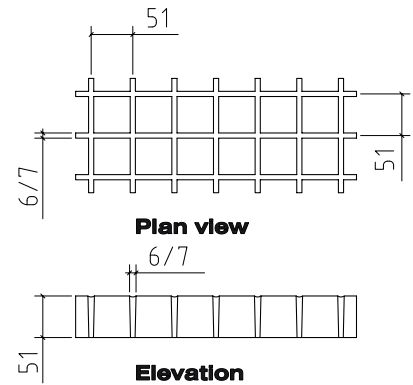
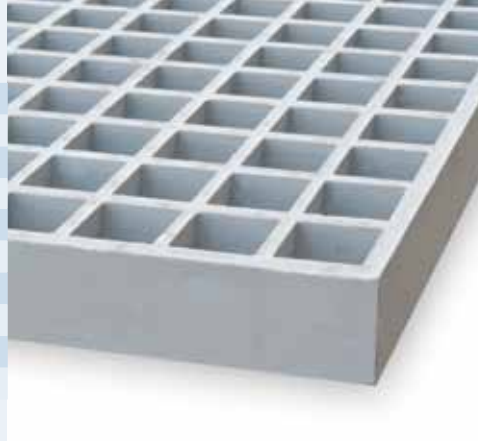


Supplies a wide range of Fibreglass Reinforced Plastic grating and stairtreads. The grating is available in various panel sizes and thicknesses. In this datasheet you will find the main product properties of the grating:

Type: R-53612-MGI5

Product specifications:

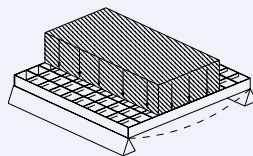
Product code:	R-53612-MGI5
Panel size:	3660 x 1220 mm
Mesh size:	50,8 x 50,8 mm
Thickness:	50 mm
Resin type:	Isophthalic polyester
Top surface:	Meniscus Top
Colour:	Grey, approximately RAL 7035
Weight grating panel:	88,2 kg
Surface area panel:	4,5 m ²
Weight:	19,6 kg/m ²



There are also various panel sizes available in the thicknesses: 13, 25, 30 and 38 mm.

Strength of FRP grating: uniform loaded

Grating thickness 50 mm
Meshes 50,8 x 50,8 mm



Net span in mm	Evenly distributed load in KN/m ²			Maximum recommended in KN/m ²	Failure load in KN/m ²
	2,5	5	10		
400	< 1	< 1	< 1	228	393
500	< 1	< 1	< 1	146	252
600	< 1	< 1	1	75	227
700	< 1	1	3	86	199
800	< 1	2	4	50	129
900	1	2	5	36	109
1000	2	4	9	33	97
1100	3	7	16	25	69
Deflection in mm					

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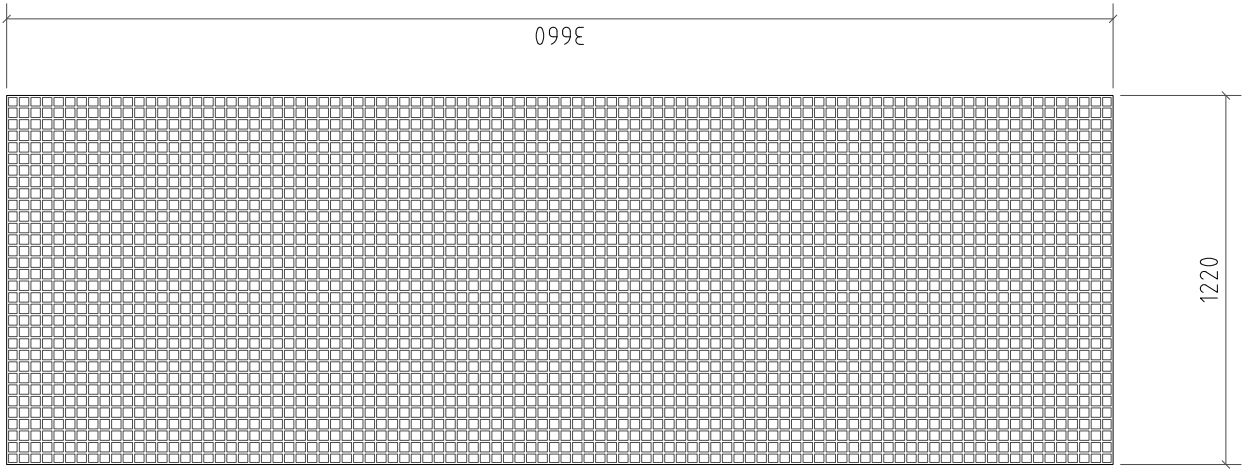
Chemical resistance list

