

## GRATING DEFLECTION TABLE

### POINT LOAD kg

25mm thick supported on four sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	170	245	270	650
1.5m	190	250	280	700
1m	255	270	350	755

38mm thick supported on four sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	510	580	800	1430
1.5m	530	600	890	1880
1m	660	760	1030	2200

25mm thick supported on two sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	160	220	260	620
1.5m	170	230	345	640
1m	195	245	360	650

38mm thick supported on two sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	460	545	760	1400
1.5m	480	570	770	1430
1m	500	575	790	1430

### UNIFORM LOAD kg

25mm supported on four sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	290	355	750	3750
1.5m	375	480	825	4200
1m	570	760	990	4805

38mm thick supported on four sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	730	1100	1850	6700
1.5m	770	1250	2300	7950
1m	1445	2100	2650	8800

25mm thick supported on two sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	265	320	630	2800
1.5m	340	470	825	3105
1m	370	510	940	3500

38mm thick supported on two sides

Width	1m	0.9m	0.75m	0.5m
Length	*10mm	*9mm	*7.5mm	*5mm
2m	725	865	1800	4950
1.5m	805	980	1975	5620
1m	890	1370	2310	7245

\* The deflection figures quoted are based on 1/100<sup>th</sup> of the width

**ULTIMATE DESTRUCTION EXAMPLES;** Concentrated load, 300 mm wide 12,300 kilos, 450mm wide 7,900 kilos, 900 mm wide 3,700 kilos, 1200 mm wide 1,900 kilos.

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