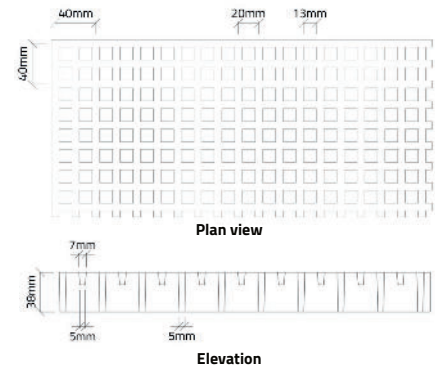
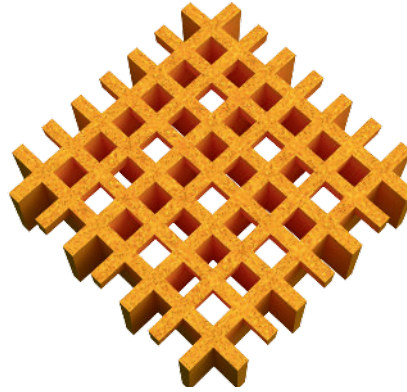


Supplies an extensive range of Fibreglass Reinforced Plastic (FRP) grating, stairtreads and trench lids in various panel sizes and thicknesses. This datasheet highlights the main product properties of the grating:

## Type: 38mm Deep X 20mm Square Mesh Grating

### Product specifications:

Product code:	MIN38YV
Panel size:	1247 x 3687 mm
Mesh size:	20 x 20 mm
Thickness:	38 mm
Resin type:	Vinyl Ester (VE)
Top surface:	Grit
Colour:	Yellow, RAL 1003
Open area:	42%
Weight grating panel:	108 kg
Surface area panel:	4.60 m <sup>2</sup>
Weight:	23.48 kg/m <sup>2</sup>
Slip rate:	P5
Recommended clips:	IFSD6 / IFCRC



PermaStruct® FRP Gratings are not limited to the colours, sizes and resin types and can be custom ordered in your preferred choice.

Dimensions may vary by ± 3mm due to manufacturing tolerances.

### Strength of FRP grating uniform loaded

Grating thickness 38 mm  
Meshes 20 x 20 mm

	Deflection in mm							
	500 mm	600 mm	700 mm	800 mm	900 mm	1000 mm	1100 mm	1200 mm
3 kPa	0.28	0.55	0.99	1.65	2.61	3.94	5.73	8.07
5 kPa	0.46	0.91	1.64	2.75	4.35	6.57	9.55	13.45

The loads represented are for STATIC LOAD CONDITIONS at ambient temperature.

### Chemical resistance list

Chemical environment	Concentration %	Temp in °C
Acetic acid	50	82
Aluminium hydroxide	All	82
Ammonium bicarbonate	All	52
Ammonium chloride	All	100
Ammonium sulphate	All	100
Aqueous ammonia	28	52
Benzene	No	
Benzoic acid	All	100
Chromic acid	20	38
Copper chloride	All	100
Copper cyanide	All	100
Ethylene glycol	100	100
Ferric chloride	All	100
Ferrous chloride	All	100
Gasoline	100	80
Glucose	100	100
Glycerine	100	100
Hydrobropic acid	25	93

Chemical environment	Concentration %	Temp in °C
Hydrochloric acid	<10	100
Hydrochloric acid	20	90
Hydrochloric acid	37	65
Kalium nitrate	100	100
Lactic acid	100	100
Manganese sulphate	All	100
Natrium hydroxide	10	65
Natrium hydroxide	25	65
Natrium hydroxide	50	60
Nitric acid	5	70
Phosphoric acid	85	100
Potassium dichromate	100	100
Potassium nitrate	All	100
Propylene glycol	100	100
Sulfuric acid	25	100
Water (fresh)	100	100
Vinegar	100	100
Zinc sulphate	All	100

"All" in the concentration column refers to concentrations from 0-99 in water.

"100" in the concentration column refers to concentrations of pure chemicals.

Although the greatest care was taken to compile this datasheet, all values and specifications are specifications of performance and are subject to verification by the production of certified test results of actual products manufactured pursuant to any order.

**HIGH STRENGTH. LIGHT WEIGHT. CORROSION RESISTANT. LONG LIFE**

