

Fiberglass (FRP) gratings

A.A.H. Plast Ltd. – walking gratings, stepping gratings and walkways for installation on facilities in the chemical industry, grating adapted for water reservoirs, stair treads, round containers, the food industry,

In agriculture as flooring for animals, marine environments, etc. Strong, high-quality fiberglass gratings are manufactured in a personally supervised and controlled process, which ensures extremely high standards at all stages of production.

A trellis manufactured in all sizes according to customer requirements, in a variety of thicknesses and colors.

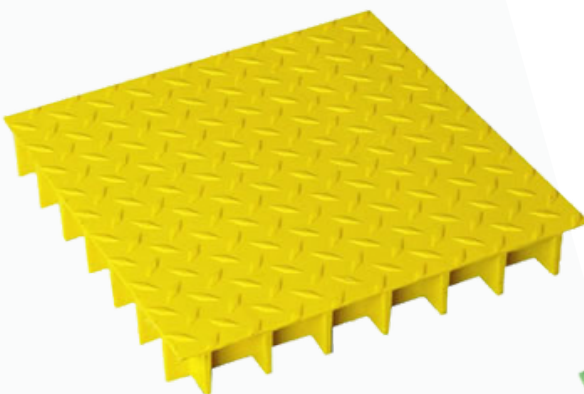
Compared to metal grating, fiberglass gratings are characterized by greater resistance to corrosive environments (corrosion) and a longer service life.

Advantages:

- Resistant to chemicals, water, salt water and sewage.
- Great strength compared to weight.
- Does not conduct electricity.
- No rust, no corrosion.
- There is no need to maintain a fiberglass trellis.
- Very low wear.
- Resistant to extreme heat/cold conditions.
- weight.

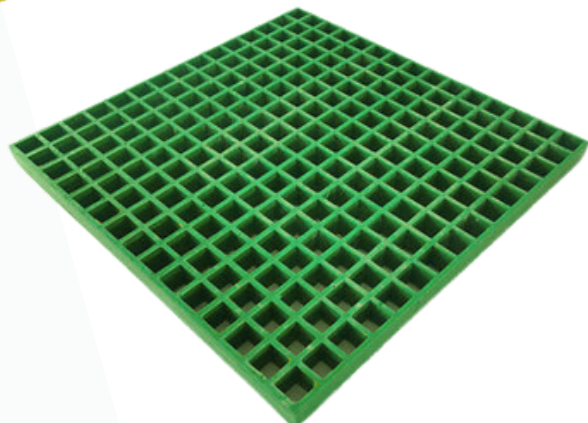
Closed lattice:

Available in 40 mm thickness



Open lattice:

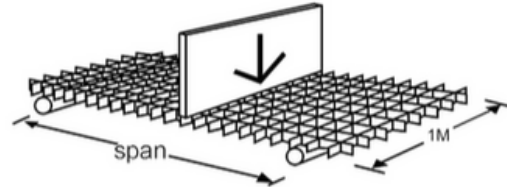
Available in thicknesses of 25, 38, 50 mm



Fiberglass (FRP) gratings

Load tables:

Roll molded grating load deflection tables



Concentrated line load—deflection in mm

38 × 38 × 25

	Bar thickness (Top /Bottom)
	6.4/5.0
	Distance between centers of bearing bars
	38
	Open Area
	68%
	Weight per square meter
	12.3 kg/m ²
Standard panel sizes: 1220x4010, 1220x3660, 1524x4010, 997x3012, 915x3050 Both directions	

Deflection Span (mm)	Kg/m						Break Point
	75	150	300	450	600	750	
450	0.559	1.146	2.159	3.073	4.115	4.75	3910
600	0.864	1.702	3.505	5.156	6.706	8.179	2924
900	2.896	5.918	12.116	18.44	---	---	1948
1200	5.715	111.633	---	---	---	---	1461

38 × 38 × 38

	Bar thickness (Top /Bottom)
	7.0/5.0
	Distance between centers of bearing bars
	38
	Open Area
	68%
	Weight per square meter
	19.5 kg/m ²
Standard panel sizes: 1220x4000, 1220x3660, 1220x2440, 915x3050, 1524x3050, 1524x4000, 1000x4000 Both directions	

Deflection Span (mm)	Kg/m						Break Point
	75	150	300	450	600	750	
300	0.279	0.356	0.483	0.61	0.762	0.889	17116
600	0.356	0.66	1.245	1.85	2.464	3.073	8718
900	0.864	1.803	3.683	5.563	7.417	9.296	5817
1200	2.261	4.749	9.677	14.63	19.583	---	3755
900	1.778	3.81	7.62	11.43	---	---	2637.3

50 × 50 × 50

	Bar thickness (Top /Bottom)
	8.0/6.0
	Distance between centers of bearing bars
	50
	Open Area
	78%
	Weight per square meter
	23.7 kg/m ²
Standard panel sizes: 1524x4000, 1220x3660 Both directions	

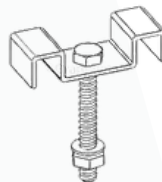
Deflection Span (mm)	Kg/m						Break Point
	75	150	300	450	600	750	
300	0.279	0.305	0.406	0.483	0.635	1.041	21727
600	0.356	0.508	0.813	1.128	1.753	3.327	11713
900	0.508	1.118	2.235	3.2	5.156	10.058	7780
1200	0.914	1.93	3.937	5.918	9.957	---	5834
900	1.778	3.81	7.62	11.43	---	---	2637.3

Connection accessories:

Made of 304/316 stainless steel



Connector C



Connector M



Connector J