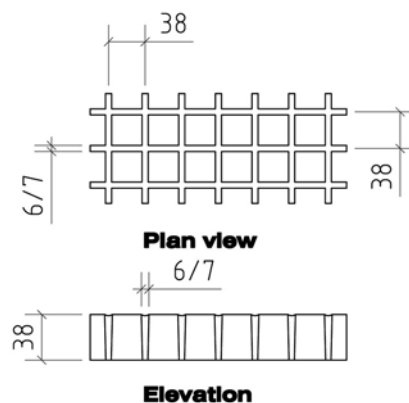


Supplies a wide range of Fibreglass Reinforced Plastic grating and stairtreads. The grating is available in various panel sizes and thicknesses. In this datasheet you will find the main product properties of the grating:

Type: R-43612-MGI3

Product specifications:

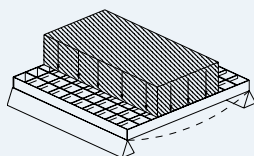
| | |
|-----------------------|------------------------------|
| Product code: | R-43612-MGI3 |
| Panel size: | 3660 x 1220 mm |
| Mesh size: | 38 x 38 mm |
| Thickness: | 38 mm |
| Resin type: | Isophthalic polyester |
| Top surface: | Meniscus Top |
| Colour: | Grey, approximately RAL 7035 |
| Weight grating panel: | 81,5 kg |
| Surface area panel: | 4,5 m ² |
| Weight: | 18,1 kg/m ² |



Grating of this thickness is also standard available in 2000 x 1000 mm, 3000 x 1000 mm, 2440 x 1220 mm, 3048 x 915 mm and 3048 x 1524 mm. Furthermore, various panel sizes are available in the thicknesses 13, 25, 30 and 50 mm. This type of grating is also available in green, blue and yellow.

Strength of FRP grating: uniform loaded

Grating thickness 38 mm
Meshes 38 x 38 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 | 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 | | | | |

www.flexxcon.com

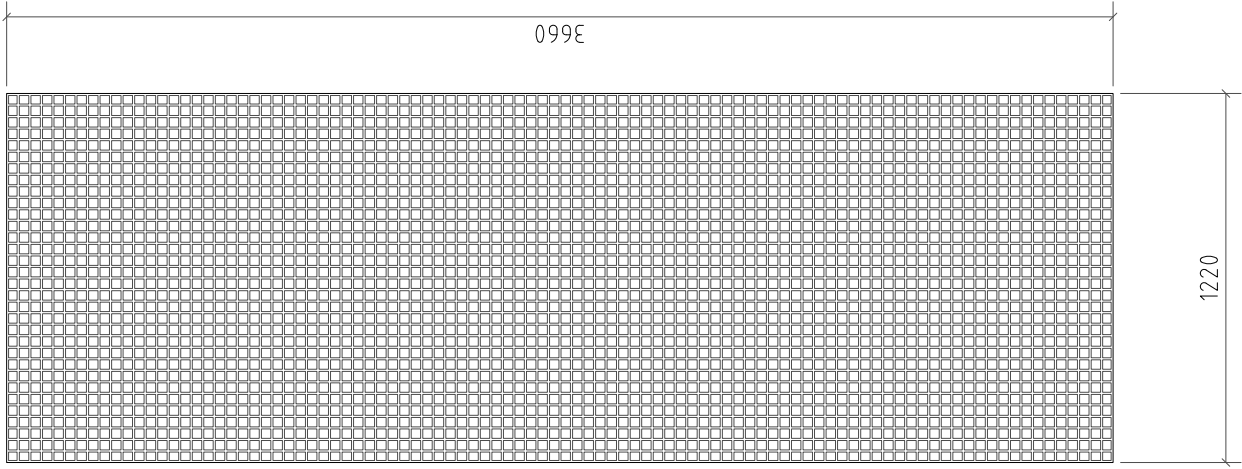
Chemical resistance list

| 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 |

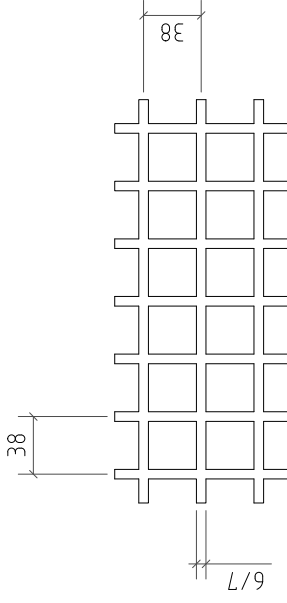
C = Continuous exposure of the grating to the chemical environment at the specified maximum temperature.
S = Frequent exposure of the grating to splashing and spillage of the chemical environment and temperature as stated in the list.

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.

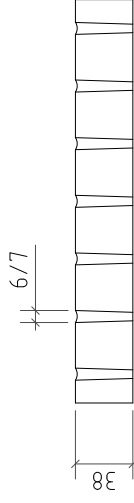
N = Not recommended in the concentrations and temperatures as stated in the list.



Plan view grating



Plan view



Elevation

| | |
|-----------------------------------|------------------------------|
| Grating size: 3660x1220 | Product number: R-43612-MGI3 |
| Grating height: 38 | Drawer: WM |
| Square Mesh: 38x38 | Date: |
| Weight / m ² : 18,1 kg | Schale: |
| Weight per plate: 81,5 kg | |

P.O. Box 1761
 3800 BT Amersfoort
 The Netherlands
 Tel: 0031 (0)33-4556696
 Fax: 0031 (0)33-4553295

Workshop / Warehouse:
 Parallelweg 74
 7161 AG Neede
 The Netherlands