



FULL RANGE



PRESS-LOCKED STEEL, STAINLESS STEEL, ALUMINIUM OR CORTEN

APPLICATIONS: industrial floors, safety railings, visual and sun screens, cladding, etc.

TREATMENTS: raw, galvanized or powder-coated steel; raw, pickled, passivated or electropolished stainless steel; raw, anodised or powder-coated aluminium. Corten.

WIDE RANGE: all types of standard, safety or PRM (Person with Reduced Mobility) meshes. Bearer bars from 20 / 2 to 140 / 8. Serration available.



PRESS-WELDED STEEL OR STAINLESS STEEL

APPLICATION: industrial floors.

TREATMENTS: raw, galvanized or powder-coated steel; raw, pickled, passivated or electropolished stainless steel.

WIDE RANGE: standard, safety or PRM (Person with Reduced Mobility) meshes. Bearer bars from 25 / 2 to 60 / 5. Serration available.



FRP / POLYESTER

APPLICATION: industrial floors at high risk of corrosion or chemical attack.

TREATMENTS: concave, gritted or filled.

WIDE RANGE: meshes 19 x 19 mm, 26 x 26 mm, 38 x 38 mm or 50 x 50 mm. Standard colours grey (RAL 7035), green (RAL 6010), anthracite (RAL 7012), beige (RAL 1001) and orange (RAL 2002). Other colours on request.



SAFETY GRIDS STEEL, STAINLESS STEEL OR ALUMINIUM

APPLICATION: industrial floors.

TREATMENTS: raw, galvanized or powder-coated steel; raw, pickled, passivated or electropolished stainless steel; raw, anodised or powder-coated aluminium.

WIDE RANGE: various patterns available. Made-to-measure sizes available. Height 40, 50, 75 or 100 mm. Thickness 2 or 2.5 mm.

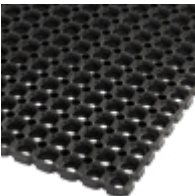


LOUVRED GRATING STEEL, STAINLESS STEEL OR ALUMINIUM

APPLICATIONS: industrial floors, visual and sun screens.

TREATMENTS: raw, galvanized or powder-coated steel; raw, pickled, passivated or electropolished stainless steel; raw, anodised or powder-coated aluminium.

WIDE RANGE: different types of meshes and thicknesses available.



RUBBER **GEI RUBBER**

APPLICATIONS: building entrances, gateways, stairs, access roads, production lines, ski resorts, etc.

WIDE RANGE: standard and PRM (Person with Reduced Mobility).

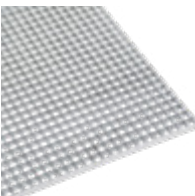


STAIR TREADS STEEL, STAINLESS STEEL, ALUMINIUM OR CORTEN

APPLICATIONS: industrial and architectural staircases.

TREATMENTS: raw, galvanized or powder-coated steel; raw, pickled, passivated or electropolished stainless steel; raw, anodised or powder-coated aluminium. Corten.

WIDE RANGE: standard and PRM (Person with Reduced Mobility).



FULL GRATING STEEL, STAINLESS STEEL OR ALUMINIUM

APPLICATIONS: industrial floors, filling of guard rails, sun screens.

TREATMENTS: raw, galvanized or powder-coated steel.

WIDE RANGE: different types of meshes and bearer bars available.

SPIRAL STAIRCASES ON REQUEST ONLY



ALL OUR FRP GRATINGS COMPLY WITH THE **REACH STANDARD** ADOPTED TO PROTECT HUMAN HEALTH AND THE ENVIRONMENT AGAINST THE RISKS RELATED TO CHEMICAL SUBSTANCES.



DELIVERY IN 48/72 HOURS FOR ANY ORDER PLACED BEFORE 10 AM

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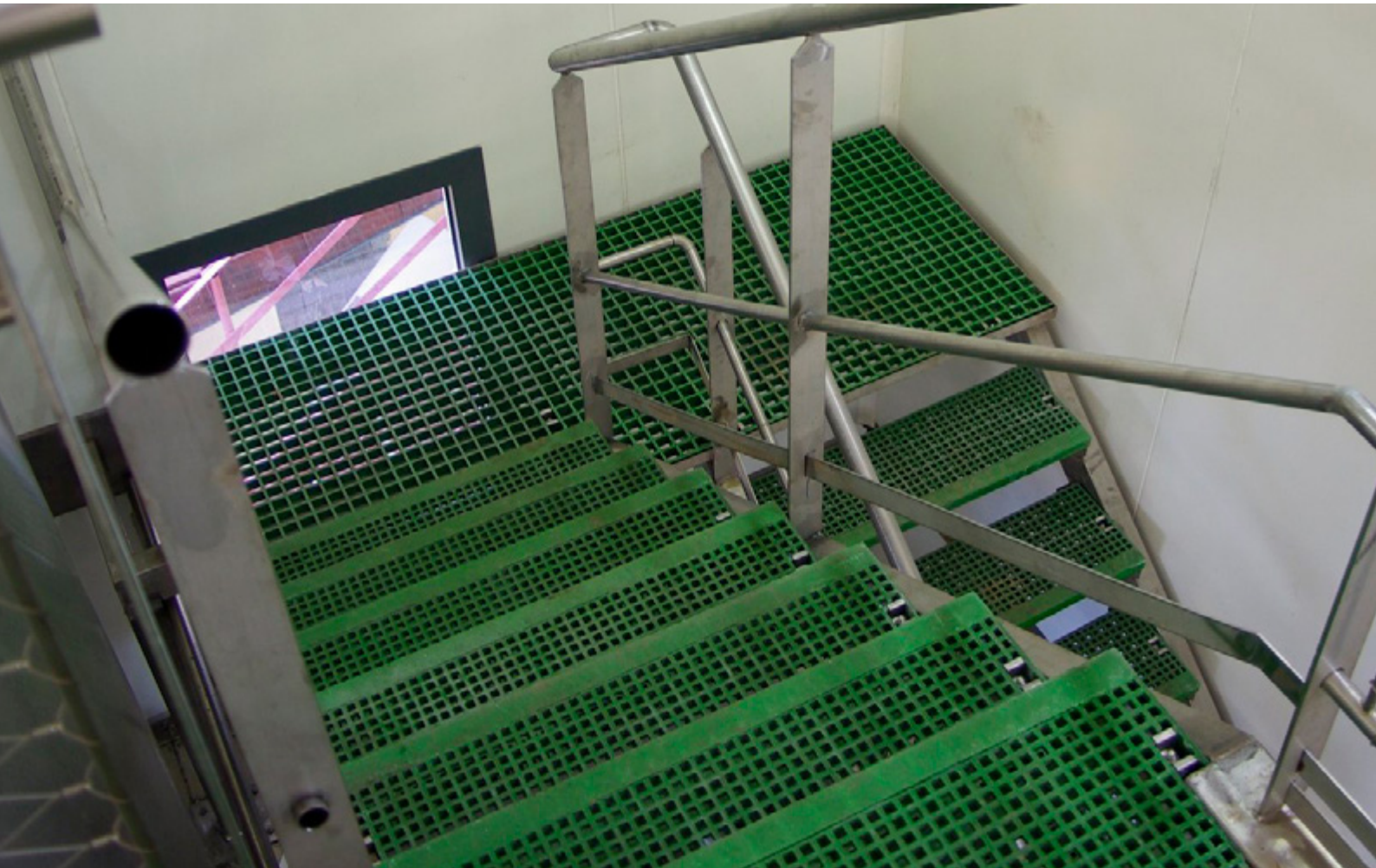
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CUSTOM-MADE MANUFACTURING AND ONE OF THE LARGEST STOCKS OF GRATINGS IN EUROPE

As well as custom-made products drafted by our design office according to your plans and specifications, **GEI** carries a large stock of standard gratings in steel, stainless steel, aluminium, FRP (mats, stair treads), rubber and safety grids. Always attentive to your delivery requirements, responsiveness is one of our core values.

