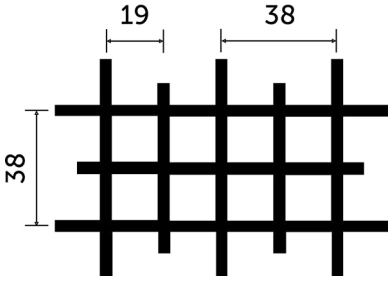
30MM MINI-MESH GRP GRATING

Our moulded Mini-Mesh GRP Grating is anti-slip, weather- and chemical-resistant, durable, and light in weight for easy handling. Featuring 19mm x 19mm apertures, Mini-Mesh meets all Ball Proof design requirements. It is ideal for walkways above working areas or positioned over water, such as jetties and pontoons.

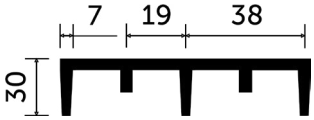
This grating is manufactured to comply and adhere to British Standards BS EN ISO 14122: Permanent Means of Access to Machinery and BS 4592: Flooring and Stair Treads for Industrial Use.

Brand: Barclay & Mathieson
Grade: Isophthalic FR Polyester Resin Class 2
Thickness: 30mm
Open Area: 42%
Load Bearing Centres: 19mm x 38mm
Load Bearing Bar Size: 30 x 7mm (tapered)
Fire Rating: ASTM E84 Class A
Finish: Gritted/Anti-Slip
Panel Weight: 18.40 kg/m²

PLAN VIEW



ELEVATION VIEW

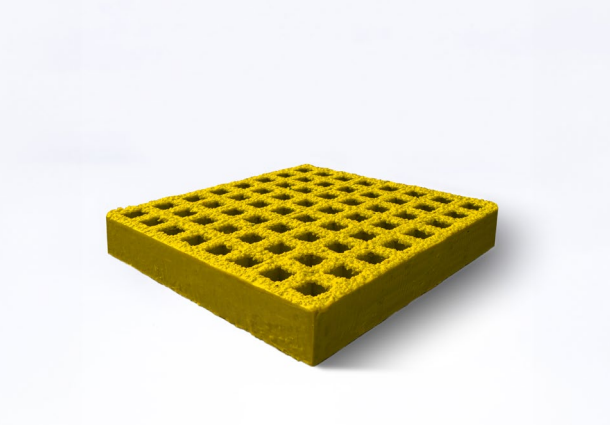


IN STOCK

	Product Code	Colour
	MFGRP-30-19/19-SND-1001	RAL 1001
	MFGRP-30-19/19-GRY-7047	RAL 7047
	MFGRP-30-19/19-YEL-1003	RAL 1003

TO ORDER

	Product Code	Colour
	MFGRP-30-19/19-GRN-6001	RAL 6001
	MFGRP-30-19/19-GRY-7043	RAL 7043



POINT LOAD - DEFLECTION IN MILLIMETRES

Load (kN)	Span (mm)												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
0.5	0.11	0.24	0.49	0.58	0.88	1.25	1.62	2.29	2.77	3.65	4.42	6.27	6.52
1.0	0.21	0.44	0.88	1.22	1.65	2.36	3.31	4.42	5.68	7.20	8.85	11.66	13.61
1.5	0.35	0.68	1.22	1.80	2.43	3.48	4.86	6.56	8.35	10.62	13.30	17.41	20.03
2.0	0.45	0.88	1.60	2.29	3.21	4.65	6.41	8.65	11.09	14.13	17.72	23.05	27.18
2.5	0.55	1.12	2.00	2.86	3.99	5.77	7.83	10.70	13.86	17.84	22.25	28.49	33.93

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	0.01	0.05	0.19	0.34	0.58	0.97	1.02	1.56	1.99	2.50	3.09	3.89	4.52
2.0	0.06	0.15	0.24	0.78	0.92	1.65	1.73	2.00	2.04	3.28	3.63	5.40	6.52
3.0	0.07	0.23	0.32	1.12	1.22	2.19	2.48	3.27	4.16	4.38	5.64	7.05	9.36
4.0	0.09	0.29	0.40	1.41	1.51	2.67	3.21	4.13	5.40	6.20	7.20	9.25	12.06
5.0	0.11	0.39	0.53	1.65	1.85	3.16	3.94	5.06	6.47	7.95	9.66	11.09	14.65

Based on independent tests by Lancaster University

Deflection within L/200 (0.5%) | Deflection within L/100 (1%) | Deflection greater than L/100

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