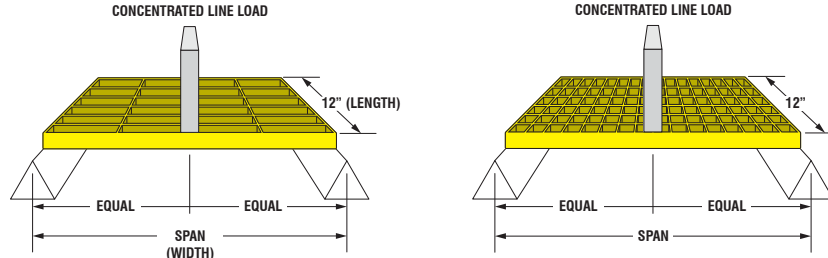
Note: 1-1/2" thick by 1"x2" rectangular mesh deflection data is not included here, contact Strongwell for more information.



1-1/2" DURAGRATE® was chosen along with EXTREN® wide flange beams as the support structure for a walking surface around equipment at a lift station that houses a wet scrubber for foul air treatment. DURAGRATE® has a high resin content (65%) which provides extended maintenance-free performance.

LOAD TABLES FOR STANDARD RESIN SYSTEMS

Molded Grating - Concentrated Line Load (Deflection in Inches)



LOAD in LB / FOOT of WIDTH

SPAN INCHES	STYLE		50	100	150	200	250	500	1000	2000	MAXIMUM RECOMMENDED LOAD (LB/FT)	APPARENT EI (10 ⁶ LB-IN ²) / FT of WIDTH
	DEPTH	MESH										
12	1"	2" x 2"	0.02	0.03	0.05	0.06	0.07	0.12			620	0.2
	1"	1-1/2" x 1-1/2"	0.01	0.01	0.02	0.03	0.04	0.07			900	0.3
	1"	1" x 4"	<0.01	0.01	0.02	0.02	0.03	0.06	0.12		980	0.3
	1"	3/4" x 4"	0.01	0.02	0.03	0.04	0.04	0.07	0.11		1330	0.4
	1-1/2"	1-1/2" x 1-1/2"	<0.01	<0.01	<0.01	0.01	0.01	0.02	0.05	0.1	1860	0.7
	1-1/2"	3/4" x 3/4"	<0.01	<0.01	<0.01	0.01	0.01	0.02	0.05	0.09	1860	0.8
	2"	2" x 2"	<0.01	<0.01	<0.01	0.01	0.01	0.02	0.04	0.07	2140	1.0
18	1"	2" x 2"	0.04	0.07	0.10	0.14	0.17				395	0.2
	1"	1-1/2" x 1-1/2"	0.02	0.04	0.07	0.09	0.11				570	0.3
	1"	1" x 4"	0.02	0.03	0.05	0.06	0.08	0.16			712	0.4
	1"	3/4" x 4"	0.02	0.04	0.05	0.07	0.08	0.13	0.28		800	0.4
	1-1/2"	1-1/2" x 1-1/2"	<0.01	0.01	0.01	0.02	0.03	0.06	0.12		1425	1.0
	1-1/2"	3/4" x 3/4"	<0.01	0.01	0.01	0.02	0.03	0.06	0.11		1425	1.1
	2"	2" x 2"	<0.01	0.01	0.01	0.02	0.02	0.04	0.09	0.17	1800	1.4
24	1"	2" x 2"	0.09	0.17	0.25	0.33	0.41				265	0.2
	1"	1-1/2" x 1-1/2"	0.05	0.10	0.15	0.20	0.24				410	0.3
	1"	1" x 4"	0.04	0.07	0.11	0.15	0.19				534	0.4
	1"	3/4" x 4"	0.04	0.07	0.09	0.12	0.15	0.29			600	0.5
	1-1/2"	1-1/2" x 1-1/2"	0.01	0.02	0.04	0.05	0.06	0.13			1190	1.1
	1-1/2"	3/4" x 3/4"	0.01	0.02	0.04	0.05	0.06	0.12			1190	1.2
	2"	2" x 2"	<0.01	0.01	0.02	0.03	0.04	0.09	0.18		1450	1.6
30	1"	2" x 2"	0.15	0.3	0.44						200	0.2
	1"	1-1/2" x 1-1/2"	0.09	0.19	0.28						320	0.3
	1"	1" x 4"	0.07	0.14	0.21	0.28					420	0.4
	1"	3/4" x 4"	0.06	0.11	0.17	0.23	0.28	0.56			485	0.5
	1-1/2"	1-1/2" x 1-1/2"	0.02	0.05	0.07	0.10	0.12	0.25			950	1.1
	1-1/2"	3/4" x 3/4"	0.02	0.05	0.07	0.09	0.12	0.23			950	1.2
	2"	2" x 2"	0.01	0.03	0.05	0.06	0.08	0.16			1130	1.7
36	1"	2" x 2"	0.24	0.48							140	0.2
	1"	1-1/2" x 1-1/2"	0.15	0.30							270	0.3
	1"	1" x 4"	0.12	0.24							356	0.4
	1"	3/4" x 4"	0.10	0.19	0.28	0.37	0.46				370	0.5
	1-1/2"	1-1/2" x 1-1/2"	0.04	0.08	0.12	0.16	0.20				740	1.2
	1-1/2"	3/4" x 3/4"	0.04	0.07	0.11	0.15	0.19				740	1.3
	2"	2" x 2"	0.02	0.05	0.07	0.10	0.12	0.25			910	1.9