This is why you can benefit from our express service for shipment of our in-stock products on the same day for any order placed before 10 am. Being responsive, ensuring the availability of our products and their timely delivery is our everyday challenge for ensuring your entire satisfaction.



AN IN-HOUSE DESIGN DEPARTMENT

Made-to-measure is one of **GEI's** strengths. Our design department technicians, fully integrated within the company, are on hand to deal with your technical requests and layout drawings, and can advise you in collaboration with our sales department. Specially trained in computer-aided design software, our industrial designers can draw up calculation reports and model your projects, finding the best solution to your most specific requirements and needs, in industry and construction alike.



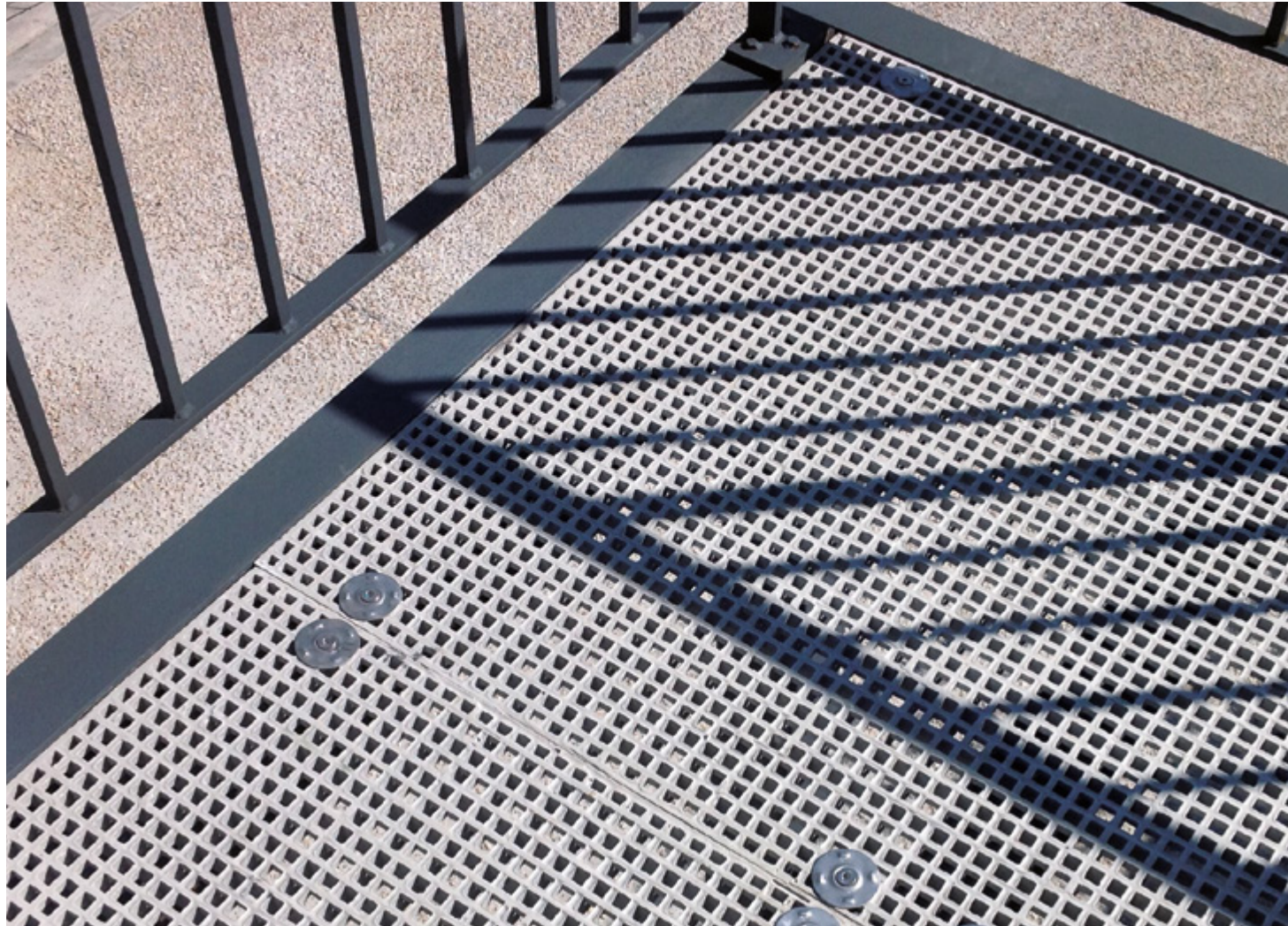
A SALES TEAM CLOSE TO YOU

GEI has sedentary and itinerant salespeople, who will be by your side to take note of your needs and requirements, advise you and offer you the best solution at the best price. Our dynamic, professional sales team is based in your area, so that we can be even closer to you and respond quickly to your needs. In collaboration with our design department, our teams of grating professionals will be your privileged contacts to support you in your projects, from initial contact through to completion.

A TEAM OF EXPERIENCED PROFESSIONALS FROM PROJECT PLANNING TO COMPLETION

GEI is a guarantee of quality and service, from the design to the realization of your projects. Our products are manufactured on high-performance production lines with cutting-edge technology. Our sales department, in collaboration with our design department, studies your needs, advises you and recommends the best solution. After manufacture, all our products undergo a double quality and quantity control to ensure optimum quality. Because being a specialist in gratings means preparing for the future, we innovate and support the development of your projects. This support is also provided by our logistics department, which does everything in its power to ensure that your orders are delivered as quickly as possible. **GEI** also guarantees after-sales service to answer your questions and ensure your complete satisfaction.

GEI, a team of professionals at your service.



With a toughness that is proving popular within the industrial and public sectors, GEI-FIB FRP grating has many advantages.

