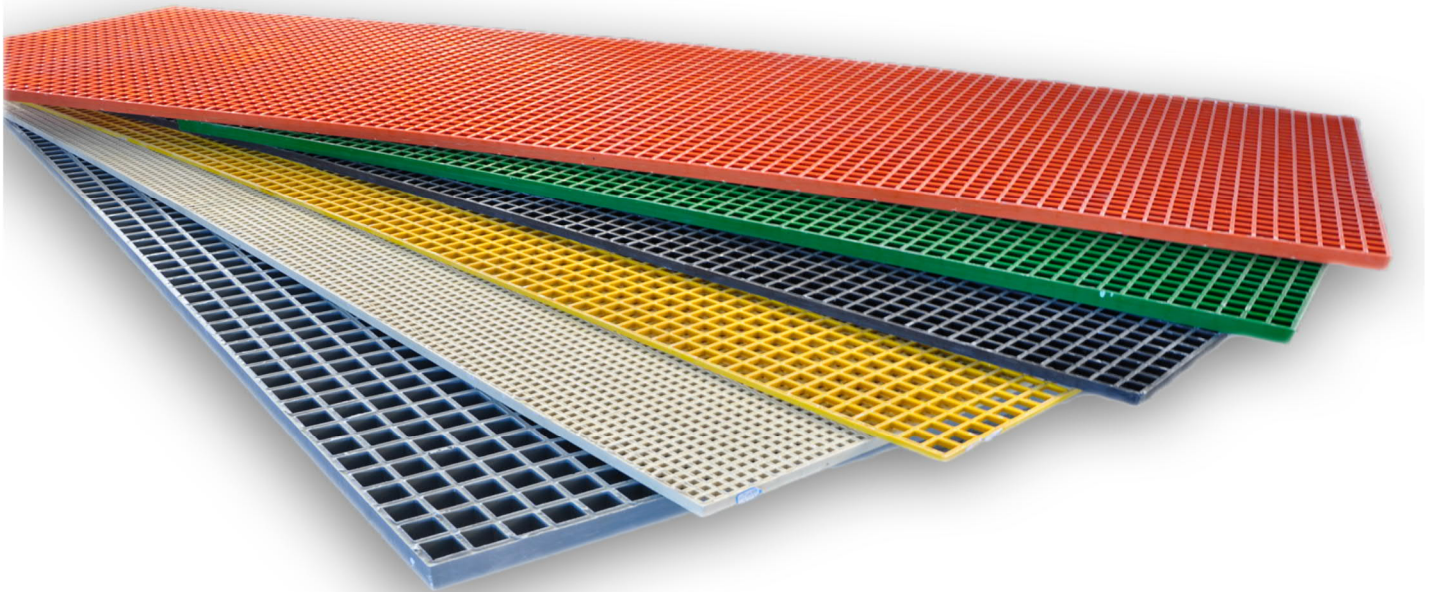




GRP AUSTRALIA

GFRP MOULDED GRATING



What is GRP Moulded Grating

GRP Moulded grating is a one piece grating panel manufactured in a heated mould using continuous glass fibre rovings and resin.

The grating is ideally suited for pontoons, walkways, flooring, screening, trench covers, stair treads and industrial and mining processing plants.

Benefits of GRP Moulded Grating

- **Anti Slip flooring**—The standard GRP Australia grating is supplied with a grit surface which has a P5 rating.
- **Corrosion Resistant**—Excellent corrosion resistance and available in several resin types to suit the application.
- **High strength to weight ratio.**
- **Fire Resistant**
- **Non-Magnetic and non-conductive**—Ideal for electrical areas.
- **Colours**- Available in a range of colours

Moulded Grating Product Codes

MG	38	25	G	-	IFR25
Type	Mesh	Thickness	Surface	-	Resin

Moulded Grating Stock

Moulded grating is available in a wide range of mesh types, mesh sizes, thicknesses and surface finishes.

Standard stock items are listed in the table below.

Contact GRP Australia for custom orders, including a full list of available grating panels.

Product Code	Colour	Nominal Sheet Size
MG1925FG-IFR25	Grey	1220 x 3660
MG1930G-IFR25	Grey	1220 x 3660
MG1930G-VER25	Grey	1220 x 3660
MG3825G-IFR25	Green	1220 x 3660
MG3838G-VER25	Green	1220 x 3660



Cost competitive



Non-corrosive & rot resistant



As strong as steel



Termite and vermin proof



High fire resistance



UV stabilised



Lightweight & easy to manoeuvre

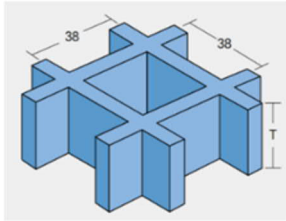


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GFRP MOULDED GRATING

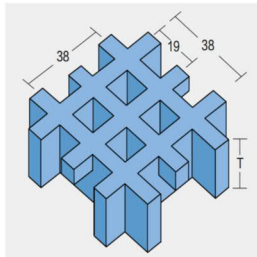
STOCK GRATING STYLE AND SIZE OPTIONS

Moulded Grating 38x38 Mesh



Product Code	Thickness (T)	Std. Panel Size ¹ (mm)	Weight (kg/m ²)	Std. Colour ²
MG3825	25	1220x3660	12.3	Green
MG3830	30	1220x3660	14.6	Green
MG3838	38	1220x3660	19.5	Green

Moulded Grating Mini Mesh 19x19 / 38x38



Product Code	Thickness (T)	Std. Panel Size ¹	Weight (kg/m ²)	Std. Colour ²
MG1925	25	1220x3660	16.8	Grey
MG1930	30	1220x3660	18.8	Grey
MG1938	38	1220x3660	23.5	Grey

- Alternative panel sizes are available for custom order. Standard panel sizes may be slightly larger than noted.
- Alternative colours available for custom orders.

