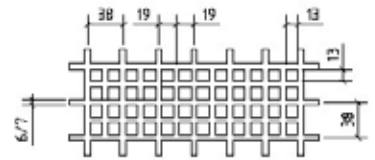


Supplies a wide range of Fibreglass Reinforced Plastic grating and stairtreads. The grating is available in various panel sizes and thicknesses. In this datasheet you will find the main product properties of the grating:

## Type: R-43612-MG11

### Product specifications:

Product code:	R-43612-MG11
Panel size:	3660 x 1220 mm
Mesh size:	19 x 19 mm
Thickness:	38 mm
Resin type:	Isophthalic polyester
Top surface:	Meniscus Top
Colour:	Grey, approximately RAL 7035
Weight grating panel:	99 kg
Surface area panel:	4,5 m <sup>2</sup>
Weight:	22,0 kg/m <sup>2</sup>



Plan view

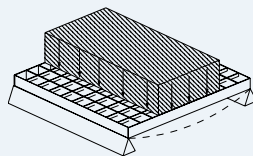


Elevation

On request, this grating is available in various thicknesses, panel sizes and mesh sizes.

### Strength of FRP grating: uniform loaded

Grating thickness 38 mm  
Meshes 19 x 19 mm



Net span in mm	Evenly distributed load in KN/m <sup>2</sup>			Maximum recommended in KN/m <sup>2</sup>	Failure load in KN/m <sup>2</sup>
	2,5	5	10		
400	< 1	< 1	< 1	66	524
500	< 1	< 1	1	46	368
600	< 1	1	2	34	269
700	1	2	4	26	208
800	2	3	7	21	166
900	3	5	11	17	135
1000	4	8	16	14	112
1100	6	11	22	12	95
	Deflection in mm				

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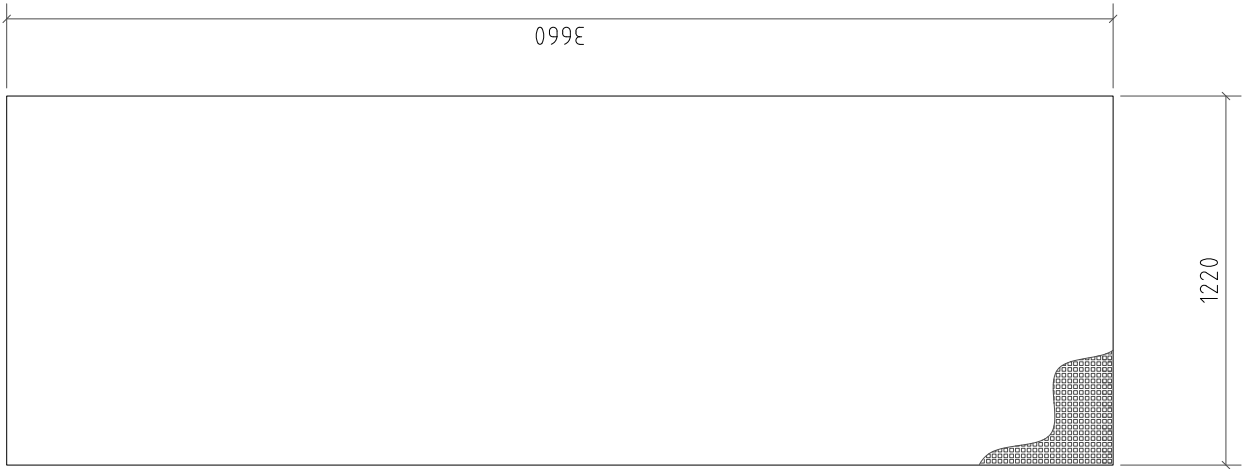
### Chemical resistance list

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

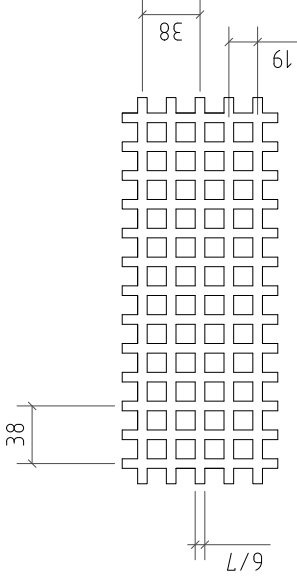
C = Continuous exposure of the grating to the chemical environment at the specified maximum temperature.  
S = Frequent exposure of the grating to splashing and spillage of the chemical environment and temperature as stated in the list.

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.

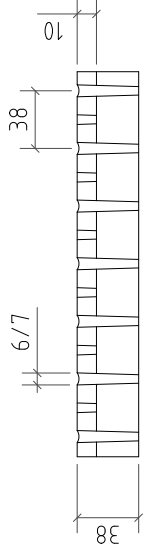
N = Not recommended in the concentrations and temperatures as stated in the list.



**Plan view grating**



**Plan view**



**Elevation**

Grating size: 3660x1220	Product number: R-43612-MG11
Grating height: 38	Drawer: WM
Square Mesh: 19x19	Date:
Weight / m <sup>2</sup> : 22,5 kg	Schale:
Weight per plate: 99 kg	

**FlexxGon**

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