

# Mini-Mesh Grating

- 5 resin types
- 4 thicknesses
- 3 surface finishes
- Endless colours

## Applications

- Jetties
- Docks
- Waterparks
- Marinas
- Walkways
- Public access areas
- Commercial kitchens



Combining all the benefits of standard FRP moulded grating, Minimesh grating provides a versatile, functional and cost effective alternative to traditional materials.

Minimesh FRP grating can be supplied with either smooth, meniscus or gritted, anti-slip surfaces. The Minimesh has been tested to numerous Australian and International standards and provides excellent slip-resistance in wet, oily and icy conditions. The gritted anti-slip surface of Minimesh grating provides long-lasting protection against

heavy damage and is the perfect replacement for traditional materials such as timber, steel or aluminium. Minimesh grating is manufactured with a smaller aperture size than the standard FRP grating. The smaller aperture allows for BCA disability code AS1428-2001 compliance and public access requirements. The smaller aperture of the Minimesh reduces the risk of small tools or objects falling through the surface and causing injury.

## Safe Load & Deflection Chart (mm) - Uniform and Concentrated Line Load

Mesh Grid	Load Bar Details	Span (mm)	Load (kN/m <sup>2</sup> ) - Deflection (mm)														MR* kN	UC** kN
			3	5	8	10	15	20	25	30	40	50	60	80	90	100		

\* Maximum Recommended kN    \*\* Ultimate Capacity kN

### MINIMESH 30 (13)

38 x 38/19x19	32/ 12.5 x 7	400	ΔU	0.19	0.33	0.52	0.68	1.01	1.35	1.69	2.03	3.38	3.38	4.05	5.41	6.08	6.75	66.55	334.49		
			ΔC	0.79	1.34	2.13	2.7	4.03	5.38	6.73	8.08	10.77							15.05	76.39	
		600	ΔU	0.79	1.33	2.13	2.68	4.01	4.36	6.69	8.04	10.7								39.35	198.5
			ΔC	2.18	3.65	5.82	7.3	10.95												11.57	59.61
		800	ΔU	2.52	4.22	6.75	8.45													21.99	111.69
			ΔC	5	8.35															9.26	48.03

### MINIMESH 38 (13)

38x38/19x19	38/9 x 7	400	ΔU	0.096	0.176	0.272	0.36	0.536	0.72	0.896	1.08	1.432	1.8	2.152	2.88	3.232	3.584	115	575		
			ΔC	0.496	0.84	1.336	1.696	2.536	3.384	4.232	5.08	6.768	8.464	10.152	13.544	15.232			23	115	
		600	ΔU	0.44	0.752	1.192	1.504	2.216	3.016	3.76	4.52	6.016	7.536	9.032	12.056	13.552	15.048			58	290
			ΔC	1.232	2.072	3.304	4.144	6.816	8.296	10.36	12.44									18	90
		800	ΔU	1.352	2.272	3.624	4.544	13.176	9.096	11.36	13.64									34	171
			ΔC	2.624	4.392	7.016	8.784													14	71
		1200	ΔU	3.328	5.56	8.888	11.136													21	109
			ΔC	5.424	9.056	14.48														10	53
		1400	ΔU	7.008	11.696															13	65
			ΔC	9.264	15.456															8	40





Mesh Grid	Load Bar Details	Span (mm)	Load (kN/m <sup>2</sup> ) - Deflection (mm)														MR* kN	UC** kN
			3	5	8	10	15	20	25	30	40	50	60	80	90	100		

\* Maximum Recommended kN \*\* Ultimate Capacity kN

## MINIMESH 50 (19)

Mesh Grid	Load Bar Details	Span (mm)	ΔU	Load (kN/m <sup>2</sup> ) - Deflection (mm)														MR* kN	UC** kN
				3	5	8	10	15	20	25	30	40	50	60	80	90	100		
50 X 50 / 25 X 25	50 X 9 / 12 X 7	400	ΔU	0.064	0.432	0.184	0.256	0.376	0.504	0.632	0.76	1.008	1.264	1.512	2.024	2.272	2.52	90	451.25
			ΔC	0.248	0.432	0.68	0.864	1.296	1.736	2.16	2.6	3.456	4.336	5.192	6.936	7.792	9.528	36.25	182.5
		600	ΔU	0.224	0.392	0.616	0.784	1.176	1.576	1.96	2.36	3.136	3.936	4.712	6.296	7.072	7.848	93.75	470
			ΔC	0.704	1.192	1.896	2.384	3.576	4.776	5.96	7.16	9.536	11.936	14.312				27.5	138.75
		800	ΔU	0.72	0.136	0.2	0.272	0.408	0.552	0.68	0.824	1.088	1.376	1.64	2.2	2.464	2.728	45	226.25
			ΔC	1.456	2.44	3.896	4.896	7.336	9.784	12.232	14.68							16.25	82.5
		1000	ΔU	1.744	2.92	4.664	5.856	8.776	11.704	14.632								20	101
			ΔC	2.896	4.84	7.736	9.696	14.536										13.75	70
		1200	ΔU	3.648	6.096	9.744	12.2											18.75	95
			ΔC	4.84	8.08	12.92												11.25	57.5
		1400	ΔU	6.56	10.952													11.25	57.5
			ΔC	7.744	12.92													7.5	38.75

Panel sizes available							
Thickness (mm)	Aperture	Kg/m <sup>2</sup>	Open Area	1007 x 3007	1220 x 3660	1247 x 4047	1000 x 4083
22	13	13.2	44.4		X	X	
25	13	14.8	44.4	X	X	X	X
30	13	18.0	44.4		X	X	X
30	19	18.8	49		X	X	
38	13	22.6	44.4		X	X	X
50	19	28.5	49		X	X	



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