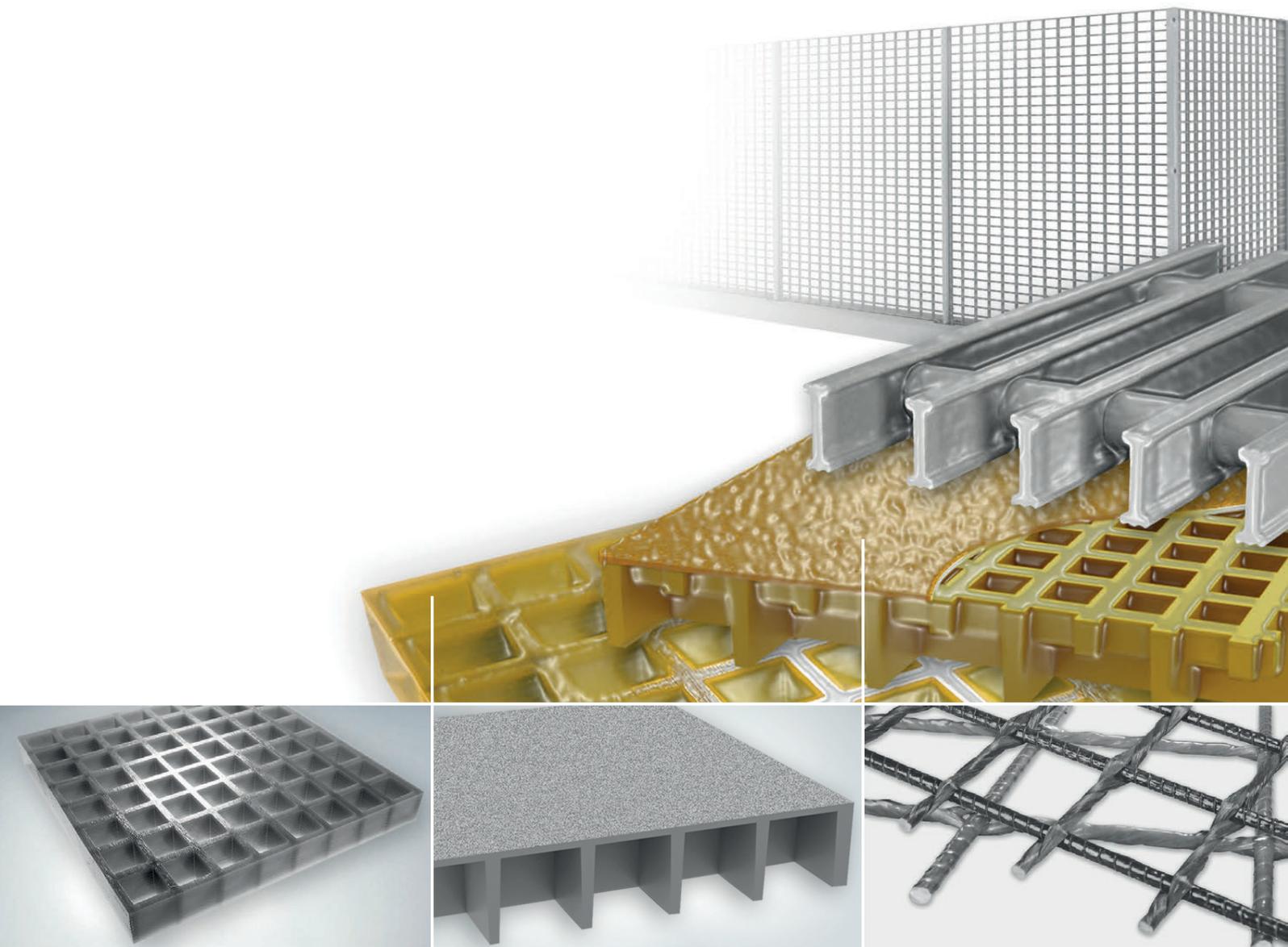


GRP-GRATINGS

GRATINGS, SAFETY FLOORINGS, PROFILE GRATINGS, MESH GRIDS



U GRP I GFK O TWS J PRFV Q GVK □ PRV T PAFS



GRP GRATINGS

for typical loads and complicated laying geometries

Matrix

- Polyester resin
- Vinyl-ester resin
- Phenolic resin

Colour

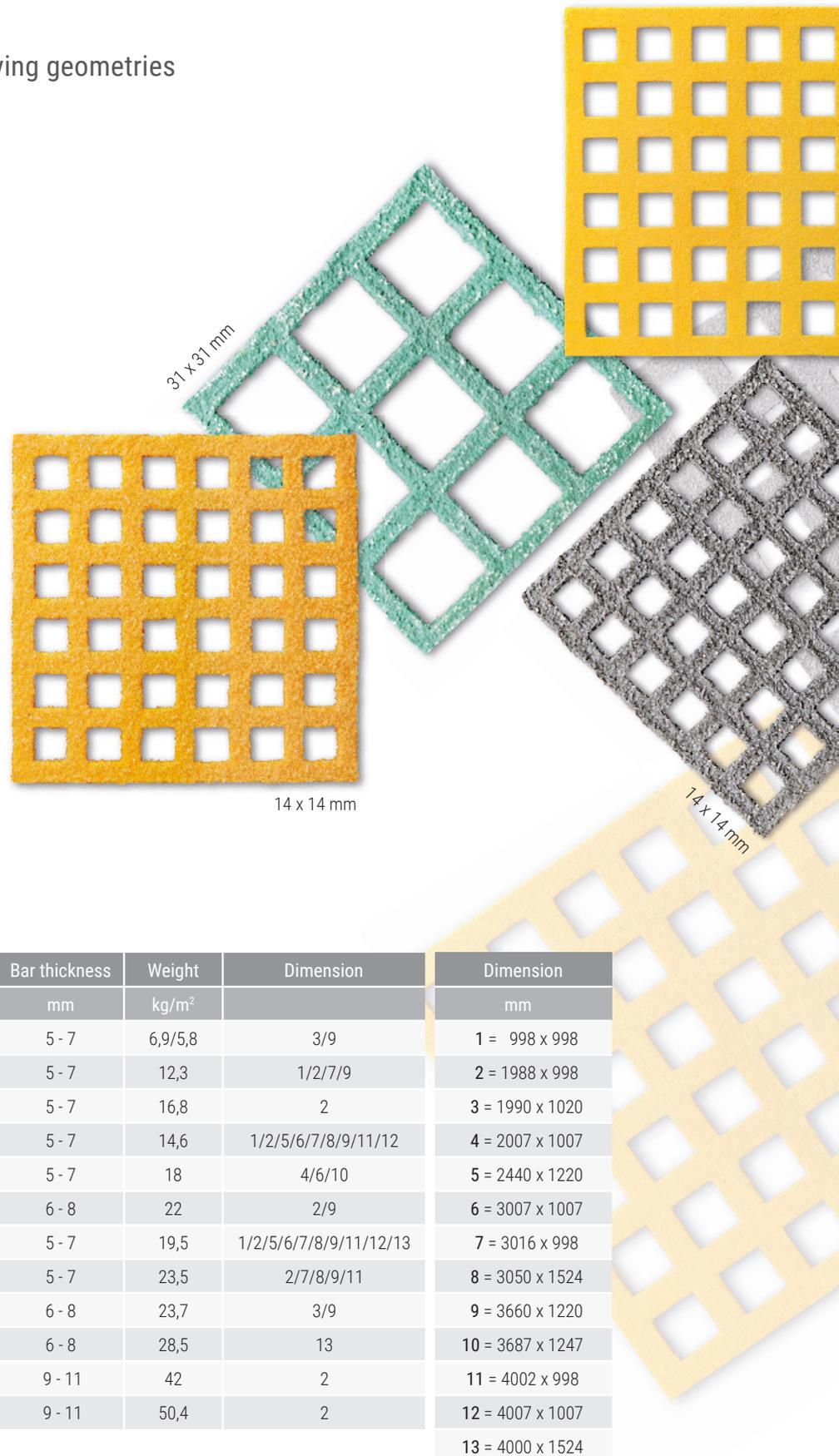
- According to RAL number
- Translucent

Surface

- Concave
- Gritted (coarse or fine)
- Smoothed

Properties

- UV-resistance
- Weather resistant
- According to DIN EN 24537-3
- Anti-slip class 13
- Fire Classification Bfl-s1 acc. to DIN EN 13501-1
- EBA-Approved
- Dimensions according to specification



