

**Load-Deflection Tables for 2" Thick 2" Sq. Mesh Molded
With 1/8" Bonded FRP Cover Plate**

E. A. Love 11/1/01
(absolute deflections greater than 1/2" are not shown)

Deflection Under Uniform Loads (in)

Clear Span (in)	Uniform Loads in psf						
	50	65	100	200	300	500	1000
12	0.000	0.000	0.001	0.001	0.002	0.004	0.007
18	0.002	0.002	0.003	0.007	0.010	0.017	0.033
24	0.005	0.007	0.010	0.020	0.030	0.050	0.101
30	0.012	0.016	0.024	0.048	0.072	0.120	0.241
36	0.025	0.032	0.049	0.099	0.148	0.247	
42	0.045	0.059	0.091	0.181	0.272		
48	0.077	0.100	0.154				
54	0.123	0.160	0.246				
60	0.187	0.243					
66	0.273						

Deflection Under Line Loads (in)

Clear Span (in)	Line Loads in lb/ft					
	50	100	200	300	500	1000
12	0.001	0.001	0.002	0.003	0.005	0.010
18	0.002	0.003	0.007	0.010	0.016	0.033
24	0.004	0.008	0.015	0.023	0.038	0.077
30	0.007	0.015	0.030	0.045	0.075	0.149
36	0.013	0.026	0.051	0.077	0.129	0.257
42	0.020	0.041	0.082	0.122	0.204	
48	0.030	0.061	0.122	0.183		
54	0.043	0.087	0.173	0.260		
60	0.059	0.119	0.237			
66	0.079	0.158				

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**Load-Deflection Tables for 1.5" Thick 1.5" Sq. Mesh Molded
With 1/8" Bonded FRP Cover Plate**

E. A. Love 11/1/01 *EAL*
(absolute deflections greater than 1/2" are not shown)

Deflection Under Uniform Loads (in)

Clear Span (in)	Uniform Loads in psf						
	50	65	100	200	300	500	1000
12	0.001	0.001	0.001	0.003	0.004	0.007	0.013
18	0.003	0.004	0.006	0.013	0.019	0.032	0.063
24	0.010	0.013	0.019	0.039	0.058	0.097	0.194
30	0.023	0.030	0.047	0.094	0.141	0.235	0.469
36	0.048	0.063	0.097	0.193	0.290	0.483	
42	0.089	0.116	0.178	0.357	0.535		
48	0.152	0.197	0.304				
54	0.243	0.316	0.485				
60	0.370	0.480					
66	0.541						

Deflection Under Line Loads (in)

Clear Span (in)	Line Loads in lb/ft					
	50	100	200	300	500	1000
12	0.001	0.002	0.004	0.006	0.010	0.019
18	0.003	0.006	0.013	0.019	0.032	0.064
24	0.008	0.015	0.030	0.045	0.076	0.151
30	0.015	0.030	0.059	0.089	0.148	0.295
36	0.026	0.051	0.102	0.153	0.255	0.509
42	0.040	0.081	0.162	0.243	0.404	
48	0.060	0.121	0.241	0.362		
54	0.086	0.172	0.343	0.515		
60	0.118	0.236	0.471			
66	0.157	0.313				

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