Note: 1" thick by 1" x 4" rectangular mesh grating panels are only available with a grit surface.

Note: 1-1/2" thick by 1"x2" rectangular mesh deflection data is not included here, contact Strongwell for more information.

LOAD in LB / FOOT of WIDTH

SPAN INCHES	STYLE		50	100	150	200	250	500	1000	2000	MAXIMUM RECOMMENDED LOAD (LB/FT)	APPARENT EI (10° LB-IN²) / FT of WIDTH
	DEPTH	MESH										
42	1"	1-½" x 1-½"	0.24							220	0.3	
	1"	1" x 4"	0.19	0.39						304	0.4	
	1"	¾" x 4"	0.15	0.31	0.46					315	0.5	
	1-½"	1-½" x 1-½"	0.07	0.14	0.21	0.28	0.35			590	1.1	
	1-½"	¾" x ¾"	0.06	0.13	0.19	0.26	0.32			590	1.2	
	2"	2" x 2"	0.03	0.07	0.11	0.15	0.19			780	2.0	
48	1-½"	1-½" x 1-½"	0.11	0.23	0.34	0.46			440	1.0		
	1-½"	¾" x ¾"	0.10	0.19	0.29	0.38			440	1.2		
	2"	2" x 2"	0.05	0.11	0.17	0.23	0.28		680	2.0		
54	1-½"	1-½" x 1-½"	0.16	0.33							354	1.0
	1-½"	¾" x ¾"	0.14	0.27							354	1.2
	2"	2" x 2"	0.08	0.16	0.24	0.32	0.41		600	2.0		
60	2"	2" x 2"	0.11	0.22	0.33	0.45					530	2.0

Note: 1" thick by 1" x 4" rectangular mesh grating panels are only available with a grit surface.

Note: 1-1/2" thick by 1"x2" rectangular mesh deflection data is not included here, contact Strongwell for more information.

