

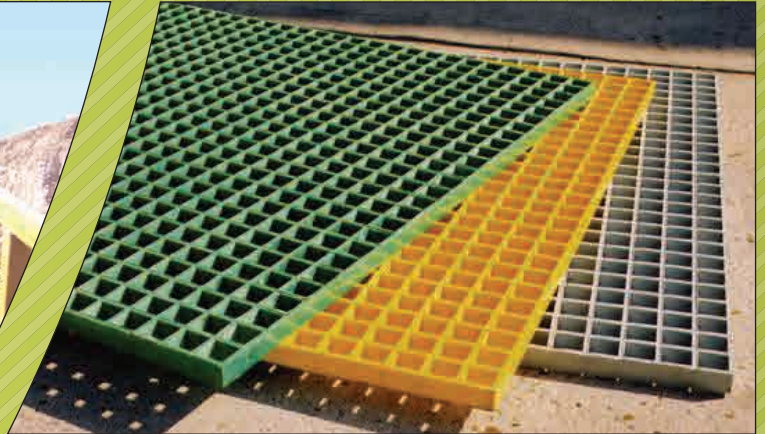


JOHN BELL PIPELINE

Equipment Company Limited

**FABRICATION
SERVICE AVAILABLE**

GRP MOULDED GRATING



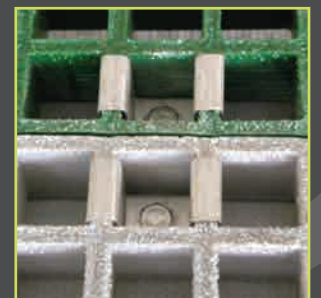
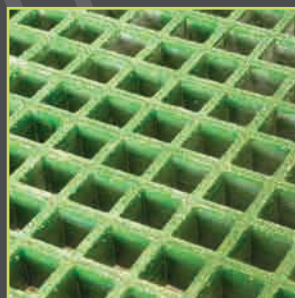
Moulded grating provides a fast, safe and effective flooring solution to walkway and access areas where slips, trips and falls are a potential hazard.

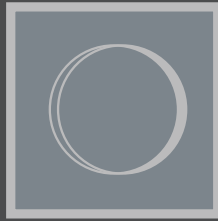
Moulded grating is manufactured by laying continuous glass fibres into the mould, in the vertical and horizontal direction, and thoroughly wetted out with resin, layer by layer. When the weaving process is completed in the hot mould, the mould is cooled to cure the panel before removal.

This hand manufacturing process produces parts that are generally 25% to 35% fibreglass and 65% to 75% resin (by weight). As a result, this process produces the most corrosion resistant products, which are often specified in harsh environments.

FEATURES AND BENEFITS

- Corrosion Resistant
- Fire Resistant
- Slip Resistant
- Impact Resistant
- Non-Conductive
- Light Weight
- Easy Fabrication
- Maintenance Free
- Bidirectional Load Bearing
- Aesthetically Appealing





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LOADING DATA

Concentrate Line Load (Kg/M) - Deflection in MM						
Span (mm)	Type	Kg/m ²	150	300	600	750
610	25x38x38	12.6	1.68	3.55	6.71	8.20
	25x25x100	13.1	1.70	3.48	6.90	8.65
	38x38x38	17.3	0.67	1.19	2.50	3.08
	50x50x50	19.1	0.50	0.82	1.77	3.35
914	25x38x38	12.6	5.89	12.15	-	-
	25x25x100	13.1	4.75	8.90	16.52	20.65
	38x38x38	17.3	1.79	3.65	7.39	9.31
	50x50x50	19.1	1.10	2.22	5.18	10.10
1219	25x38x38	12.6	11.65	-	-	-
	38x38x38	17.3	4.80	9.71	19.62	-
	50x50x50	19.1	1.95	3.97	9.99	-

Uniform Load (Kg/M ²) - Deflection in MM						
Span (mm)	Type	Kg/m ²	500	1000	2000	3500
610	25x38x38	12.6	2.15	4.25	8.30	14.58
	25x25x100	13.1	1.90	3.77	7.50	-
	38x38x38	17.3	0.83	1.59	3.14	5.48
	50x50x50	19.1	0.60	0.99	1.79	3.93
914	25x38x38	12.6	11.33	22.23	-	-
	25x25x100	13.1	6.75	12.69	24.85	-
	38x38x38	17.3	3.53	7.12	14.19	-
	50x50x50	19.1	2.16	4.03	7.77	17.66
1219	25x38x38	12.6	-	-	-	-
	38x38x38	17.3	12.34	25.09	-	-
	50x50x50	19.1	5.04	10.19	20.11	-

RESIN SYSTEM

Resin Code	Description	Resin Base	Corrosion Resistance	Flame Spread Rating	Max. Temp.
Type GP	Architectural or application moderate corrosion	Orthophthalic	Good	ASTM E-84, Class 1,25 or less	150°F
Type I	Industrial application	Isophthalic	Very good	ASTM E-84, Class 1,25 or less	150°F
Type V	High chemical resistance	Vinyl Ester	Excellent	ASTM E-84, Class 1,25 or less	200°F
Type XVE	Premium grade with extra fire resistance	Vinyl Ester	Good	ASTM E-84, Class 1,10 or less 25 or less	200°F
Type F	Meet US FDA food industry standard	Isophthalic	Good	ASTM E-84, Class 1,30 or less	150°F
Type P	Low smoke and superior fire resistance	Phenolic	Excellent	ASTM E-84, Class 1,0	300°F