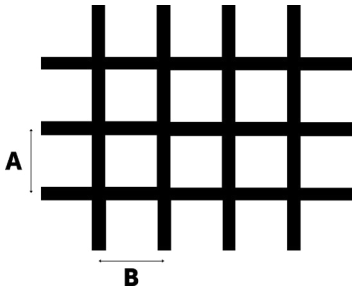
50MM OPEN MESH GRP GRATING

Our moulded, open mesh GRP Grating is anti-slip, light in weight, durable, low maintenance, non-corrosive and non-conductive, making it a superior alternative to steel grating in many walkway applications and aggressive environments.

This grating is manufactured to comply and adhere to British Standards BS EN ISO 14122: Permanent Means of Access to Machinery and BS 4592: Flooring and Stair Treads for Industrial Use.

Brand: Barclay & Mathieson
Grade: Isophthalic FR Polyester Resin Class 2
Thickness: 50mm
Load Bearing Bar Size: 50 x 9mm (tapered)
Load Bearing Centres: A: 50mm B: 50mm
Fire Rating: ASTM E84 Class A > 25
Finish: Gritted/Anti-Slip
Panel Weight: 23.9 kg/m²

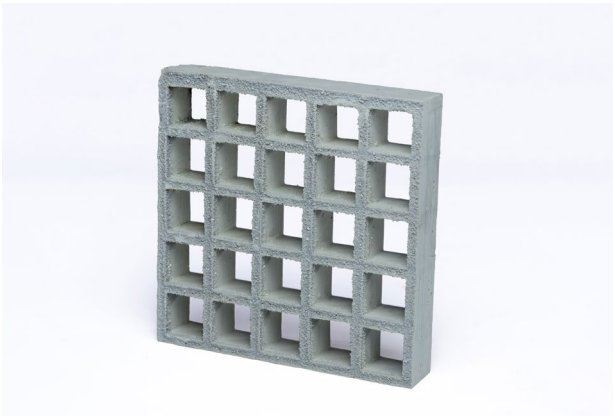


IN STOCK

Product Code	Colour
MFGRP-50-50/50-GRN-6001	RAL 6001
MFGRP-50-50/50-GRY-7043	RAL 7043
MFGRP-50-50/50-YEL-1003	RAL 1003
MFGRP-50-50/50-GRY-7047	RAL 7047
MFGRP-50-50/50-GRN-6017	RAL 6017

TO ORDER

Product Code	Colour
MFGRP-50-50/50-GRY-7040	RAL 7040



POINT LOAD - DEFLECTION IN MILLIMETRES

Load (kN)	Span (mm)												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
0.5	0.10	0.15	0.23	0.24	0.29	0.44	0.58	0.78	1.12	1.17	1.60	2.14	2.38
1.0	0.14	0.24	0.36	0.49	0.63	0.88	1.12	1.51	1.85	2.33	2.87	3.79	4.76
1.5	0.19	0.34	0.53	0.73	0.92	1.26	1.66	2.24	2.82	3.55	4.55	5.37	6.47
2.0	0.29	0.44	0.68	0.92	1.26	1.65	2.24	2.97	3.79	4.67	5.83	7.15	8.75
2.5	0.34	0.53	0.83	1.12	1.56	2.09	2.72	3.65	4.67	5.98	7.32	8.90	10.85

UNIFORMLY DISTRIBUTED LOAD - DEFLECTION IN MILLIMETRES

Load (kN/m²)	Span (mm)												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
1.0	0.00	0.05	0.15	0.15	0.25	0.44	0.53	0.85	1.02	1.26	1.44	1.60	1.75
2.0	0.00	0.05	0.24	0.29	0.39	0.73	0.95	1.50	1.94	2.48	2.57	2.77	3.06
3.0	0.05	0.10	0.29	0.44	0.53	1.02	1.36	2.12	2.91	3.45	3.58	3.94	4.52
4.0	0.05	0.10	0.34	0.54	0.73	1.31	1.75	2.87	3.84	4.42	4.91	5.26	6.22
5.0	0.10	0.13	0.44	0.68	0.88	1.60	2.09	3.50	4.59	5.35	5.83	6.56	7.67

Based on independent tests by Lancaster University

Deflection within L/200 (0.5%) Deflection within L/100 (1%)