



FRP GRATING - Load & Deflection Data

Thickness	Mesh Pitch	Span (mm)	Point Load (kg)	Line Load (kg/meter)	uniform load (kg/sqm)
Standard Moulded Gratings					
25mm	38 x 38mm	500	340	469	2378
		750	185	210	705
		1000	140	120	297
30mm	38 x 38mm	500	730	1065	5110
		750	358	690	1185
		1000	260	280	500
38mm	38 x 38mm	500	1100	1920	7920
		750	620	840	2240
		1000	420	500	989
		1220	310	326	465
50mm	50 x 50mm	750	1112	1490	3210
		1000	626	810	1645
		1220	460	540	710
63mm	38 x 38mm	750	3861	6160	17610
		1000	2172	2760	7650
		1500	966	1520	2210
		2000	543	866	980
Mini-Mesh Gratings					
14mm	20 x 20mm	500	100	109	510
		750	50	60	160
		1000	20	30	70
22mm	20 x 20mm	500	300	340	1650
		750	140	155	490
		1000	80	85	210
30mm	20 x 20mm	500	800	1175	5620
		750	480	760	1300
		1000	320	310	550
38mm	20 x 20mm	500	1500	2100	8710
		750	720	920	2460
		1000	500	550	1080
		1220	400	360	510
Solid Top Gratings - 4mm Plate applied as standard					
29mm	38 x 38mm	250mm	2600	4800	N/A
		500mm	850	1220	5400
		750mm	450	550	1300
		1000mm	300	250	500
42mm	38 x 38mm	250 mm	4700	8050	N/A
		500 mm	1550	2420	10500
		750 mm	750	1180	2650
		1000 mm	500	600	1100
54mm	50 x 50mm	500mm	2950	N / A	12670
		750mm	1800	N / A	3750
		1000mm	1030	N / A	1580
		1225mm	700	N / A	950
		1500mm	440	N / A	480