- Fire resistant
- Easy to cut
- Load-bearing in both directions
- Resistant to corrosion, weathering and UV light
- Very good chemical resistance
- No electrical conductivity
- Low thermal conductivity
- Concave or gritted R13 in accordance with BGR 181 and DIN 51130 standards
- Easy assembly with specially designed clamps available in stock
- Fast delivery of custom-made products as well as those already in stock

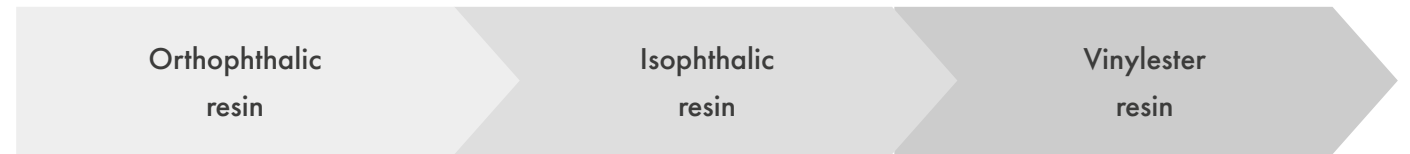
METHOD OF MANUFACTURE

Moulded FRP grating is manufactured from fibreglass-reinforced resin. It is composed of 65% resin for its chemical and UV resistance and is composed of 35% fibreglass for increased mechanical strength. GEI has 3 types of resin on offer with different degrees of resistance to chemical corrosion.



FRP GRATING

DEGREE OF CHEMICAL RESISTANCE



Orthophthalic
resin

Isophthalic
resin

Vinylester
resin

TYPES OF RESIN

ISOPHTHALIC RESIN

GEI isophthalic resin moulded FRP grating is fire retardant and resistant to corrosion and chemicals.

Standard dimensions: 1000 x 2026 mm.
1000 x 3055 mm.
1220 x 3055 mm.

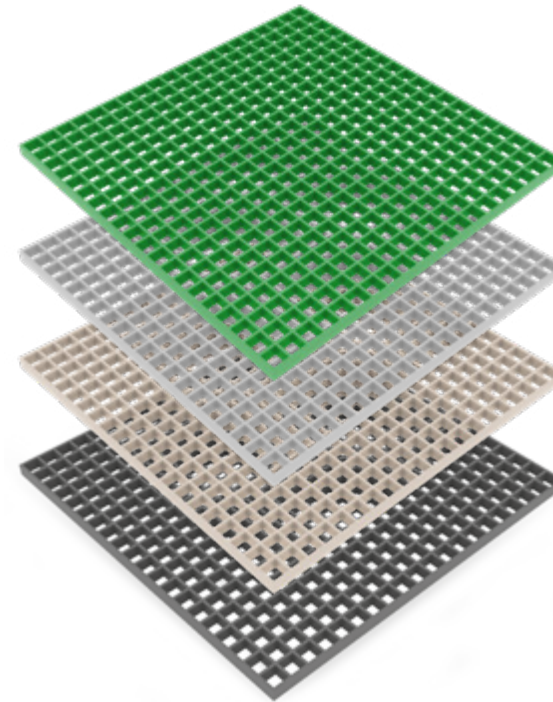
Meshes: 19 x 19 ; 26 x 26 ; 38 x 38 ; 50 x 50.

Bearing bars standard dimensions: 20/7 ; 25/7 ; 30/7 ; 38/7 and 50/7 mm.

Standard colors: RAL 7035 grey.
RAL 6010 green.
RAL 1001 beige.
NEW RAL 7012 anthracite.

Finishes: Concave, gritted or full gritted surface.

Custom-made manufacture possible based on the dimensions and / or plans supplied by the customer.



VINYLESTER RESIN

GEI vinylester resin moulded FRP grating is used in cases where chemical aggressions are the most restrictive (concentrations, temperatures).

Standard dimensions: 1000 x 2026 mm.

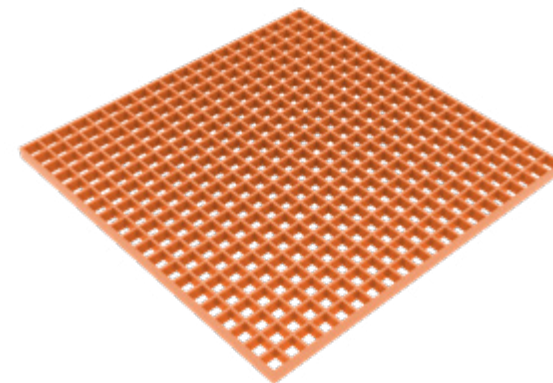
Meshes: 19 x 19 ; 38 x 38.

Bearing bars standard dimensions: 30/7.

Standard colors: RAL 2002 orange.

Finishes: Concave.

Custom manufacture possible based on the dimensions and / or plans supplied by the customer.



ORTHOPHTHALIC RESIN

Orthophthalic resin moulded FRP grating is resistant to a wide range of chemicals.

Only custom-made manufacture based on the dimensions and / or plans supplied by the customer.

GENERAL TECHNICAL SPECIFICATIONS

MESH SPACING

GEI has a range of FRP gratings with different mesh types on offer:

■ Standard meshes: 38 x 38 - 26 x 26 - 50 x 50.

■ Safety mesh: 19 x 19.

Other meshes on demand.

BEARING BARS

Standard dimensions: 20/7 ; 25/7 ; 30/7 ; 38/7 ; 50/7 mm.

Other BB on demand.

STANDARD PANEL DIMENSIONS

1000 x 2026 mm.

1000 x 3055 mm.

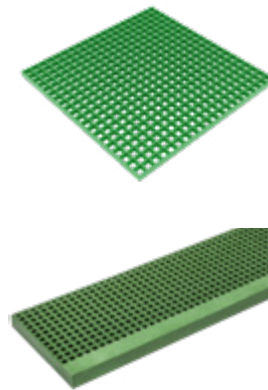
1220 x 3055 mm.

STANDARD DIMENSIONS STAIR TREADS WITH GRITTED FRONT EDGE

800 x 275 mm.

1000 x 275 mm.

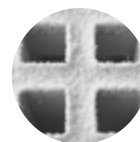
1000 x 350 mm.



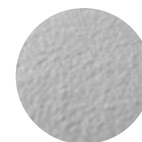
FINISHES



Concave



Gritted



Full gritted surface



Full chequer surface

Other finishes on demand.

FINISHED PRODUCTS

We stock mats, stair treads and stair rails which are easy to assemble on site.

Custom manufacture possible based on the dimensions and/or plans supplied by the customer.



Cutting bench



Made to measure

COLORS



Other RAL colours available for special manufacture.

GEI ALSO OFFERS A RANGE OF ACCESSORIES AND SPECIAL FASTENING SYSTEMS FOR FRP GRATINGS.



316 stainless steel clamp
with 19 x 19 mesh washer.
In stock.



316 stainless steel clamp
with 38 x 38 mesh pin.
In stock.



316 stainless steel stair support
for 38 x 38 and 19 x 19 mesh.
A left and a right one.
In stock.

ACCESSORIES



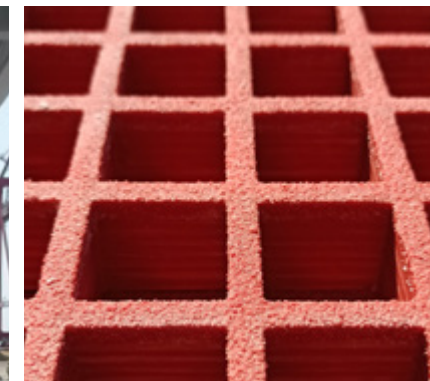
Adjustable foot
Dimensions of insert: 35 x 35 mm.
Thickness of insert: 20 mm.
Height of foot: 40 or 70 mm.
In stock.