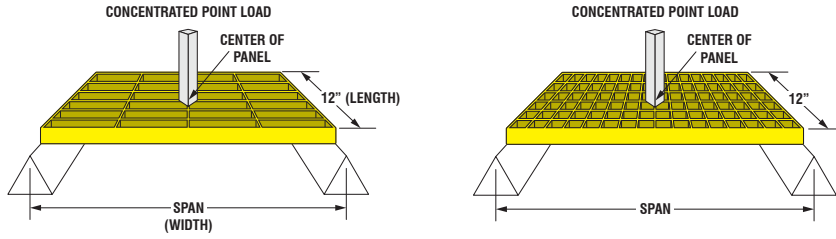


This 55-meter ski jump in Eau Claire, WI utilized DURAGRATE® molded grating and stair treads within the skier access and walking areas. Epoxy grit was applied to aid in long term slip resistance. DURAGRATE® allows for snow to melt or disperse through the grating, preventing excessive snow buildup which would have created slip hazards.

LOAD TABLES FOR STANDARD RESIN SYSTEMS

Molded Grating - Concentrated Point Load (Deflection in Inches)

Note: This loading criteria is not recognized by Fiberglass Composites Grating Manual



LOAD in LB

SPAN INCHES	STYLE		50	100	150	200	250	500	1000	2000	APPARENT EI (10 ⁶ LB-IN ²) / FT of WIDTH
	DEPTH	MESH									
12	1"	2" x 2"	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.05	0.09	0.2
	1"	1-1/2" x 1-1/2"	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.03	0.06	0.3
	1"	1" x 4"	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.03	0.06	0.3
	1"	3/4" x 4"	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.05	0.4
	1-1/2"	1-1/2" x 1-1/2"	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.7
	1-1/2"	3/4" x 3/4"	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.8
	2"	2" x 2"	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	1.0
18	1"	2" x 2"	<0.01	0.02	0.02	0.03	0.04	0.08	0.15	0.30	0.2
	1"	1-1/2" x 1-1/2"	<0.01	0.01	0.02	0.02	0.03	0.05	0.10	0.20	0.3
	1"	1" x 4"	<0.01	<0.01	0.01	0.02	0.02	0.04	0.08	0.15	0.4
	1"	3/4" x 4"	<0.01	<0.01	0.01	0.02	0.02	0.04	0.08	0.15	0.4
	1-1/2"	1-1/2" x 1-1/2"	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.03	0.06	1.0
	1-1/2"	3/4" x 3/4"	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.06	1.1
	2"	2" x 2"	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.04	1.4
24	1"	2" x 2"	0.02	0.04	0.05	0.07	0.09	0.18	0.36		0.2
	1"	1-1/2" x 1-1/2"	0.01	0.02	0.04	0.05	0.06	0.12	0.24		0.3
	1"	1" x 4"	<0.01	0.02	0.03	0.04	0.05	0.09	0.18	0.36	0.4
	1"	3/4" x 4"	<0.01	0.01	0.02	0.03	0.04	0.07	0.14	0.29	0.5
	1-1/2"	1-1/2" x 1-1/2"	<0.01	<0.01	<0.01	0.01	0.02	0.03	0.07	0.13	1.1
	1-1/2"	3/4" x 3/4"	<0.01	<0.01	<0.01	0.01	0.02	0.03	0.06	0.12	1.2
	2"	2" x 2"	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.05	0.09	1.6
30	1"	2" x 2"	0.04	0.07	0.11	0.14	0.18	0.35			0.2
	1"	1-1/2" x 1-1/2"	0.02	0.05	0.07	0.09	0.12	0.23			0.3
	1"	1" x 4"	0.02	0.04	0.05	0.07	0.09	0.18	0.35		0.4
	1"	3/4" x 4"	0.01	0.03	0.04	0.06	0.07	0.14	0.28		0.5
	1-1/2"	1-1/2" x 1-1/2"	<0.01	0.01	0.02	0.03	0.03	0.06	0.13		1.1
	1-1/2"	3/4" x 3/4"	<0.01	0.01	0.02	0.02	0.03	0.06	0.12		1.2
	2"	2" x 2"	<0.01	<0.01	0.01	0.02	0.02	0.04	0.08	0.17	1.7
36	1"	2" x 2"	0.06	0.12	0.18	0.24	0.30				0.2
	1"	1-1/2" x 1-1/2"	0.04	0.08	0.12	0.16	0.20				0.3
	1"	1" x 4"	0.03	0.06	0.09	0.12	0.15	0.30			0.4
	1"	3/4" x 4"	0.02	0.05	0.07	0.10	0.12	0.24			0.5
	1-1/2"	1-1/2" x 1-1/2"	0.01	0.02	0.03	0.04	0.05	0.10	0.20		1.2
	1-1/2"	3/4" x 3/4"	<0.01	0.02	0.03	0.04	0.05	0.09	0.19		1.3
	2"	2" x 2"	<0.01	0.01	0.02	0.03	0.03	0.06	0.13	0.26	1.9

