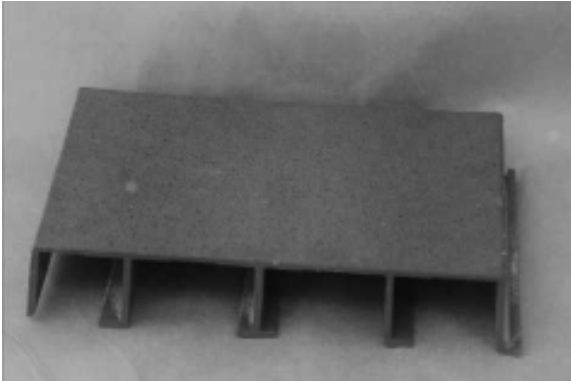




## **Tuf-dek™ 12” Deck Panel System** Offers Versatility

**NEW!**



*Tuf-dek™ new deck panel system is ideal for use in cooling towers and other highly corrosive environments*

Tuf-dek™, a new generation fiber reinforced polymer composite deck system, offers design versatility and can be used as both roof and floor decking systems. Panels are available with or without anti-skid epoxy coating.

### **Features**

- Corrosion resistant
- Non-conductive
- Lightweight
- Maintenance free
- Environmentally safe
- High strength
- Structurally stable
- Electromagnetic transparency
- Sturdy
- Interlocking leg system

### **Benefits**

- Easy standard installation methods
- Built-in resiliencies
- Panels easily removed
- Elimination of expensive labor and equipment
- Affordable
- Enhanced stability



# Tuf-dek™ 12" Deck Panel System

## Technical Information

Panel Width: 12"  
 Height: 2.125"  
 Flange/Leg Thickness: .188"  
 Top Plate Thickness: .197"  
 Series: 1500/1525/1625  
 Approx. Weight: 3.16 lbs./ft.<sup>2</sup>  
 Apparent Modulus of Elasticity: 3.50+E6 psi  
 Shear Modulus: 3.91E+05 psi

Moment of Inertia (in.<sup>4</sup>/ft.): 2.348  
 Area of Webs (in.<sup>2</sup>) = 1.704  
 Note: Max. Load based on a 3x safety factor in shear  
 and a 2.5x safety factor in flexure.

CL = Concentrated Load  
 (lbs per foot width of panel))  
 UL = Uniform Load (lbs/ft<sup>2</sup>)

Span Inches	Load Type	[All deflections in inches]							.25-inch deflection	.375-inch deflection	Max. Load deflection
		200	500	1000	1500	2000	2500	3000			
18	UL	200	500	1000	1500	2000	2500	3000	***	***	3408
	UL deflection	0.004	0.009	0.019	0.028	0.038	0.047	0.057	***	***	0.640
	CL	250	500	1000	2000	3000	4000	5000	***	***	5112
	CL deflection	0.005	0.011	0.022	0.043	0.065	0.086	0.108	***	***	0.110
24	UL	200	500	750	1000	1500	2000	2500	***	***	2556
	UL deflection	0.011	0.026	0.040	0.053	0.079	0.106	0.132	***	***	0.135
	CL	200	500	1000	2000	3000	4000	5000	***	***	5112
	CL deflection	0.009	0.022	0.044	0.088	0.132	0.176	0.220	***	***	0.225
30	UL	250	500	750	1200	1500	1800	2000	***	***	2044
	UL deflection	0.030	0.060	0.091	0.145	0.181	0.218	0.242	***	***	0.247
	CL	250	500	1000	1500	2000	2500	3000	3140	***	3252
	CL deflection	0.020	0.040	0.080	0.120	0.159	0.199	0.239	0.250	***	0.259
36	UL	200	400	600	800	1000	1200		1035	1552	1704
	UL deflection	0.048	0.097	0.145	0.193	0.242	0.290		0.250	0.375	0.412
	CL	250	500	1000	1500	2000	2500		1897	***	2710
	CL deflection	0.033	0.066	0.132	0.198	0.264	0.329		0.250	***	0.357
42	UL	100	200	300	400	600	1000		571	857	1327
	UL deflection	0.044	0.088	0.131	0.175	0.263	0.438		0.250	0.375	0.581
	CL	100	250	500	750	1000	1250		1228	1842	2322
	CL deflection	0.020	0.051	0.102	0.153	0.204	0.255		0.250	0.375	0.473
48	UL	100	200	300	400	600			340	510	1016
	UL deflection	0.074	0.147	0.221	0.294	0.442			0.250	0.375	0.748
	CL	100	250	500	750	1000			838	1257	2032
	CL deflection	0.030	0.075	0.149	0.224	0.298			0.250	0.375	0.606
54	UL	100	200	300	500	800			215	322	803
	UL deflection	0.117	0.233	0.350	0.583	0.933			0.250	0.375	0.937
	CL	100	250	500	750				596	894	1806
	CL deflection	0.042	0.105	0.210	0.315				0.250	0.375	0.758
60	UL	100	200	300	400				142	214	650
	UL deflection	0.177	0.353	0.529	0.706				0.250	0.375	1.147
	CL	100	200	300	400				438	658	1625
	CL deflection	0.057	0.114	0.171	0.228				0.250	0.375	0.926
66	UL	50	100	200	400				97	146	537
	UL deflection	0.129	0.257	0.514	1.028				0.250	0.375	1.380
	CL	100	200	300	400				332	498	1478
	CL deflection	0.075	0.151	0.226	0.301				0.250	0.375	1.114
72	UL	50	100	200	400				69	104	452
	UL deflection	0.181	0.362	0.725	1.449				0.250	0.375	1.638
	CL	100	200	300	400				257	385	1354
	CL deflection	0.097	0.195	0.292	0.389				0.250	0.375	1.318