Gratings	Height	Mesh size	Bar thickness	Weight	Dimension	Dimension
Type	mm	mm	mm	kg/m ²		mm
ISO 15	15	31 x 31/42 x 42	5 - 7	6,9/5,8	3/9	1 = 998 x 998
ISO 25	25	31 x 31/33 x 33	5 - 7	12,3	1/2/7/9	2 = 1988 x 998
ISO 25 micro	25	14 x 14	5 - 7	16,8	2	3 = 1990 x 1020
ISO 30	30	31 x 31/33 x 33	5 - 7	14,6	1/2/5/6/7/8/9/11/12	4 = 2007 x 1007
ISO 30 micro	30	14 x 14	5 - 7	18	4/6/10	5 = 2440 x 1220
ISO 30 8 x 8	30	8 x 8	6 - 8	22	2/9	6 = 3007 x 1007
ISO 38	38	31 x 31/33 x 33	5 - 7	19,5	1/2/5/6/7/8/9/11/12/13	7 = 3016 x 998
ISO 38 micro	38	14 x 14	5 - 7	23,5	2/7/8/9/11	8 = 3050 x 1524
ISO 50	50	42 x 42	6 - 8	23,7	3/9	9 = 3660 x 1220
ISO 50 micro	50	17 x 17	6 - 8	28,5	13	10 = 3687 x 1247
ISO 50 SWL*	50	26 x 26	9 - 11	42	2	11 = 4002 x 998
ISO 60 SWL*	60	26 x 26	9 - 11	50,4	2	12 = 4007 x 1007
						13 = 4000 x 1524

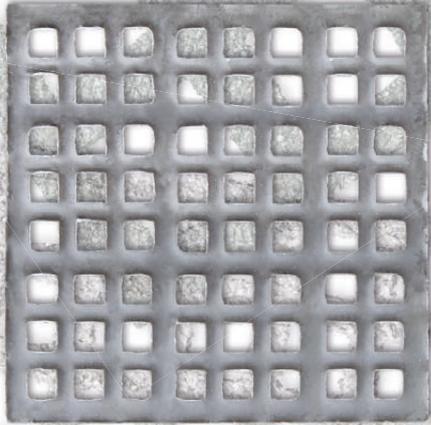
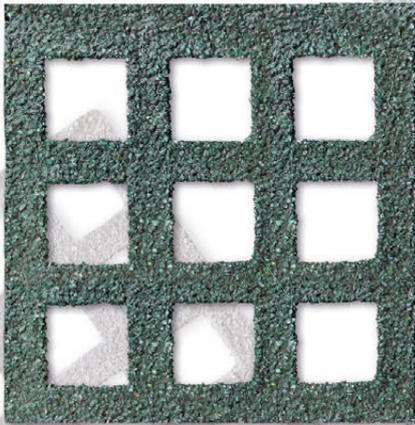
*SWL = GRP-Heavy duty grating

Further variations and sizes on request

Production made to measure according to customer requirements



26 x 26 mm SWL



8 x 8 mm



Safety Floor



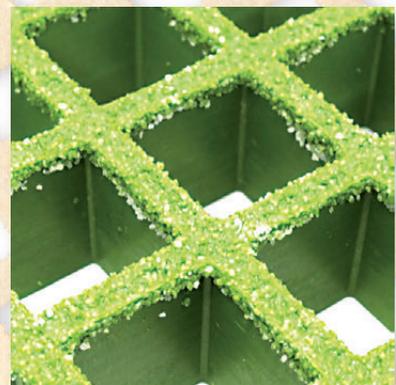
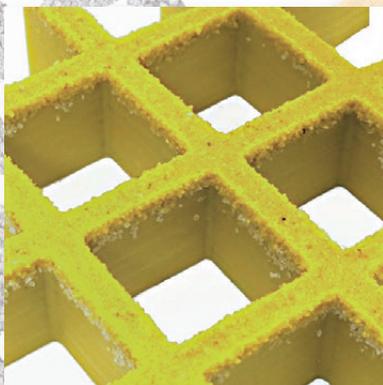
KV



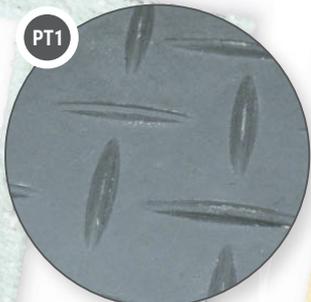
FS



GS



PSD



PT1



PT2

R 13

RAL

LANDING STAGES

Gratings in the vicinity of water, for example boats and floating jetties

GRP gratings are ideal as a building material for Dock systems or for use in the vicinity of water due to its anti-corrosive properties. With a long service lifespan coupled with its advantage of being almost completely maintenance-free, it replaces conventional materials such as wood or steel.