FRP angle
Standard length: 3000 mm.
Dimensions : 30 x 30 x 5 mm and 50 x 50 x 6 mm.
Can be cut to size.
In stock.



FRP beveled angle
Standard length: 3000 mm.
Dimensions: 25 x 50 x 5 mm.
Can be cut to size.
In stock.



FIELDS OF APPLICATION

- Food industry
- Paper and cellulose industry
- Pharmaceutical industry
- Plastics industry
- Fiber and textile industry
- Automobile and aircraft construction
- Offshore installation
- Sewage treatment plants
- Navy and shipbuilding
- Transportation
- Pickling and galvanizing plant
- Petrochemical industry
- Platforms, floors and gangways
- Steps
- Ramp
- Production line
- Sewer, pit and shaft lining
- Duct lining
- Danger zone indication
- Washing station
- Raw chemical storage
- Waterproofing
- Etc.

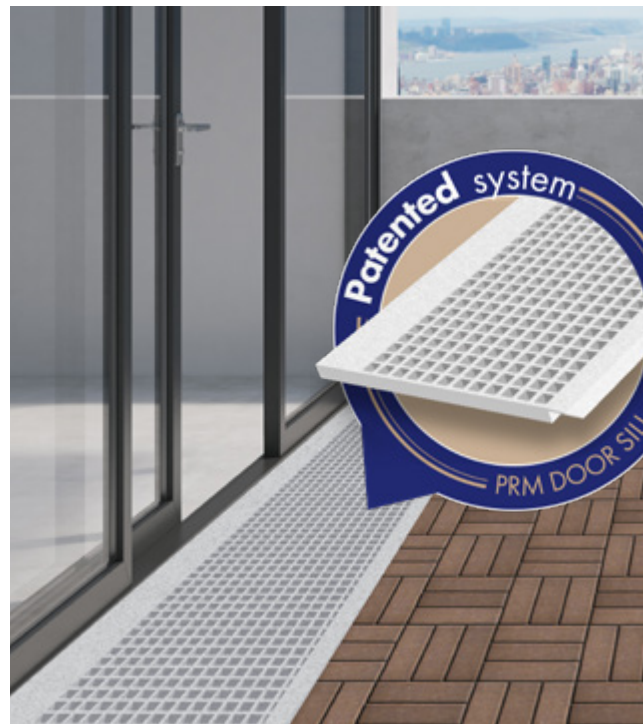


FRP GRATING

WITH INCORPORATED ANGLE



Thanks to the GEI concept,
easily ensure accessibility
for people with reduced
mobility (PRM).



Standard dimensions: 203 x 2026 mm.
203 x 3055 mm.
261 x 2026 mm.
261 x 3055 mm.
317 x 2026 mm.
317 x 3055 mm.

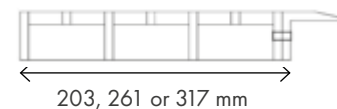
Mesh: 19 x 19.

Bearing bars standard dimensions: 25/7.

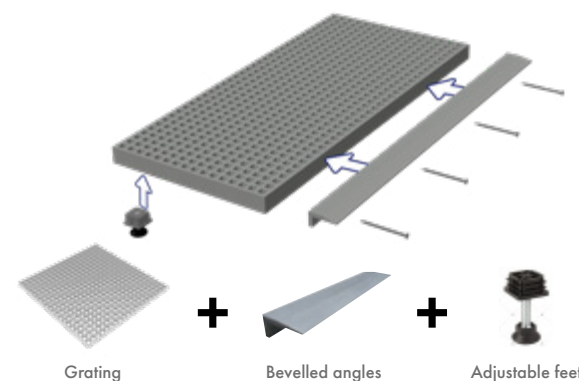
Standard colors: RAL 7035 grey.

Finishes: gritted.

- Benefits:**
- Integrated angle.
 - Solid surface that does not let through light.
 - Easy cutting on the site.
 - Lightweight
 - UV resistant
 - Fire resistant
 - Different dimensions available in stock.



Also available in
ready-to-assemble kit



Components of the assembly kit available in stock.

FRP STAIR TREADS

STANDARD STAIR TREADS

GEI offers you moulded FRP stair treads for your stairs.

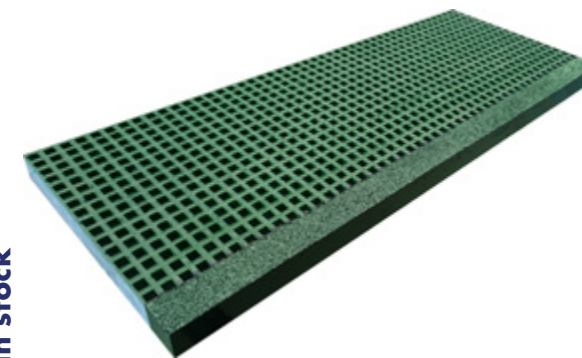
Standard dimensions: 800 x 275 mm.
1000 x 275 mm.
1000 x 350 mm.

Meshes: 19 x 19 ; 38 x 38.

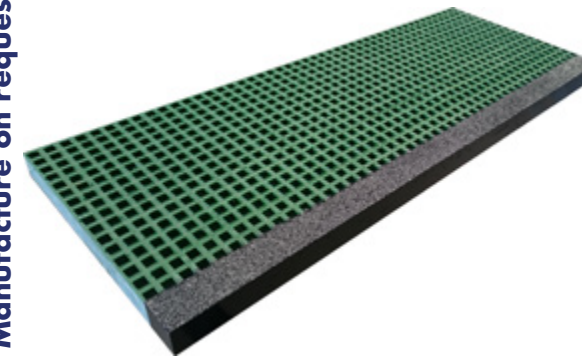
Standard colors: RAL 6010 green.
RAL 7035 grey.

Finish: Concave with gritted front edge.
In stock.

In stock



Manufacture on request



STAIR TREADS WITH CONTRASTED FRONT EDGE

To meet the requirements of some customers, GEI offers you moulded FRP steps with a contrasted front edge.

Standard dimensions: 800 x 275 mm.
1000 x 275 mm.
1000 x 350 mm.

Mesh: 19 x 19.

Standard colors: RAL 6010 green.
RAL 7035 grey.

Standard colors (contrasted front edge): black.

Other colors, contact us.

Finish: Concave with gritted contrasted front edge.
Manufacture on request.