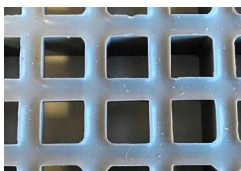
GRATING RESIN OPTIONS



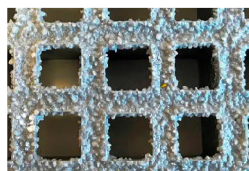
Resin Type	Resin Base	Corrosion resistance ³	Flame Spread Rating ASTM E84
VER25	Vinyl Ester	Excellent	Class1, 25 or Less
VER10	Vinyl Ester	Excellent	Class1, 10 or Less
IFR25	Isophthalic Polyester	Very Good	Class1, 25 or Less
IFR10	Isophthalic Polyester	Very Good	Class1, 10 or Less
MP5	Phenolic Resin	Good	Class1, 5 or Less

- Contact GRP Australia for more information on chemical resistance and the best choice of resins for the application.

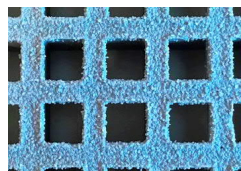
GRATING SURFACE FINISH OPTIONS



Concave



Standard Grit



Fine Grit



Diamond Plate



Grit Top Cover

Surface Finish	Description	Slip Resistance Rating to AS 4586-2013
Concave	Natural Finish with slight concave profile on load bars.	(Not tested)
Standard Grit	Standard non-slip grit surface.	P5
Fine Grit	A fine grit surface finish which requires the surface to be ground smooth to remove the concave finish before applying fine sand.	P5
Diamond Plate	Flat top plate with raised tread pattern to maximise grip.	P5



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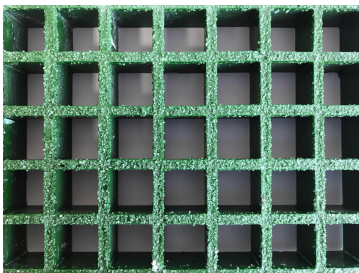
GFRP MOULDED GRATING

LOAD DEFLECTION TABLES

The primary consideration in the selection of GRP grating, particularly for walkways, is deflection rather than the ultimate strength. This is because even though GRP grating has a high ultimate strength it has a relatively low modulus of elasticity compared to steel and aluminium.

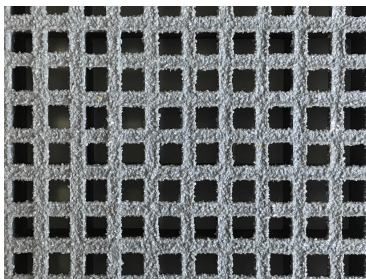
The following tables are maximum recommended design loads for a deflection of 5mm. Contact GRP Australia for more detailed load tables if required. A suitable safety factor has been applied to these figures.

38x38 Square Mesh



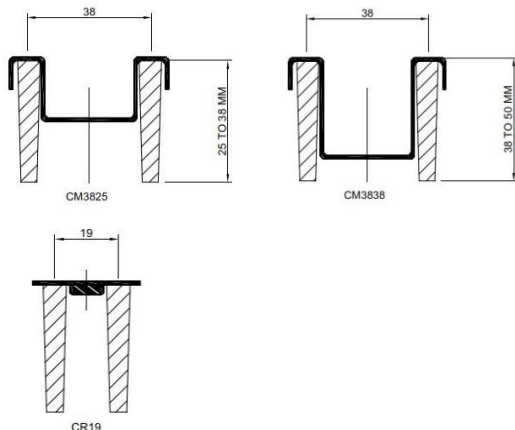
Code	Span(mm)	300	450	600	750	900	1200
MG3820	UDL (kPa)	64	10.7	3.5			
	Line Load (kN/m)	9.7	3	1.3			
MG3825	UDL (kPa)		11.8	7	2.9	1.4	
	Line Load (kN/m)		4.4	2.1	1.1	0.6	
MG3830	UDL (kPa)		14.6	6.5	3.2	1.9	
	Line Load (kN/m)		9.7	4.3	2	1.1	
MG3838	UDL (kPa)		26	18	9.3	4.6	1.3
	Line Load (kN/m)		7.4	3.9	2.7	2.7	1

Mini Mesh 19x19



Code	Span(mm)	450	600	750	900	1000	1200
MG1925	UDL (kPa)	23	9.9	3.3			
	Line Load (kN/m)	8	2	1			
MG1930	UDL (kPa)	41	17.2	5.8	5.1	1.6	
	Line Load (kN/m)	15.3	4.8	2.6	1.9		
MG1938	UDL (kPa)		31	12.5	6.2	3.5	
	Line Load (kN/m)		8.8	5	3.5	2.3	

GRATING INSTALLATION CLIPS



Product Code	Description	Material
CM3825	'M' Clip for 25 to 38 mm thick moulded grating, 38x38 mesh.	316ss
CM3838	'M' Clip for 38 to 50mm thick moulded grating, 38x38 mesh.	316ss
CR19	Round recessed clip for 19x19 Mini mesh	316ss