Properties

- UV-stabilized
- Weatherproof
- Anti-corrosive
- Slip class R13 according to DIN 51130
- Made to measure dimension

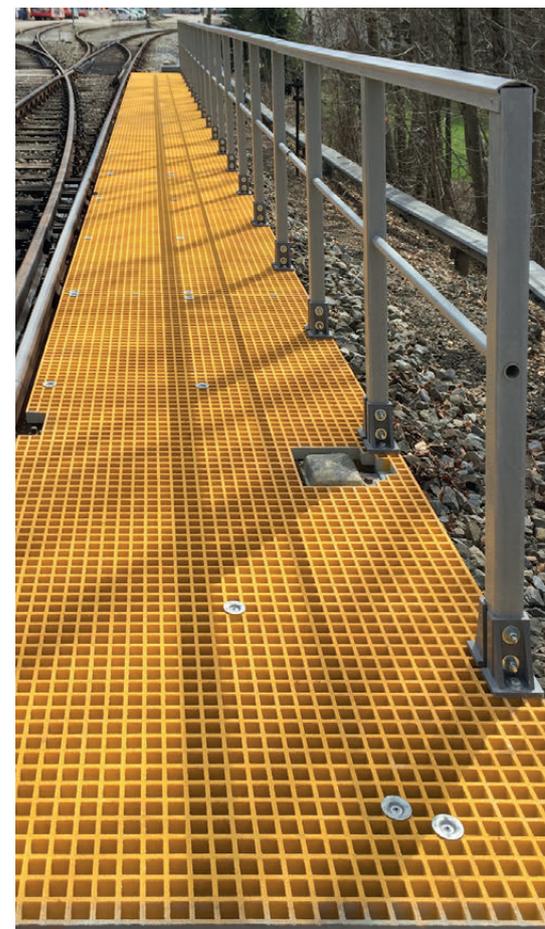


Technical data of the grating can be found in the table below on page 2 and on page 9..

RAILWAY SYSTEMS

Gratings ensure safety, for example railway systems

Fibrolux offers railway crossings, working platforms, walkways and railings systems, insulators and many other GRP products for other applications.



Our gratings and profiles is EBA approved.

PURIFICATION PLANTS

GRP gratings also replace conventional materials in sewage treatment plants

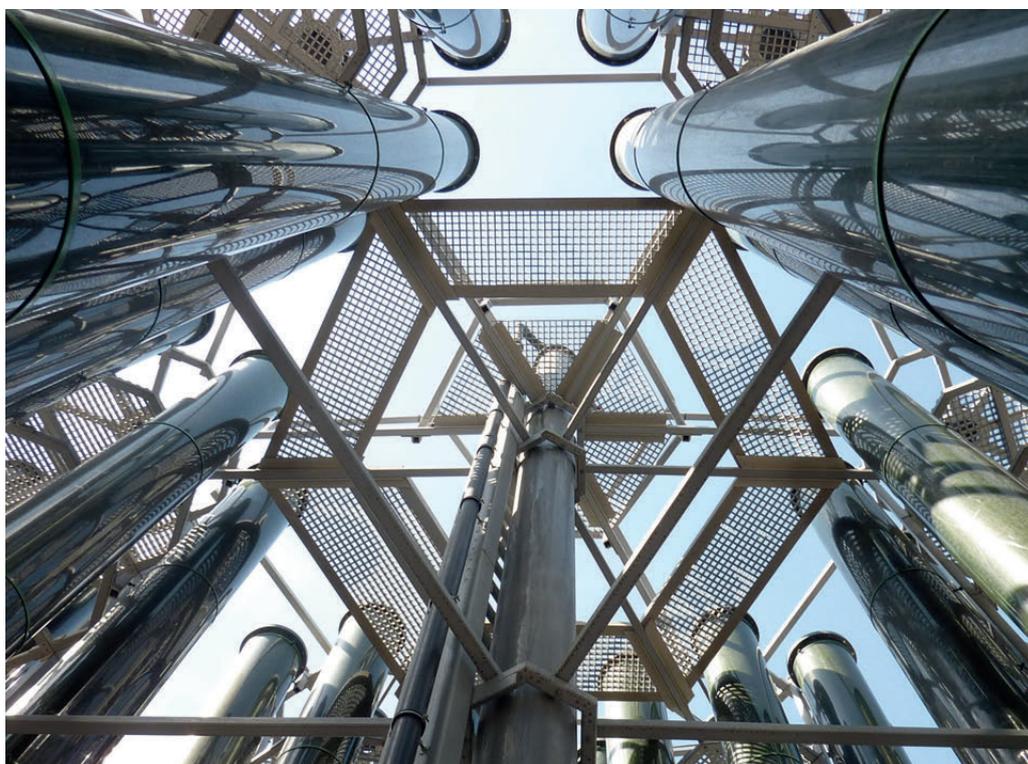
GRP scores with its unbeatable advantages in constantly humid and/or corrosive environments, such as those that prevail in sewage treatment plants.