STAIR TREADS COVERINGS

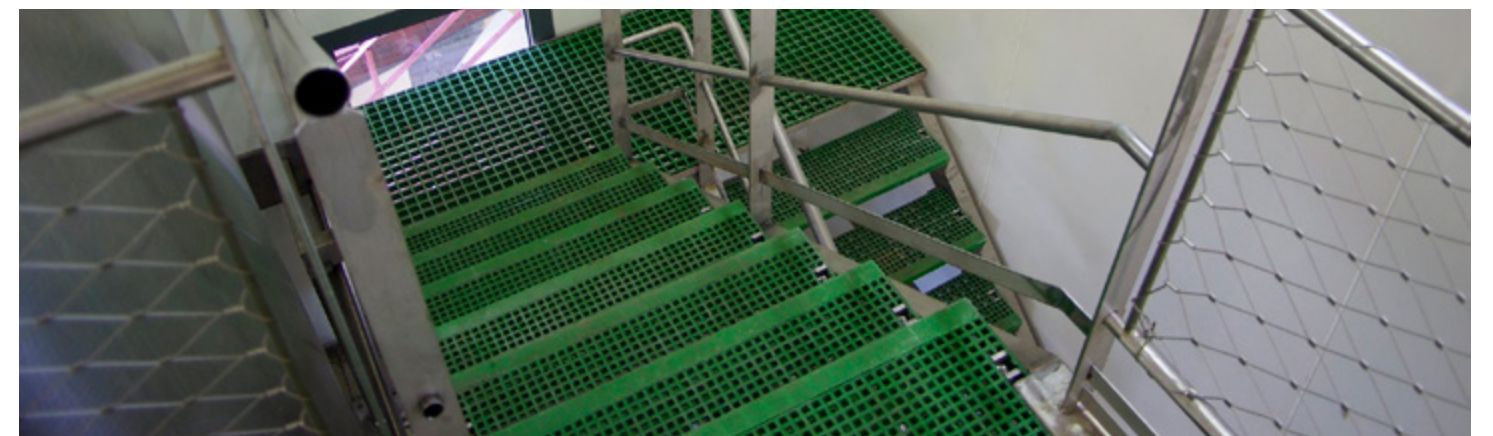
Designed to cover existing stair treads in order to make them anti-slip, GEI offers you FRP stair tread coverings with a contrasted surface and contrasted front edge.

Standard dimensions: 250 x 45 x 3 mm.

Standard length: 3660 mm.

Standard colors: following RAL.

Finish: Full gritted surface.
Other dimensions on demand.



FRP GRATING

SPECIAL FINISHES



TRANSPARENT GRATING

The GEI transparent moulded FRP grating is very popular in the architectural sector for its aesthetic appearance. Possessing the same characteristics as the traditional moulded FRP grating, it has the advantage of letting light through.

Custom manufacture possible based on the dimensions and / or plans supplied by the customer.



PULTRUDED FRP GRATING

The GEI pultruded FRP grating is manufactured in compliance with current standards. It consists of a mechanical assembly of rectangular profiles and rods. Unlike moulded FRP grating, it is load-bearing in one direction and is mainly used to support heavy loads. Just like the moulded FRP grating, GEI offers 3 types of resin (orthophthalic, isophthalic and vinylester) for the pultruded FRP grating according to resistance to chemical attacks.

Custom manufacture possible based on the dimensions and / or plans supplied by the customer.



FULL PLATES

The GEI full FRP plates are designed to be installed on existing floors.

Standard dimensions: 1000 x 2026 mm.
1000 x 3055 mm.
1220 x 3055 mm.

Standard colors: RAL 6010 green.
RAL 7035 grey.

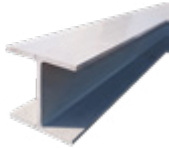
Standard thickness: 3 mm.

Finish: gritted.

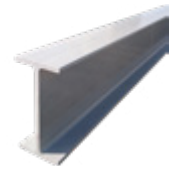
Other dimensions, colors and thicknesses on request.



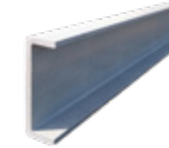
FRP PROFILES



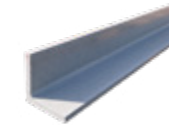
	Dimensions in mm*	Length in mm
H shapes	100 x 100 x 6	6000
	200 x 200 x 12	6000



	Dimensions in mm*	Length in mm
I shapes	100 x 50 x 8	6000
	150 x 75 x 9,5	6000
	150 x 100 x 8	3000
	200 x 100 x 9,5	6000



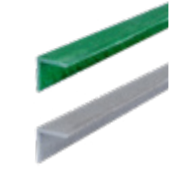
	Dimensions in mm*	Length in mm
U shapes	100 x 50 x 6,5	6000
	150 x 50 x 6,5	6000
	200 x 60 x 10	6000



	Dimensions in mm*	Length in mm
Standard angles	30 x 30 x 5	3000
	50 x 50 x 6	3000
	75 x 75 x 9	6000
	100 x 100 x 9,5	6000



	Dimensions in mm*	Length in mm
Bevelled angle	25 x 50 x 5	3000



	Dimensions in mm*	Length in mm
Gritted angle	30 x 30 x 3	3000



	Dimensions in mm*	Length in mm
Square tubes	50 x 50 x 5	6000
	100 x 100 x 6,5	6000

* Please enquire for exact dimensions.

FRP RAILINGS

GEI resin railings protect users, while offering high resistance to chemicals and high temperature.

In order to keep users safe, GEI offers railing profiles made in resin. Such railings are mainly used to protect industrial walkways and are fitted with a hand rail, one or more intermediate rails and vertical posts. Installation by the customer; see the stock programme.



**Conditions according to our recommendations; please enquire. More information on request.*



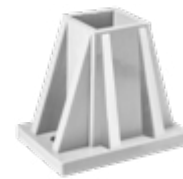
Colour of assembly: Grey RAL 7035

HAND RAIL
L 6000 x W 58 x H 62 mm

UNDER RAIL
L 6000 mm
Inner Ø 22 mm
Outer Ø 32 mm

BASE PANEL
L 6000 x W 100 mm

POST
Length: 6000 mm
Dimensions (W x H x thickness):
50 x 50 x 7.5 mm



FLOOR BASE
Fastened to the floor
L 153 x W 126 x H 133 mm



WALL MOUNT
Fastened to the wall
L 170 x W 60 x H 120 mm



90° BEND FITTING FOR HAND RAIL
L 150 x 150 mm
W 49 x H 40 mm



90° BEND FITTING FOR UNDER RAIL
L 105 x 105 mm
Inner Ø 21.7 - Outer Ø 30 mm



ARTICULATED FITTING FOR HAND RAIL
L 50 x W 50 x H 143 mm



FITTING FOR BASE PANEL
L 100 x W 50 x H 50 -
thickness 6 mm



PLUG FOR HAND RAIL
L 6 x W 60 x H 63 mm



PLUG FOR UNDER RAIL
L 14 mm
Inner Ø 22 - Outer Ø 35 mm



TECHNICAL GUIDE

 CHEMICAL RESISTANCE GUIDE	P.16-17
 WEIGHT OF FRP GRATINGS AND STAIR TREADS	P.17
 THEORETICAL TABLE OF LEVELLED DIMENSIONS	P.18
 LOAD TABLES	P.19



CHEMICAL RESISTANCE GUIDE

- ⚠ Not recommended
- Punctual exposures by splashing cleaned immediately
- Frequent exposures by splashing
- Continuous exhibition