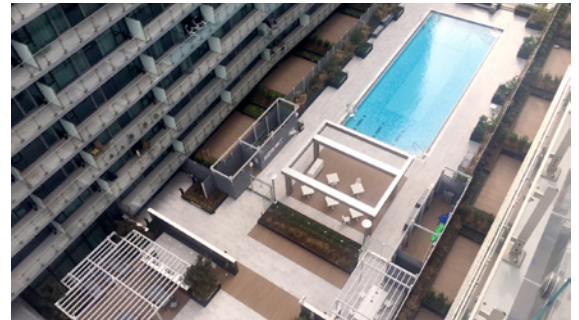
Note: 1" thick by 1" x 4" rectangular mesh grating panels are only available with a grit surface.

Note: 1-1/2" thick by 1"x2" rectangular mesh deflection data is not included here, contact Strongwell for more information.

SPAN INCHES		STYLE		LOAD in LB						APPARENT EI (10 ⁶ LB-IN ²) / FT of WIDTH		
		DEPTH	MESH	50	100	150	200	250	500		1000	2000
42	1"	1-½" x 1-½"	0.06	0.13	0.19	0.26						0.3
	1"	1" x 4"	0.05	0.10	0.14	0.19	0.24					0.4
	1"	¾" x 4"	0.04	0.08	0.12	0.15	0.19					0.5
	1-½"	1-½" x 1-½"	0.02	0.04	0.05	0.07	0.09	0.18	0.35			1.1
	1-½"	¾" x ¾"	0.02	0.03	0.05	0.06	0.08	0.16	0.32			1.2
	2"	2" x 2"	<0.01	0.02	0.03	0.04	0.05	0.10	0.19			2.0
48	1-½"	1-½" x 1-½"	0.03	0.06	0.09	0.12	0.14	0.29				1.0
	1-½"	¾" x ¾"	0.02	0.05	0.07	0.10	0.12	0.24				1.2
	2"	2" x 2"	0.01	0.03	0.04	0.06	0.07	0.14	0.29			2.0
54	1-½"	1-½" x 1-½"	0.04	0.08	0.12	0.16	0.21					1.0
	1-½"	¾" x ¾"	0.03	0.07	0.10	0.14	0.17					1.2
	2"	2" x 2"	0.02	0.04	0.06	0.08	0.10	0.21				2.0
60	2"	2" x 2"	0.03	0.06	0.08	0.11	0.14	0.28				2.0

Note: 1" thick by 1" x 4" rectangular mesh grating panels are only available with a grit surface.

Note: 1-1/2" thick by 1"x2" rectangular mesh deflection data is not included here, contact Strongwell for more information.



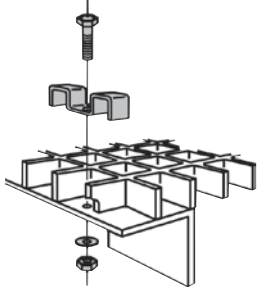
This New York City, NY housing development used DURAGRATE® as subflooring material for their rooftop space. The landscape architect needed a lightweight, bi-directional load, subflooring product which could be easily fabricated onsite.

