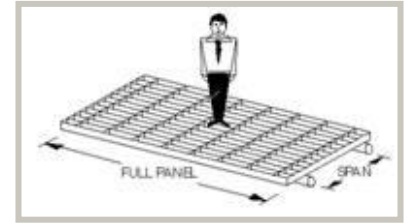




$$D K > \frac{W K}{E d} > K$$

(deflectioim mm)



SM 30 X ( 38 X 38 ) : 30MM THICK & SQ. MESH 38MM X 38MM

SPAN	POINT LOAD IN KG					
In mm	100	225	350	450	700	900
450	0.3	0.5	0.9	1.0	2.7	3.5
600	0.9	1.1	2.5	2.7	8.1	9.2
750	1.1	2.2	5.2	8.9		
900	2.6	4.9	8.5	13.8		
1050	4.1	7.5				
1150	6.5					

MM 30 X ( 19 X 19 ) : 30MM THICK & SQ. MINI MESH 19MM X 19

SPAN	POINT LOAD IN KG					
In mm	100	225	350	450	700	900
450	0.3	0.6	0.9	1.2	1.8	2.4
600	0.7	1.8	2.7	3.7	5.8	7.6
750	1.7	3.7	5.5	7.0	10.7	14.3
900	2.3	5.2	7.9	10.4	15.5	20.7
1050						
1150						

NOTES:

1	It is advised not to exceed the MAX RECOMMENDED LOAD at any given span. MAX RECOMMENDED LOAD represents a 50% of safety CAPACITY.
2	ULTIMATE CAPACITY represents a complete and total failure of the grating. Max recommended and ultimate loads are based on adding a 3mm thick covered plate.
3	Walking loads, typically 250 kg/m <sup>2</sup> maximum are recommended for pedestrian traffic. Deflections for worker comfort are typically the lesser of 10mm or CLEAR SPAN divided by 25. For a firmer feel, limit deflection to the lesser of 6 or CLEAR SPAN divided by 20.
4	The allowable loads in this table are for STATIC LOAD CONDITIONS at ambient temperatures only. Allowable loads for dynamic or impact should be a maximum of ONE-HALF the values shown. Long term loads will result in added deflection due to creep in the material and require higher safety factors to ensure acceptable performance. For applications at elevated temperatures, consult our technical team.
5	All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Association (FGMA) and the American Composites Manufacturers Association (ACMA).