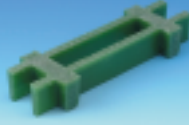

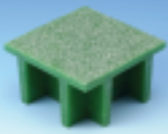



Mechanical data sheet

						
		concentrated load with 300x75 mm block		uniformly distributed load		
		Span mm	Load with 1% defl.	Safety factor 10:1 load daN	Load with 1% defl.	Safety factor 10:1 load daN/m ²
Pedestrian Traffic	mesh 85x18xh25 (100x25xh25)					
		600	420	270	1650	1660
		800	260	210	700	940
		1000	190	200	360	600
		1200	160	190	210	420
	mesh 30x30xh25 (40x40xh25)					
		600	350	200	1300	1120
		800	230	160	550	630
1000		170	150	280	400	
1200		130	140	160	280	
Light-medium Loads	mesh 30x30xh30 (40x40xh30)					
		600	550	380	2220	2100
		800	390	300	940	1180
		1000	290	280	480	760
		1200	230	270	280	530
	mesh 19x19xh30 (25x25xh30)					
		600	570	350	2420	1930
		800	420	270	1020	1090
		1000	320	260	520	700
		1200	260	250	300	480



gratings with closed and sandwich surface		
	<p>Depending on the selected mesh type, the load values of gratings manufactured with closed and sandwich surface increase from a minimum of +35% up to +200% compared to the load values of the same mesh type with open surface (if you need to define correct load values for specific applications please contact our Technical Department).</p>	

We reserve the right to modify without notice our production properties and the written data of the present document.

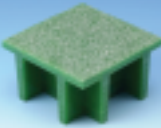
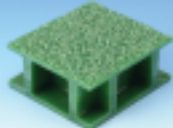
The mechanical resistances shown in the table refer to a linear support on both sides of the panel (as seen in the above drawings). The load values indicated refer to a 1% deflection of the span (example: with a 80 cm span, the load value indicated causes a deflection of 0,8 cm). The load with safety factor represents 1/10 of the load values of the same failure type of the grating (a value of 300 daN means that the grating will break with a load of 3000 daN).

The load values indicated represent average values, they may vary +/- 15%. As actual environmental and operational conditions are beyond our control in no way these values can be a guarantee of performance. Our products are guaranteed for 1 year within normal use.

Mechanical data sheet

						
		concentrated load with 300x75 mm block		uniformly distributed load		
		Span mm	Load with 1% defl.	Safety factor 10:1 load daN	Load with 1% defl.	Safety factor 10:1 load daN/m ²
Semi-heavy Loads	mesh 30x30xh38 (40x40xh38)					
		600	950	430	4470	3250
		800	680	335	1890	1830
		1000	540	320	970	1170
		1200	430	300	560	810
	mesh 8x8xh30 (17x17xh30)					
		600	640	430	2660	1820
		800	450	340	1120	1020
1000		345	325	570	650	
1200		280	310	330	450	
Heavy Loads	mesh 19x19xh40 (25x25xh40)					
		600	1160	600	4930	3270
		800	850	460	2080	1840
		1000	660	440	1070	1180
		1200	530	430	620	820
	mesh 40x15xh55 (50x25xh55)					
		800	1620	620	3930	2780
		1000	1380	585	2010	1780
1200		990	540	1170	1230	
1400		780	500	730	910	

gratings with closed and sandwich surface

	Depending on the selected mesh type, the load values of gratings manufactured with closed and sandwich surface increase from a minimum of +35% up to +200% compared to the load values of the same mesh type with open surface (if you need to define correct load values for specific applications please contact our Technical Department).	
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The mechanical resistances shown in the table refer to a linear support on both sides of the panel (as seen in the above drawings). The load values indicated refer to a 1% deflection of the span (example: with a 80 cm span, the load value indicated causes a deflection of 0,8 cm). The load with safety factor represents 1/10 of the load needed to cause the total failure of the grating (a value of 300 daN means that the grating will break with a load of 3000 daN).

The load values indicated represent average values, they may vary +/- 15%. As actual environmental and operational conditions are beyond our control in no way these values can be a guarantee of performance. Our products are guaranteed for 1 year within normal use.