ACCESSORIES

PANEL INSTALLATION CLIPS

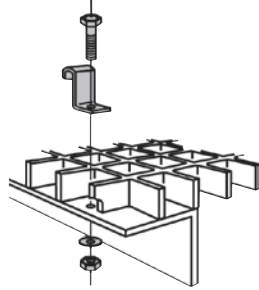
Type M Clips

For attaching grating to supports.



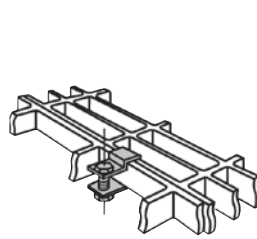
Type J Clips

For attaching grating to supports for moderate loads.



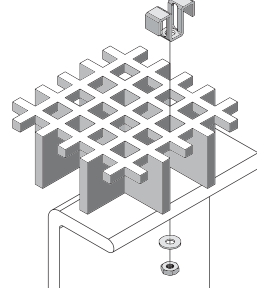
Type C Clips

For joining two unsupported edges if needed.

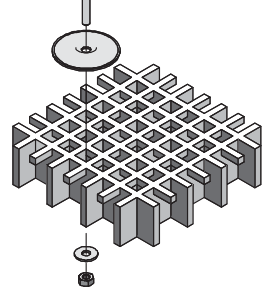


Clips for panels with 3/4" mesh

Type M Clips



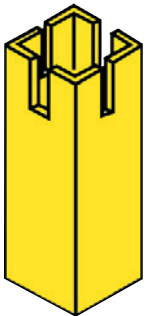
Surface Mount Clips



ELEVATED FLOOR SYSTEM

Fixed and adjustable legs for molded grating are available to provide sturdy support for elevated flooring. Contact Strongwell with your exact requirements.

Fixed Leg

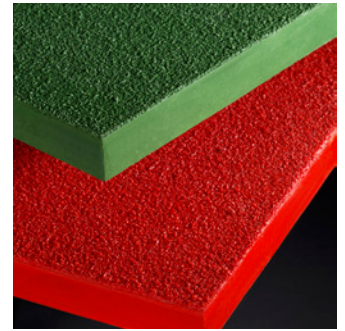


Adjustable Leg

Fits all square mesh grating panels including Mini Mesh. Comprised of two compression molded parts separated by a section of FIBREBOLT® threaded rod. See the *Adjustable Grating Pedestal Layout Guide* for more information.

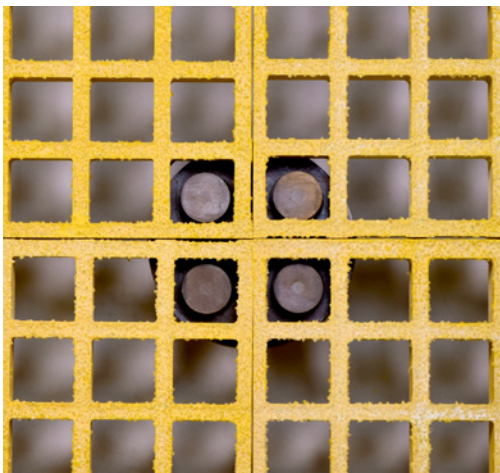
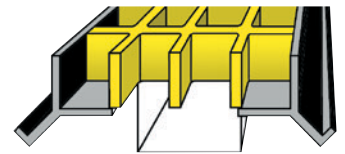
SOLID SURFACE

DURAGRATE® is available with an integral cover bonded to the top surface with a slip resistant grit surface. Integrating a solid surface to DURAGRATE® at the time of manufacture yields approximately 30% additional stiffness over standard DURAGRATE® panels.



CURB ANGLE

Strongwell's pultruded fiberglass Curb Angle provides a strong, firm base for bearing bars. Standard Curb Angle is produced using a gray, fire retardant vinyl ester resin system and is available in three sizes.

