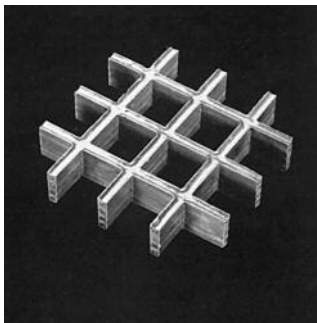




FIBERGLASS

CORGRATE MOLDED SM**1" SM GF****1" SM PF****1" SM VF****FRP GRATING
DATA SHEET**

Molded grating is designed to provide maximum corrosion resistance coupled with moderate strength. These two primary benefits result from its interwoven construction, square mesh and higher resin to glass ratio. Its interwoven square mesh construction offers bi-directional strength which is unique in the open flooring market. This bi-directional aspect allows for increased load carrying capability per unit weight when compared against rectangular mesh molded grating.

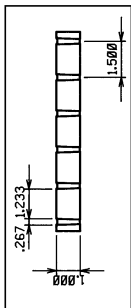


1" SM

TYPE	BEARING BAR DEPTH	NO. BARS PER FOOT	BEARING SPACE	% OPEN WEIGHT	APPROX.	RESIN	COLOR
1" SM GF (or)	1.00"	8	1.50"	67%	2.5#/SF FIRE RETARDANT	GENERAL PURPOSE	DARK GRAY (GF)
1" SM PG (or)							
1" SM VF							
AVAILABLE PANEL SIZES: 4' X 12'							

LOAD/DEFLECTION TABLE

SPAN INCHES	U/C100	200	250	300	350	400	450	500	750	1000	1250	2000
12"	ΔU .014	.029	.036	.043	.051	.058	.065	.073	.118	.161	.202	.323
	ΔC .023	.046	.058	.069	.081	.092	.104	.117	.188	.258	.323	.517
	ΔU .042	.084	.106	.127	.148	.169	.190	.216	.345	.474	.593	.950
18"	ΔC .045	.090	.113	.135	.158	.180	.203	.230	.368	.506	.632	
	ΔU .110	.220	.275	.330	.385	.440	.495	.561	.899	.719	.989	
	ΔC .088	.176	.220	.264	.308	.352	.396	.449				
30"	ΔU .269	.538	.672	.806	.941							
	ΔC .172	.344	.430	.516	.602	.688	.774	.878				
	ΔU .543											
36"	ΔC .289	.580	.725	.870								
	ΔU .984											
	ΔC .450	.900										
42"	ΔU											
	ΔC .625											



LOADINGS LEFT OF THE VERTICAL LINE DEFLECT LESS THAN .25"

C = CONCENTRATED LOAD LBS/FT OF WIDTH

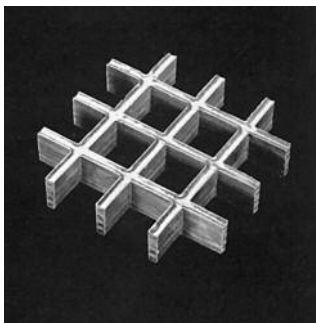
ΔC DEFLECTION UNDER CONCENTRATED LOAD (INCHES)

U = UNIFORM LOAD LBS/SQ FT

ΔU DEFLECTION UNDER UNIFORM LOAD (INCHES)

CORGRATE MOLDED SM**1 1/2" SM GF****1 1/2" SM PF****1 1/2" SM VF****FRP GRATING
DATA SHEET**

Molded grating is designed to provide maximum corrosion resistance coupled with moderate strength. These two primary benefits result from its interwoven construction, square mesh and higher resin to glass ratio. Its interwoven square mesh construction offers bi-directional strength which is unique in the open flooring market. This bi-directional aspect allows for increased load carrying capability per unit weight when compared against rectangular mesh molded grating.