MAX = Maximum temperature supported by the grating (82 °C for vinylester and 75 °C for isophthalic)
SAT = Saturated solution

Chemical environment	Formula	Concentration (in %)	Temperature (in °C)	Isophthalic resin	Vinylester resin
Acetic Acid	CH3COOH	50	MAX	●●●	●●●
Acetone	CH3COCH3	100	24	●	●●
Alcohols	General	100	49	●	●●●
Alum	Al2(SO4)3	-	MAX	●●●	●●●
Aluminium Chloride	AlCl3	-	MAX	●●●	●●●
Aluminium Fluoride	Al(OH)3	20	24	●	●●●
Ammonium Hydroxide	NH4OH	30	24	⚠	●●●
Ammonium Saltz Neutral	General	-	49	●●●	●●●
Ammonium Saltz Agressive	General	-	24	●	●●
Aromatic Solvents	General	-	24	⚠	Suggested test
Barium Salts	General	-	MAX	●●●	●●●
Benzene	C6H6	100	60	●	●
Black or White Liquor	HCN	-	MAX	●	●●●
Green Liquor	NaOCl	-	MAX	⚠	●●●
Calcium Hydroxide	Ca(OH)2	25	MAX	●●	●●●
Calcium Hypochlorite	Ca(ClO)2	-	MAX	●	●●●
Calcium Saltz	General	-	MAX	●●●	●●●
Carbon Tetrachloride	CCl4	100	24	●	●●●
Chlorinated Hydrocarbons	ClO2	SAT	60	⚠	●●●
Chlorine Dioxide	General	100	24	Suggested test	Suggested test
Chlorine Water	Cl2(H2O)(HOCl)	SAT	49	●	●●●
Chlorine	Cl2(H2O)	SAT	MAX	⚠	●●●
Chlorobenzene	C6H5Cl	-	< 38	⚠	●●●
Chlorobenzene	C6H5Cl	100	24	⚠	●●
Chloroform	CHCl3	100	24	⚠	⚠
Chromic Acid	CrO3	50	60	●●	●●
Citric Acid	-	-	MAX	●●●	●●●
Copper Cyanide Plating	Cu(CN)2	-	52	●●	●●●
Copper Saltz	General	-	MAX	●●●	●●●
Crude Oil	General	-	MAX	●●●	●●●
Dichlorobenzene	C6H4Cl2	100	24	⚠	Suggested test
Ethers	General	-	24	⚠	Suggested test
Ferric Chloride	FeCl3	100	MAX	●●●	●●●
Ferric Salts	General	-	MAX	●●●	●●●
Fluosilic Acid	H2SiF6	10	24	●●	●●●
Formaldehyde	HCHO	37	65	●	●●●
Formic Acid	HCOOH	25	38	●●	●●●
Fuel	General	-	38	●●●	●●●
Glycerine	(CH2OH)2CHOH	100	MAX	●●●	●●●
Hydrobromic Acid	HBr	48	MAX	●●	●●
Hydrochloric Acid	HCl	10	MAX	●●	●●●
Hydrochloric Acid	HCl	30	MAX	●●	●●
Hydrochloric Acid (concentrated)	HCl	-	< 82	⚠	●
Hydrocyanic Acid	HCn	-	MAX	●	●●●
Hydrofluoric Acid	HF	20	24	⚠	●●
Hydrogen Peroxide	H2O2	30	24	⚠	●●●
Lactic Acid	CH3CHOHCOOH	100	MAX	●●●	●●●
Lithium Salts	General	-	MAX	●●●	●●●
Magnesium Salts	General	-	MAX	●●●	●●●

Chemical environment	Formula	Concentration (in %)	Temperature (in °C)	Isophthalic resin	Vinylester resin
Maleic Acid	(HC.COOH)2	100	MAX	●●	●●●
Mercury Chloride	HgCl2	100	MAX	●●●	●●●
Nickel Salts	-	-	MAX	●●●	●●●
Nitric Acid	HNO3	20	49	●●	●●●
Nitric Acid	HNO3	35	38	⚠	●●●
Nitric Acid	HNO3	40	Ambiente	⚠	●
Nitrous Acid	-	10	24	●●●	●●●
Ozone	-	-	38	●●●	●●●
Perchloroethylene	CCl2	100	24	⚠	●●
Phenol	C6H5OH	10	24	⚠	●●●
Phenol	C6H5OH	88	Ambiente	⚠	●●
Phosphoric Acid	H3PO4	85	MAX	●●●	●●●
Phosphoric Acid	H3PO4	115	MAX	●	●●●
Silver Nitrate	AgNO3	100	MAX	●●●	●●●
Sodium Cyanide	NaCN	-	24	●	●●●
Sodium Hydroxide	NaOH	10	MAX	⚠	●●●
Sodium Hydroxide	NaOH	50	MAX	●	●●●
Sodium Hypochlorite (Stable)	NaOCl	10	38	●●	●●●
Sodium Salts Neutral	General	-	MAX	●●●	●●●
Sodium Salts Agressive	SO2	-	24	●	●●
Sulfur Dioxide	H2SO4	SAT	MAX	●●	●●●
Sulfuric Acid	H2SO4	25	MAX	●●	●●●
Sulfuric Acid	H2SO4	50	MAX	●●	●●●
Sulfuric Acid	H2SO4	75	38	●	●●●
Toluene	C6H5CH3	100	49	●	●●
Trichloroethane	ClCH2CHCl2	-	24	●	●●
Trisodium Phosphate	Na3PO4	50	MAX	●	●●●
Water (Fresh, Salt)	H2O	100	MAX	●●●	●●●
Wet Chloride	-	10 à 20	< 177	⚠	●●
Zinc Chloride Plating	-	-	24	●●	●●●
Zinc Salts	-	100	MAX	●●●	●●●



WEIGHT OF FRP GRATINGS AND STAIR TREADS

FRP GRATINGS

Height in mm	Mesh	Finishes	Weight (kg/m²)
30	38 x 38	Gritted	17,67
		Concave	17,24
38	19 x 19	Gritted	22,38
20		Gritted	14,00
25		Gritted	16,65
30		Gritted	20,68
		Concave	19,10
38	26 x 26	Gritted	26,20
30		Gritted	17,85
50	50 x 50	Concave	21,87
30 + 3	38 x 38	Full gritted surface	20,54

FRP STAIRS TREADS

Height in mm	Mesh	Finishes	Weight (kg/m²)
38	38 x 38	Concave	20,72
	19 x 19		24,36



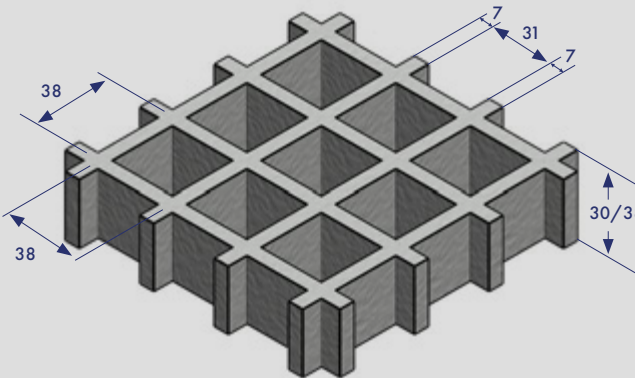
CUSTOMER SERVICE
Phone: 00352 26 29 66 51
Fax: 00352 26 29 61 05
E-mail: gei@geisa.lu