Chemical environment	Concentration %	Temp in °C	ISO
Acetic acid	50	max	C
Alcohols	100	49	I
Ammonium salts-neutral	all	49	C
Ammonium salts-agressive	all	24	I
Chlorine dioxide	saturated	60	N
Chlorine water	saturated	49	I
Citric acid	all	max	C
Crude oil	all	max	C
Ferric chloride	100	max	C
Ferric salts	all	max	C
Fuel (diesel, jet, gasoline)	all	38	C
Hydrochlorid acid	10	max	S
Hydrochlorid acid	30	max	S
Hydrochlorid acid (concentrated)	all	≤83	N
Hydrofluoric acid	20	24	N
Hydrogen peroxide	30	24	N
Lactic acid	100	max	C
Nitric acid	20	49	S
Ozone for sewage treatment		38	C
Phosphoric acid	85	max	C
Phosphoric acid, super	115	max	I
Potassium salts	all	max	C
Sodium hydroxide	50	max	I
Sodium hydroxide	10	max	N
Sodium hypochlorite (stable)	10	38	S
Sodium salt neutral	all	max	C
Sodium sal aggressive	all	24	I
Sulfuric acid	50	max	S
Sulfuric acid	75	38	I
Water (fresh, salt, moderate)	100	max	C

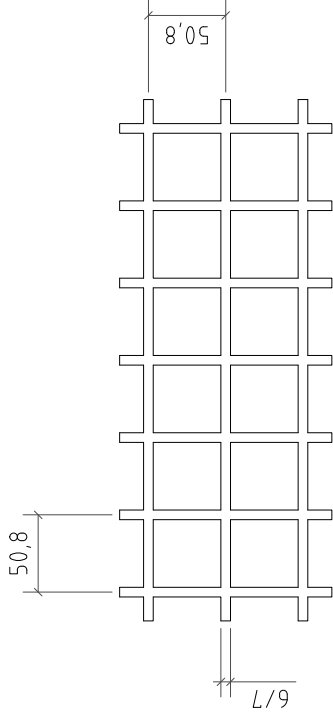
C = Continuous exposure of the grating to the chemical environment at the specified maximum temperature.
S = Frequent exposure of the grating to splashing and spillage of the chemical environment and temperature as stated in the list.

I = Infrequent exposure of the grating to splashing and spillage of the chemical environment and temperature as stated in the list, and the substances removed from/washed off the grating straight away.

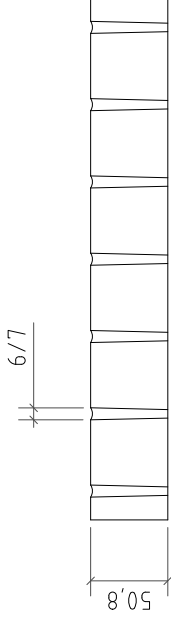
N = Not recommended in the concentrations and temperatures as stated in the list.



Plan view grating



Plan view



Elevation

Grating size: 3660x1220
 Grating height: 50,8
 Square Mesh: 50,8x50,8
 Weight / m²: 19,6 kg
 Weight per plate: 88,2 kg

Product number:
 R-53612-MGI5

Drawer: WM
 Date:
 Scale:

FlexxGon

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