



SAFE LOAD TABLE

SPECIFICALLY FOR PLATFORMS AND OTHER LARGE FLOOR AREAS.

Mild Steel to BS 4360: Grade 43A

For floor plates supported and securely bolted down on all four sides.

Tabulated loads are calculated to maximum stress of 165N/mm².

Thickness O/Plain mm	Mass Kg/m ²	Loads in kN/m ²								Breadth m
		0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	
3	26.2	7.82	5.78	5.18	4.95	4.85	4.80	4.77	4.76	0.6
			3.29	2.58	2.28	2.15	2.09	2.05	2.03	0.8
4.5	37.97	26.4	19.5	17.5	16.7	16.4	16.2	16.1	16.0	0.6
			11.1	8.7	7.70	7.26	7.05	6.92	6.86	0.8
				5.70	4.59	4.09	3.83	3.69	3.61	1.0
6	49.74	50.9	39.2	35.7	34.4	33.8	33.4	33.3	33.2	0.6
			26.4	20.5	18.2	17.2	16.7	16.4	16.2	0.8
				13.5	10.9	9.68	9.08	8.74	8.55	1.0
					7.82	6.46	5.78	5.61	5.18	1.2
						4.92	4.15	3.74	3.49	1.4
8	65.44	90.5	69.7	63.5	61.1	60.0	59.5	59.2	59.0	0.6
			50.9	40.9	37.0	35.3	34.4	33.9	33.6	0.8
				32.1	25.8	22.9	21.5	20.7	20.3	1.0
					18.5	15.3	13.7	12.8	12.3	1.2
						11.7	9.85	8.85	8.26	1.4
							7.82	6.71	6.06	1.6
								5.49	4.78	1.8
10	81.14	141	109	99.2	95.5	93.7	92.9	92.4	92.2	0.6
			79.5	63.8	57.9	55.1	53.7	52.9	52.5	0.8
				50.9	42.1	38.2	36.2	35.0	34.4	1.0
					35.3	29.9	26.7	25.0	24.0	1.2
						22.8	19.2	17.3	16.1	1.4
							15.3	13.1	11.9	1.6
								10.7	9.34	1.8

Deflection is limited to Span/200.

Where floor plates are supported on all four sides but not bolted down the tabulated loads must be reduced and deflections checked.