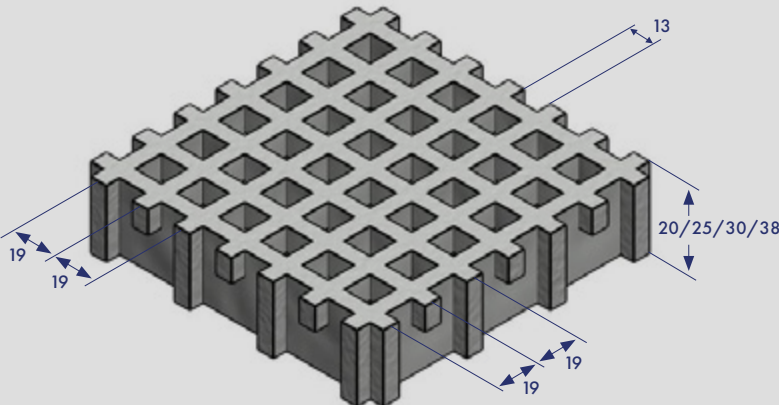
THEORETICAL TABLE OF LEVELLED DIMENSIONS

Height: 25, 30 and 38 mm
Tolerance: 0/-5 mm

STANDARD MESH 38 X 38



SAFETY MESH 19 X 19



	19 x 19 mm	38 x 38 mm
25	•	
45	•	•
65	•	
83	•	•
103	•	
121	•	•
141	•	
159	•	•
179	•	
198	•	•
218	•	
236	•	•
256	•	
274	•	•
294	•	
312	•	•
332	•	
350	•	•
370	•	
388	•	•
408	•	
426	•	•
446	•	
464	•	•
484	•	
502	•	•
522	•	
540	•	•
560	•	
579	•	•
599	•	
617	•	•
637	•	
655	•	•
675	•	
693	•	•
713	•	
731	•	•
751	•	
769	•	•

	19 x 19 mm	38 x 38 mm
789	•	
807	•	•
827	•	
845	•	•
865	•	
883	•	•
903	•	
921	•	•
941	•	
960	•	•
980	•	
998	•	•
1018	•	
1036	•	•
1056	•	
1074	•	•
1094	•	
1112	•	•
1132	•	
1150	•	•
1170	•	
1188	•	•
1208	•	
1226	•	•
1246	•	
1264	•	•
1284	•	
1302	•	•
1322	•	
1341	•	•
1361	•	
1379	•	•
1399	•	
1417	•	•
1437	•	
1455	•	•
1475	•	
1493	•	•
1513	•	
1531	•	•

	19 x 19 mm	38 x 38 mm
1551	•	
1569	•	•
1589	•	
1607	•	•
1627	•	
1645	•	•
1665	•	
1683	•	•
1703	•	
1722	•	•
1742	•	
1760	•	•
1780	•	
1798	•	•
1818	•	
1836	•	•
1856	•	
1874	•	•
1894	•	
1912	•	•
1932	•	
1950	•	•
1970	•	
1988	•	•
2008	•	
2026	•	•
2046	•	
2064	•	•
2084	•	
2103	•	•
2123	•	
2141	•	•
2161	•	
2179	•	•
2199	•	
2217	•	•
2237	•	
2255	•	•
2275	•	
2293	•	•

	19 x 19 mm	38 x 38 mm
2313	•	
2331	•	•
2351	•	
2369	•	•
2389	•	
2407	•	•
2427	•	
2445	•	•
2465	•	
2484	•	•
2504	•	
2522	•	•
2542	•	
2560	•	•
2580	•	
2598	•	•
2618	•	
2636	•	•
2656	•	
2674	•	•
2694	•	
2712	•	•
2732	•	
2750	•	•
2770	•	
2788	•	•
2808	•	
2826	•	•
2846	•	
2865	•	•
2885	•	
2903	•	•
2923	•	
2941	•	•
2961	•	
2979	•	•
2999	•	
3017	•	•
3037	•	
3055	•	•



LOAD TABLES



19 X 19 MESH
HEIGHT 20

Span in mm	Uniformly distributed rigid load kg/m²
	Deflection of 1% of span
600	720
700	480
800	400
900	280
1000	220
1100	140
1200	120



38 X 38 OR 19 X 19 MESH
HEIGHT 38

Span in mm	Uniformly distributed rigid load kg/m²
	Deflection of 1% of span
300	26809
400	10599
500	5163
600	2867
700	1744
800	1135
900	776
1000	552
1100	406
1200	305
1300	217
1400	182
1500	146

Contact us for other loads



19 X 19 MESH
HEIGHT 25

Span in mm	Uniformly distributed rigid load kg/m²
	Deflection of 1% of span
300	7347
400	3214
500	1693
600	1002
700	644
800	438
900	313
1000	231
1100	176
1200	137
1300	109
1400	88
1500	72



50 X 50 MESH
HEIGHT 50

Span in mm	Uniformly distributed rigid load kg/m²
	Deflection of 1% of span
300	46840
400	18922
500	9371
600	5278
700	3247
800	2132
900	1472
1000	1056
1100	782
1200	590
1300	423
1400	357
1500	287



38 X 38 OR 19 X 19 MESH
HEIGHT 30

Span in mm	Uniformly distributed rigid load kg/m²
	Deflection of 1% of span
300	14844
400	6664
500	3581
600	2155
700	1403
800	968
900	697
1000	520
1100	399
1200	313
1300	250
1400	204



STOCK PROGRAMME



FRP GRATING

FRP MATS

Height in mm	Mesh	Dimensions in mm	Gritted	Concave	Gritted	Concave	Gritted	Gritted	Gritted
20	19 x 19	1000 x 2026			•		•	•	
	19 x 19	1000 x 3055			•		•	•	
	19 x 19	1220 x 3055			•				
25	19 x 19	198 x 2026			•				
	19 x 19	198 x 3055			•				
	19 x 19	312 x 2026			•				
	19 x 19	312 x 3055			•				
	19 x 19	1000 x 2026			•		•	•	
	19 x 19	1000 x 3055			•		•	•	
	19 x 19	1220 x 3055			•		•	•	
30	19 x 19	1000 x 2026	•	•	•	•		•	•
	19 x 19	1000 x 3055	•	•	•	•		•	
	19 x 19	1220 x 2026			•				
	19 x 19	1220 x 3055	•	•	•	•			
38	19 x 19	1000 x 2026			•				
	19 x 19	1000 x 3055	•						
	19 x 19	1220 x 3055			•				
30	38 x 38	1000 x 2026	•	•	•	•			•
	38 x 38	1000 x 3055	•	•	•	•			
	38 x 38	1220 x 3055	•	•	•	•			
38	38 x 38	1000 x 2026	•	•	•				
	38 x 38	1000 x 3055	•		•				
	38 x 38	1220 x 3055	•						
30	26 x 26	1000 x 2035			•				
	26 x 26	1000 x 3075	•		•				
50	50 x 50	1220 x 3055				•			