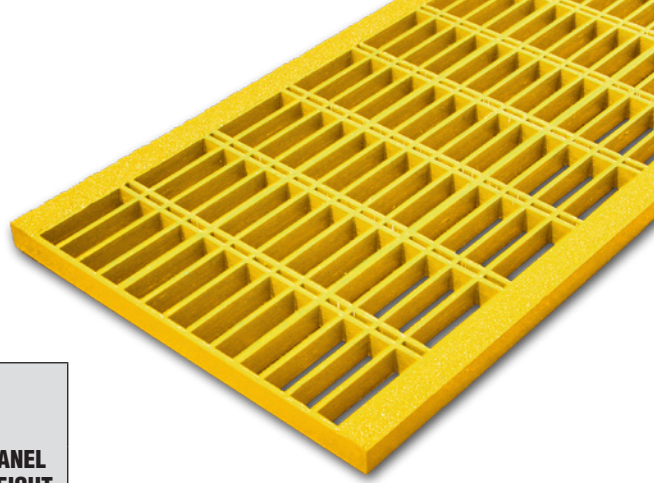


SEALING KITS

To maintain corrosion resistance and structural integrity, standard resin sealing kits are available to protect the exposed ends of cut panels and other components.

STAIR TREADS

DURAGRATE® molded fiberglass stair treads are available in a 1-1/2" thick 1-1/2" x 6" rectangular mesh pattern. The standard panel size is 22-1/2" x 10'. Stair treads can be produced in any of the standard DURAGRATE® resin systems. The stair tread panel comes complete with anti-slip nosing.



DURAGRATE® Stair Tread

THICKNESS	MESH	PANEL SIZE	MAXIMUM SPAN FOR 300 LBS. AT MID-SPAN		OPEN AREA	PANEL WEIGHT
			1/8" OR LESS DEFLECTION	1/4" OR LESS DEFLECTION		
1-1/2"	1-1/2" x 6"	22-1/2" x 10'	31"	38"	67%	60 lbs.

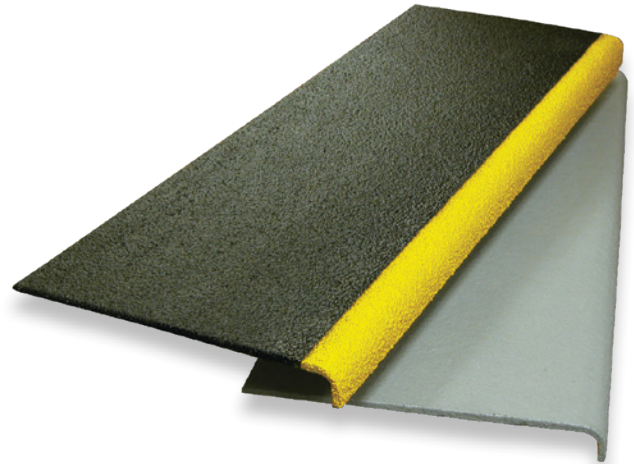
DURATREAD™ STAIR TREAD COVERS

DURATREAD™ molded fiberglass stair tread covers provide an easy, cost-effective way to increase the safety of stairways. The covers are intended for installation over concrete, metal, or wood steps. Fiberglass stair treads may also be covered with DURATREAD™ covers.

DURATREAD™ stair tread covers are ideal for use in any area where frequent use or exposure to slippery environments increases the risk of accidents. The ADA-compliant covers feature a durable gritted surface and a highly visible nosing to ensure years of safe, maintenance-free service. DURATREAD™ covers also improve the appearance of warped, chipped, and rotten steps and are perfect for use in commercial building applications where it is important to maintain an attractive appearance. DURATREAD™ can be customized with various colors and stenciled safety messages.

DURATREAD™ covers are available in thicknesses of 1/8" and 1/4". Standard depths are 8", 9", 10", 11", and 12".

For more information, see the DURATREAD™ Flyer.



These rail station stairs in Baltimore, MD were renovated with DURATREAD™ stair tread covers, allowing the train station to keep the existing stairs, reduce downtime, and saver time and money in the process of the upgrade.



STRONGWELL

ISO 9001 Quality Certified Manufacturing Plants

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