INDUSTRIAL PLANTS

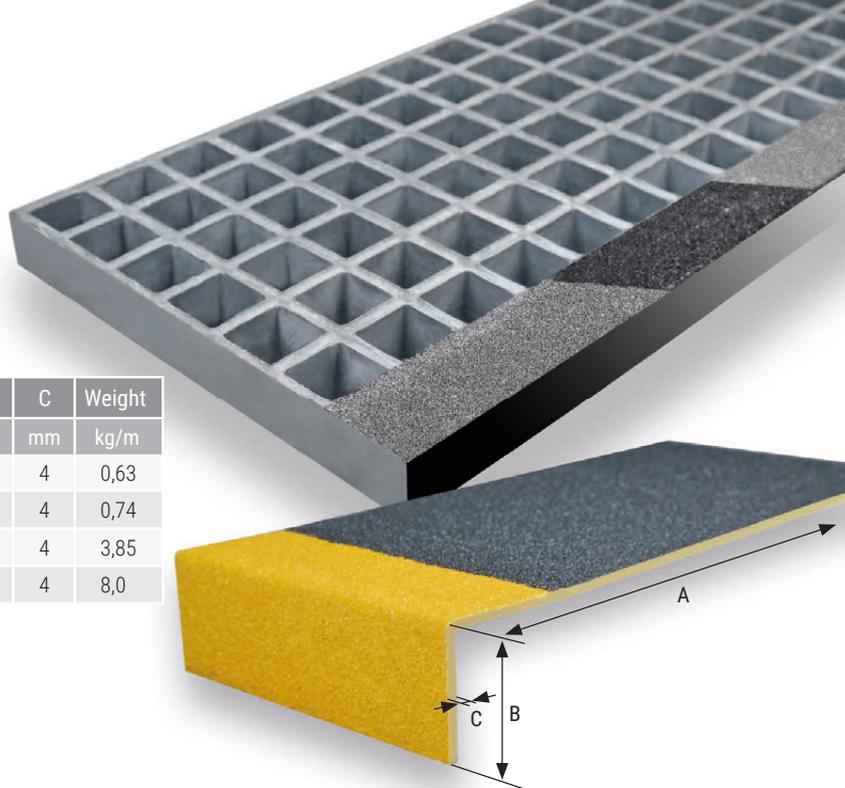
Construct with GRP

Gratings and associated profiles create durable and secure connections for every construction. It is reliable on all levels.



