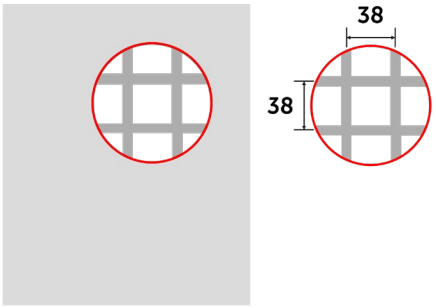
41MM SOLID TOP GRP GRATING

50% lighter than steel, our moulded Solid Top GRP Grating is a strong, durable, and easy to handle solution for walkways and platforms. These non-corrosive, non-conductive panels feature a 3mm solid grip plate to the upper side, providing a level surface for foot or wheeled traffic and approximately 50% higher stiffness values than that of open mesh grating.

Ideal applications include walkways above open conveyors, tanks or vats to prohibit contamination, especially in the food processing industry, or where narrow heels might present a tripping hazard with standard open mesh.

Brand: Barclay & Mathieson
Grade: Isophthalic FR Polyester Resin Class 2
Thickness: 38mm + 3mm Plate
Open Area: N/A
Load Bearing Centres: 38 x 38mm
Load Bearing Bar Size: 38 x 7mm (tapered)
Fire Rating: ASTM E84 Class A
Finish: Gritted/Anti-Slip Solid Top
Panel Weight: 24.90kg/m²
Panel Size: 1220x3660mm (others available upon request)

PLAN VIEW



IN STOCK

	Product Code	Colour
	MFGRP-41-SOLID-GRY-7043	RAL 7043
	MFGRP-41-SOLID-GRY-7047	RAL 7047

TO ORDER

	Product Code	Colour
	MFGRP-41-SOLID-GRN-6001	RAL 6001
	MFGRP-41-SOLID-YEL-1003	RAL 1003
	MFGRP-41-SOLID-SND-1001	RAL 1001

POINT LOAD - DEFLECTION IN MILLIMETRES

Load (kN)	Span (mm)												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
0.5	0.05	0.10	0.15	0.19	0.24	0.34	0.58	0.68	0.88	1.14	1.46	1.80	1.99
1.0	0.10	0.19	0.29	0.34	0.51	0.78	1.06	1.32	1.76	2.29	2.77	3.65	3.94
1.5	0.15	0.29	0.39	0.54	0.78	1.12	1.65	1.99	2.63	3.35	4.08	5.29	6.32
2.0	0.19	0.39	0.53	0.73	1.12	1.51	2.13	2.67	3.53	4.41	5.59	7.05	8.34
2.5	0.24	0.44	0.63	0.88	1.31	1.94	2.67	3.33	4.47	5.61	6.95	8.70	10.45

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	0.00	0.10	0.09	0.15	0.24	0.29	0.34	0.58	0.78	1.00	1.17	1.31
2.0	0.05	0.05	0.15	0.15	0.29	0.49	0.43	0.58	1.02	1.17	1.51	1.70	2.29
3.0	0.05	0.06	0.19	0.24	0.46	0.58	0.63	0.93	1.51	1.56	2.14	2.48	3.45
4.0	0.05	0.10	0.24	0.39	0.63	0.77	0.87	1.26	1.99	2.14	2.96	3.23	4.47
5.0	0.05	0.15	0.29	0.49	0.78	0.92	1.11	1.65	2.48	2.97	3.69	4.08	5.69

Based on independent tests by Lancaster University

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