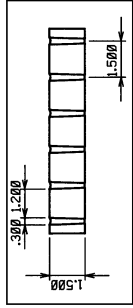
1 1/2" SM

TYPE	BEARING BAR DEPTH	NO. BARS PER FOOT	BEARING BAR CENTER	% OPEN SPACE	APPROX. WEIGHT	RESIN	COLOR
1 1/2" SM GF (or)	1.50"	8	1.50'	64%	3.8#/SF	GENERAL PURPOSE FIRE RETARDANT	DARK GRAY (GF)
1 1/2" SM PG (or)						POLYESTER FIRE RETARDANT	GREEN (PF)
1 1/2" SM VF						VINYLESTER FIRE RETARDANT	ORANGE (VF)

AVAILABLE PANEL SIZES: 4' X 12', 5' X 10'
3' X 10', 4' X 8'

LOAD/DEFLECTION TABLE

SPAN INCHES	U/C 100	200	250	300	350	400	450	500	750	1000	1250	2000	
12"	U	.013	.015	.019	.021	.024	.026	.028	.043	.063	.078	.125	
	ΔU	.006	.008	.011	.012	.013	.014	.015	.022	.033	.041	.063	
	ΔC	.010	.020	.024	.030	.033	.038	.042	.044	.068	.100	.125	.200
18"	U	.030	.038	.043	.046	.053	.056	.066	.108	.159	.199	.319	
	ΔU	.016	.021	.026	.028	.033	.035	.041	.063	.092	.115	.185	
	ΔC	.017	.032	.041	.046	.056	.060	.070	.077	.115	.170	.212	.340
24"	U	.062	.076	.083	.086	.107	.123	.138	.232	.309	.388	.617	
	ΔU	.031	.049	.062	.074	.086	.099	.111	.123	.185	.247	.309	.493
	ΔC	.025	.133	.161	.200	.225	.258	.305	.344	.484	.688	.859	1.200
30"	U	.085	.103	.128	.144	.165	.195	.220	.310	.440	.550	.880	
	ΔU	.069	.085	.103	.128	.144	.165	.195	.220	.310	.440	.550	.880
	ΔC	.044	.085	.103	.128	.144	.165	.195	.220	.310	.440	.550	.880
36"	U	.130	.174	.208	.243	.278	.313	.347	.521	.695	.868	1.200	
	ΔU	.089	.117	.144	.174	.208	.243	.278	.313	.347	.388	.617	
	ΔC	.069	.139	.174	.208	.243	.278	.313	.347	.388	.440	.550	.880
42"	U	.250	.314	.372	.433	.496	.561	.628	.850	1.100	1.350	1.900	
	ΔU	.170	.235	.280	.335	.390	.471	.515	.573	.650	.720	.868	
	ΔC	.117	.235	.280	.335	.390	.471	.515	.573	.650	.720	.868	
48"	U	.448	.538	.627	.717	.806	.896	.986	1.200	1.500	1.800	2.400	
	ΔU	.358	.448	.538	.627	.717	.806	.896	.986	1.200	1.500	1.800	
	ΔC	.179	.358	.448	.538	.627	.717	.806	.896	1.200	1.500	1.800	
54"	U	.731	.896	1.061	1.226	1.391	1.556	1.721	2.100	2.475	2.850	3.800	
	ΔU	.581	.731	.896	1.061	1.226	1.391	1.556	1.721	2.100	2.475	2.850	
	ΔC	.260	.520	.650	.761	.905	1.061	1.226	1.391	1.721	2.100	2.475	2.850
60"	U	1.061	1.226	1.391	1.556	1.721	1.886	2.051	2.475	2.850	3.225	4.200	
	ΔU	.811	.961	1.111	1.261	1.411	1.561	1.711	1.861	2.275	2.650	3.025	
	ΔC	.355	.709	.887	1.065	1.243	1.421	1.599	1.777	2.191	2.566	2.941	3.800



LOADINGS LEFT OF THE VERTICAL LINE DEFLECT LESS THAN .25" U = UNIFORM LOAD LBS/SQ FT
 C = CONCENTRATED LOAD LBS/FT OF WIDTH ΔU DEFLECTION UNDER UNIFORM LOAD (INCHES)
 ΔC DEFLECTION UNDER CONCENTRATED LOAD (INCHES)