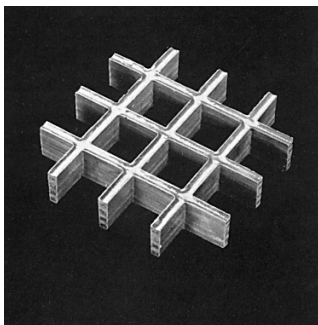


CORGRATE MOLDED SM**1" SM GF****1" SM PF****1" SM VF****FRP GRATING
DATA SHEET**

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.



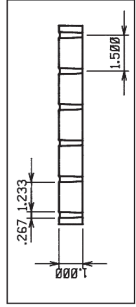
1" SM

TYPE	BEARING BAR DEPTH	NO. BARS PER FOOT	BEARING SPACE	% OPEN WEIGHT	APPROX.	RESN	COLOR
1" SM GF (or)	1.00"	8	1.50"	67%	2.5#/SF	GENERAL PURPOSE FIRE RETARDANT	DARK GRAY (GF)
1" SM PG (or)							
1" SM VF							

AVAILABLE PANEL SIZES: 4' X 12'

LOAD/DEFLECTION TABLE

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



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

C = CONCENTRATED LOAD LBS/FT OF WIDTH

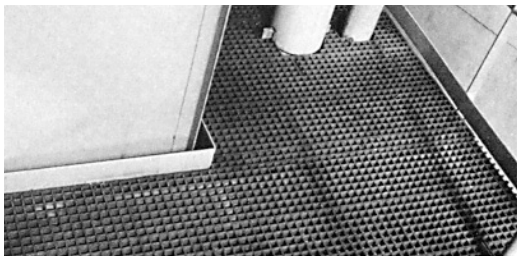
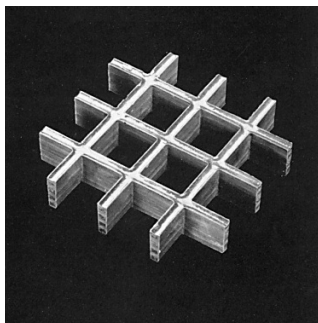
ΔC = DEFLECTION UNDER CONCENTRATED LOAD (INCHES)

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.



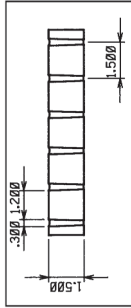
1 1/2" SM

TYPE	BEARING BAR DEPTH	NO. BARS PER FOOT	BEARING BAR CENTER	% OPEN SPACE	APPROX. WEIGHT	RESIN	COLOR
1 1/2" SM GF (GF)	1.50"	8	1.50"	64%	3.8#/SF	GENERAL PURPOSE	DARK GRAY (GF)
1 1/2" SM PG (GF)						FIRE RETARDENT	
1 1/2" SM VF						POLYESTER FIRE RETARDENT	GREEN (PF)
						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/C100	200	250	300	350	400	450	500	750	1000	1250	2000
12"	U	.006	.013	.015	.019	.021	.024	.026	.043	.063	.078	.125
	ΔC	.010	.020	.024	.030	.033	.038	.042	.068	.100	.125	.200
	ΔU	.016	.030	.038	.043	.053	.056	.066	.108	.159	.199	.319
18"	U	.017	.032	.041	.046	.056	.060	.070	.115	.170	.212	.340
	ΔC	.021	.042	.052	.058	.068	.072	.082	.128	.183	.225	.353
	ΔU	.031	.062	.076	.083	.107	.123	.138	.232	.309	.388	.617
24"	U	.025	.049	.062	.074	.086	.099	.111	.185	.247	.309	.493
	ΔC	.039	.078	.101	.116	.131	.146	.161	.258	.344	.420	.688
	ΔU	.069	.133	.161	.200	.225	.258	.305	.484	.668	.859	1.340
30"	U	.044	.085	.103	.128	.144	.165	.195	.310	.440	.550	.880
	ΔC	.068	.136	.164	.203	.222	.252	.282	.435	.600	.750	1.125
	ΔU	.130	.261	.326	.390	.456	.521	.587	.912	1.245	1.578	2.438
36"	U	.069	.139	.174	.208	.243	.278	.313	.521	.729	.937	1.406
	ΔC	.103	.206	.252	.306	.350	.394	.438	.672	.945	1.218	1.827
	ΔU	.250	.514	.613	.772	.853	1.012	1.171	1.812	2.553	3.294	5.035
42"	U	.117	.235	.280	.353	.390	.471	.515	.850	1.183	1.516	2.275
	ΔC	.179	.358	.448	.538	.627	.717	.806	1.211	1.716	2.221	3.332
	ΔU	.448	.896	1.095	1.344	1.543	1.742	1.941	2.882	4.023	5.164	7.745
48"	U	.179	.358	.448	.538	.627	.717	.806	1.211	1.716	2.221	3.332
	ΔC	.260	.520	.650	.761	.895	1.029	1.163	1.745	2.427	3.109	4.664
	ΔU	.731	1.462	1.828	2.194	2.560	2.926	3.292	4.938	6.584	8.230	12.345
54"	U	.260	.520	.650	.761	.895	1.029	1.163	1.745	2.427	3.109	4.664
	ΔC	.355	.709	.887	1.065	1.243	1.421	1.599	2.397	3.195	3.993	5.791
	ΔU	.887	1.774	2.218	2.662	3.106	3.550	3.994	5.791	7.588	9.385	13.582



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)