Fibergrate
Composite Structures

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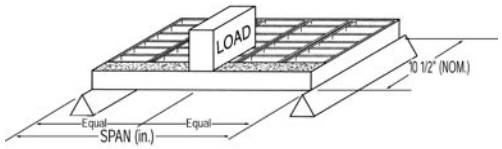
LOAD TABLES

Molded Stair Treads Load and Deflection Data



Tread Type	Load (lbs)	Span (in)	18	24	30	36	42	48
		Span/150	.12	.16	.20	.24	.28	.32
Fibertred® 1-1/2" Deep, 1-1/2" x 6" Rect. Mesh	250		.03	.05	.09	.16	.25	.41
	500		.06	.10	.19	.32	.50	1.24
Chemtred® (10-7/8" width) 1-1/2" Deep, 1-1/2" x 6" Rect. Mesh	250		.03	.05	.09	.14	.25	.41
	500		.06	.10	.18	.29	.50	1.24
Standard 1-1/2" Deep, 1-1/2" Square Mesh	250		.04	.07	.13	.23	.36	.53
	500		.07	.15	.26	.45	.72	1.05
Long Span 1-1/2" Deep, 1-1/2" Square Mesh	250		.04	.07	.07	.11	.16	.19
	500		.07	.15	.15	.22	.31	.49
Standard 2" Deep, 2" Square Mesh	250		.02	.04	.07	.11	.17	.24
	500		.04	.08	.13	.22	.34	.49
Standard 2" Deep, 2" Square Mesh	250		.02	.04	.05	.07	.10	.12
	500		.04	.08	.10	.14	.20	.25

Notes:
1. It is suggested that stair tread deflection be limited to SPAN/150. Deflections based on this ratio are provided at the top of the table.
2. Deflection in the body of the table are for concentrated loads of both 250 lbs. and 500 lbs. A concentrated load is applied at the centerline of the tread, over a width of 4" and a depth of 6", starting at the nosing edge to simulate the landing of a foot.
3. Square mesh grating treads designated as LONG SPAN above with a SPECIALLY DESIGNED NOSING, should be used over long spans for improved stiffness and lower deflections.