FRP GRATING WITH FULL GRITTED SURFACE

30 + 3	38 x 38	1000 x 2026			•	
	38 x 38	1000 x 3055	•		•	

FRP STAIR TREADS WITH GRITTED NOSING

38	38 x 38	800 x 275		•		•
	38 x 38	1000 x 275		•		•
	38 x 38	1000 x 350		•		•
	19 x 19	800 x 275		•		•
	19 x 19	1000 x 275		•		•
	19 x 19	1000 x 350		•		•



FRP FASTENING

FASTENING SYSTEM FOR FRP GRATINGS

	Mesh
Complete galvanized fastening system with clip	38 x 38
	19 x 19
Complete stainless steel fastening system with clip	38 x 38
Complete stainless steel fastening system with washer	19 x 19
Stainless steel clip	38 x 38

STEP SUPPORT

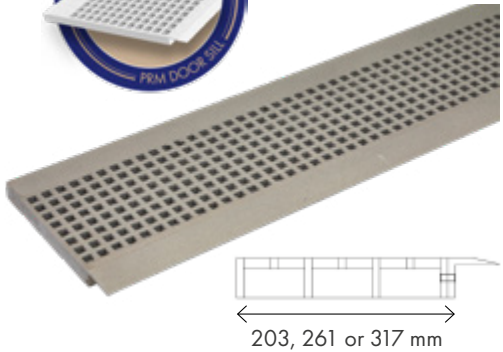
	Mesh
For FRP gratings	38 x 38
	19 x 19
Stair treads support	
Stainless steel hexagonal nut for support	

ACCESSORY

Resin kit: 1 dose of resin + 1 dose of hardener

FRP GRATING WITH INTEGRATED ANGLE

Height in mm	Mesh	Dimensions in mm	RAL 7035 Grey	
			Gritted	Concave
25	19 x 19	203 x 2026	•	
	19 x 19	203 x 3055	•	
	19 x 19	261 x 2026	•	
	19 x 19	261 x 3055	•	
	19 x 19	317 x 2026	•	
	19 x 19	317 x 3055	•	



ELEMENTS FOR RAILING
RAL 7035 GREY

	Dimensions in mm	Length in mm
Hand rail	W 58 x H 62	6000
Under rail	inner Ø 22 - outer Ø 32	6000
Base panel	W 100	6000
Square post	W 50 x H 50 - thickness 7.5	6000
Floor base	L 153 x W 126 x H 133	
Wall mount	L 170 x W 60 x H 120	
90° bend fitting for hand rail	L 150 x 150 x W 49 x H 40	
90° bend fitting for under rail	L 105 x 105 x inner Ø 21.7 - outer Ø 30	
Articulated fitting for hand rail	L 50 x W 50 x H 143	
Fitting for base panel	L 100 x W 50 x H 50 x thickness 6	
Plug for hand rail	L 6 x W 60 x H 63	
Plug for under rail	L 14 x inner Ø 22 - outer Ø 35	



FRP PROFILES

	Dimensions in mm*	Length in mm	 RAL 7035 Grey	 RAL 7012 Anthracite	 RAL 1001 Beige	 RAL 1003 Yellow	 RAL 6010 Green
H shapes	100 x 100 x 6	6000	•				
	200 x 200 x 12	6000	•				
I shapes	100 x 50 x 8	6000	•				
	150 x 75 x 9,5	6000	•				
	150 x 100 x 8	3000	•				
	200 x 100 x 9,5	6000	•				
U shapes	100 x 50 x 6,5	6000	•				
	150 x 50 x 6,5	6000	•				
	200 x 60 x 10	6000	•				
Standard angles	30 x 30 x 5	3000	•		•		
	50 x 50 x 6	3000	•				
	75 x 75 x 9	6000	•				
	100 x 100 x 9,5	6000	•				
Bevelled angles	25 x 50 x 5	3000	•	•	•		
Gritted angles	30 x 30 x 3	3000	•			•	•
Square tubes	50 x 50 x 5	6000	•				
	100 x 100 x 6,5	6000	•				

* Please enquire for exact dimensions.

• Available on stock.



GEI  Send your request:
By fax: 00352 26 29 61 05
By e-mail: gei@geisa.lu

CONTACT INFORMATION

Company name:

Contact:

Address:

Business:

Postal code:

City:

Phone:

Fax:

E-mail:

Be contacted by a sales representative: ☐ YES ☐ NO

USES

CHARGE : ☐ For pedestrian traffic ☐ Charge : daN/m²

TYPE OF SURFACE: : ☐ Concave ☐ Gritted ☐ Full gritted surface

COLOR: ☐ RAL 7035 grey ☐ RAL 6010 green ☐ RAL 1001 beige ☐ RAL 2002 orange

☐ RAL 7012 antracite ☐ Other: RAL

SPAN:

MESH:

FIELD OF APPLICATION:

PANEL MARK	QUANTITY	DIMENSIONS	FASTENINGS

STAIR TREADS MARK	QUANTITY	DIMENSIONS	FASTENINGS

ESTIMATED QUANTITY

Total quantity: m²

Fastenings: pieces

MI of cut: ml

Accessories / others:

ACCORDING TO JOINED PLAN ☐ YES ☐ NO

☐ FIRM ☐ FOR QUOTATION

COMMENT



GEI  Send your request:
By fax: 00352 26 29 61 05
By e-mail: gei@geisa.lu

CONTACT INFORMATION

Company name:

Contact:

Address:

Business:

Postal code:

City:

Phone:

Fax:

E-mail:

Be contacted by a sales representative: ☐ YES ☐ NO

FRP PROFILES			Quantity				
Product	Dimensions in mm	Lenght in mm	RAL 7035 grey	RAL 7012 anthracite	RAL 1001 beige	RAL 1003 yellow	RAL 6010 green
H shapes	100 x 100 x 6	6000					
	200 x 200 x 12	6000					
I shapes	100 x 50 x 8	6000					
	150 x 75 x 9,5	6000					
	150 x 100 x 8	3000					
	200 x 100 x 9,5	6000					
U shapes	100 x 50 x 6,5	6000					
	150 x 50 x 6,5	6000					
	200 x 60 x 10	6000					
Standard angles	30 x 30 x 5	3000					
	50 x 50 x 6	3000					
	75 x 75 x 9	6000					
	100 x 100 x 9,5	6000					
Bevelled angles	25 x 50 x 5	3000					
Gritted angles	30 x 30 x 3	3000					
Square tubes	50 x 50 x 5	6000					
	100 x 100 x 6,5	6000					

ELEMENTS FOR RAILINGS

Product

Lenght in mm

Quantity

Hand rail

6000

Plug for hand rail

90° bend fitting for hand rail

Articulated fitting for hand rail

Under rail

6000

Plug for under rail

90° bend fitting for under rail

Product

Lenght in mm

Quantity

Square post

6000

Base panel

6000

Fitting for base panel

Floor base

Wall mount

☐ FIRM ☐ FOR QUOTATION



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