

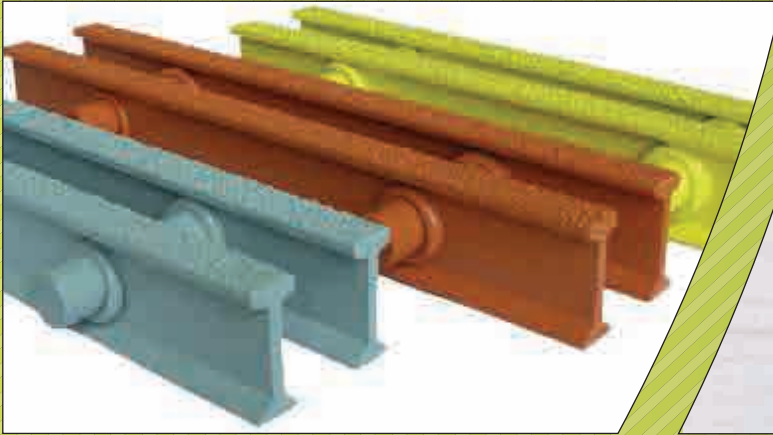


**JOHN BELL PIPELINE**

Equipment Company Limited

**FABRICATION  
SERVICE AVAILABLE**

# GRP PULTRUDED GRATING



Pultruded grating offers a fast, safe and effective flooring solution to high load capacity access areas.

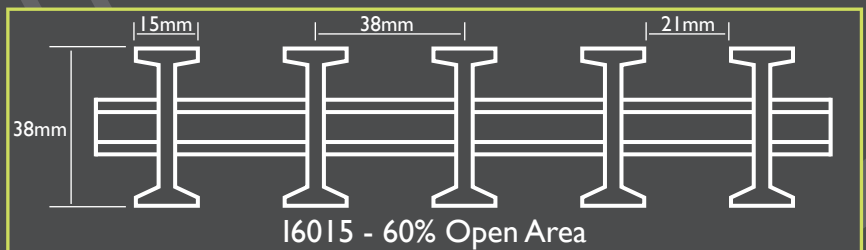
Pultruded grating is manufactured by glass fibres being pulled through a resin bath and then through a heated tool to cure the pultruded shape into its final form. Load bearing bars are then drilled to accommodate the interlocking tie bars. Both bars are then assembled in a jig and bonded together to make the finished panel of grating.

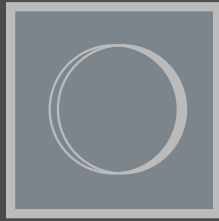
This manufacturing process produces parts that are generally 65% fibreglass and 35% resin (by weight). As a result, this process produces the strongest composite gratings which are often specified in high traffic areas.

## FEATURES AND BENEFITS

- Corrosion Resistant
- Fire Resistant
- Slip Resistant
- Impact Resistant
- Non-Conductive
- Light Weight
- Easy Fabrication
- Maintenance Free
- Uni-directional Load Bearing
- Aesthetically Appealing
- Phenolic and Isophthalic in stock

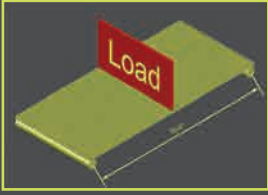
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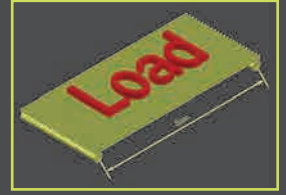


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## LOADING DATA



Concentrated Line Load (Kg/M) - Deflection in MM						
Span (mm)	Type	300	600	1500	3000	6000
610	I-4010	-	2.00	4.90	8.93	17.65
	I-6010	-	2.56	5.63	11.28	22.26
	I-4015	0.51	0.77	1.79	3.07	5.88
	I-6015	0.51	1.03	2.31	4.35	8.44
	T-5020	0.25	0.51	1.28	2.31	4.60
914	I-4010	2.82	5.63	13.55	27.09	54.23
	I-6010	3.32	6.39	15.86	31.72	63.43
	I-4015	1.03	1.79	4.35	8.44	16.88
	I-6015	1.28	2.56	6.14	12.59	25.33
	T-5020	0.77	1.53	3.32	6.14	12.28
1219	I-4010	5.88	12.02	29.66	59.62	-
	I-6010	4.09	15.59	38.87	78.05	-
	I-4015	2.04	3.84	9.46	19.23	38.12
	I-6015	2.81	5.63	14.32	28.70	57.30
	T-5020	1.53	2.81	6.64	13.60	27.37

Uniform Load (Kg/M <sup>2</sup> ) - Deflection in MM							
Span (mm)	Type	500	1000	2000	3000	5000	10000
610	I-4010	0.51	1.01	1.29	2.80	4.64	8.91
	I-6010	0.77	1.28	2.31	3.38	5.84	11.35
	I-4015	0.26	0.52	0.80	1.09	1.94	3.98
	I-6015	0.26	0.52	1.09	1.32	2.58	4.85
	T-5020	0.26	2.52	0.79	1.10	1.96	3.22
914	I-4010	2.55	4.59	8.43	12.30	-	-
	I-6010	3.06	5.88	10.99	16.43	-	-
	I-4015	0.77	1.54	2.84	4.16	7.05	13.76
	I-6015	1.28	2.32	4.13	5.89	10.19	-
	T-5020	0.52	1.04	2.08	2.89	4.89	9.67
1219	I-4010	7.64	14.50	-	-	-	-
	I-6010	9.18	17.80	-	-	-	-
	I-4015	2.30	4.51	8.62	13.01	-	-
	I-6015	3.56	6.69	12.99	-	-	-
	T-5020	1.79	2.25	6.38	9.49	15.88	-