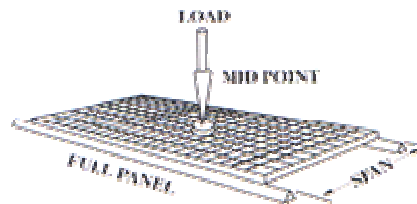




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GLOBALGRID Molded Grating Load - Deflection Data

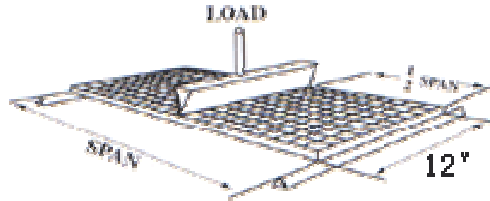
Concentrated Load: Full Panel



1.5" THICK – 1.5"X1.5" MESH

SPAN	LOAD (Lbs)						
(in)	100	250	500	750	1000	1500	2000
12	--	--	--	--	--	--	--
18	--	0.016	0.032	0.048	0.064	0.096	0.130
24	0.011	0.026	0.059	0.088	0.117	0.173	0.228
30	0.020	0.049	0.097	0.145	0.192	0.289	0.390
36	0.030	0.074	0.150	0.224	0.298	0.445	--
48	0.060	0.150	0.292	0.442	--	--	--

Concentrated Load: 12" Wide Strip



1.5" THICK – 1.5"X1.5" MESH

SPAN (in)	LOAD (Lbs/Ft.)							Ultimate Capacity (Lbs/Ft.)
	100	250	500	750	1000	1500	2000	
12	--	0.014	0.028	0.042	0.055	0.084	0.111	8000
18	0.015	0.039	0.077	0.110	0.142	0.210	0.281	5330
24	0.032	0.075	0.151	0.225	0.303	0.442	--	4000
30	0.060	0.148	0.287	0.433	--	--	--	3198
36	0.100	0.250	0.495	--	--	--	--	2665
48	0.230	--	--	--	--	--	--	2000

Uniformed Load: 12" Wide Strip



1.5" THICK – 1.5"X1.5" MESH

SPAN (in)	LOAD (Lbs/Ft. ²)							Ultimate Capacity Lbs/Ft. ²
	25	50	75	100	150	200	250	
12	--	--	--	--	--	--	--	--
18	--	--	--	0.010	0.020	0.031	0.036	6415
24	0.011	0.022	0.031	0.042	0.062	0.075	0.094	4000
30	0.025	0.048	0.070	0.088	0.135	0.172	0.210	2559
36	0.051	0.102	0.150	0.202	0.298	0.402	--	1776
48	0.142	0.284	0.426	--	--	--	--	1000

Notes:

1. Clear span is 2.0" (50mm) less than the width of grating.
2. Deflection less than 0.01" (0.25mm) and some deflection greater than 0.5" (13mm) are not shown.
3. The Load & Deflection data provided here is for general information only because actual environment and operational conditions are beyond our control. For these reasons, FRP Resource LLC cannot guarantee that actual performance will correspond to the Load & Deflection tables provided here.