STEPS AND COVERS

Steps	Length	Width	Height	Weight	Cover	A	B	C	Weight
Type	mm	mm	mm	kg	Type	mm	mm	mm	kg/m
SG30	995	273	30	3,8	STC 70	70	30	4	0,63
SG30	995	311	30	4,3	STC 55	55	55	4	0,74
SG38	995	273	38	5,2	STC 345	345	55	4	3,85
SG38	995	311	38	5,9	STC 800	800	55	4	8,0



GFPP ADJUSTABLE FEET

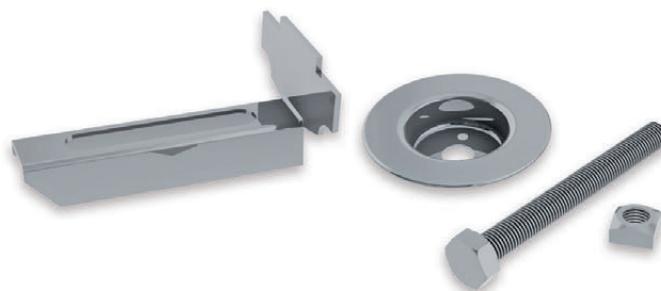
Adj. foot	adjustable height	Adj. foot	adjustable height
Typ	mm	Typ	mm
SF 1	42 - 60	SF 6	285 - 367
SF 2	60 - 90	SF 7	365 - 485
SF 3	90 - 145	SF 8	452 - 605
SF 4	145 - 245	SF 9	537 - 725
SF 5	230 - 315	SF 10	620 - 845



FIXING-SETS

Material

- galvanized
- V2a
- V4a

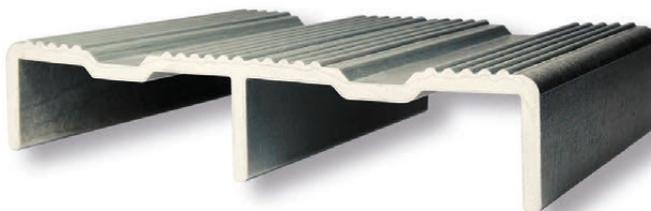


GRP PANEL PROFILES

Pultruded Profile

Surface

- Smooth
- Profiled
- Sanded



Panel profile	Height	Dimension	Weight
Typ	mm	mm	kg/m ²
PA40	40	500 x 6000T	11,4
PA50	50	250 x 6000T	21,2

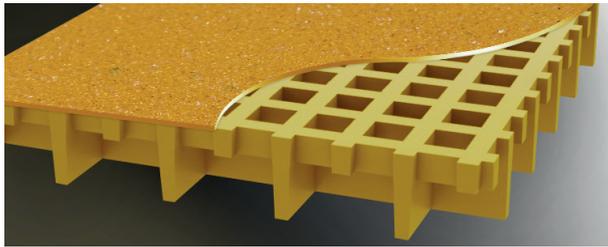
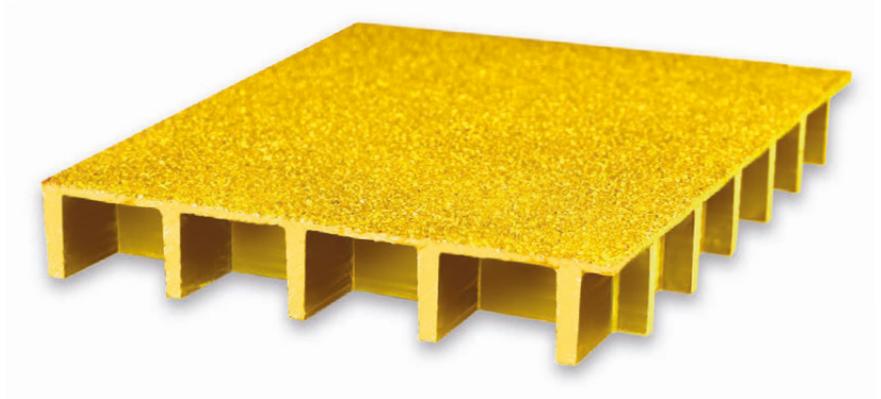
T = bearing direction

GRP SAFETY FLOORINGS

Gratings with a laminated GRP-Sheet

Surface

- Sanded
- teardrop plate
- plain
- sandwich (covered on both sides)

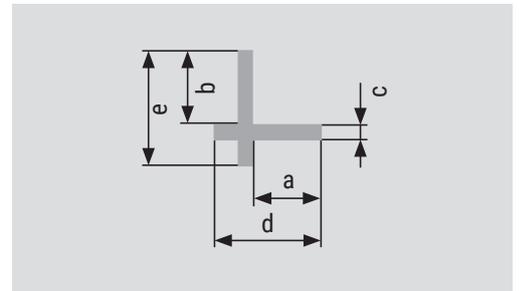
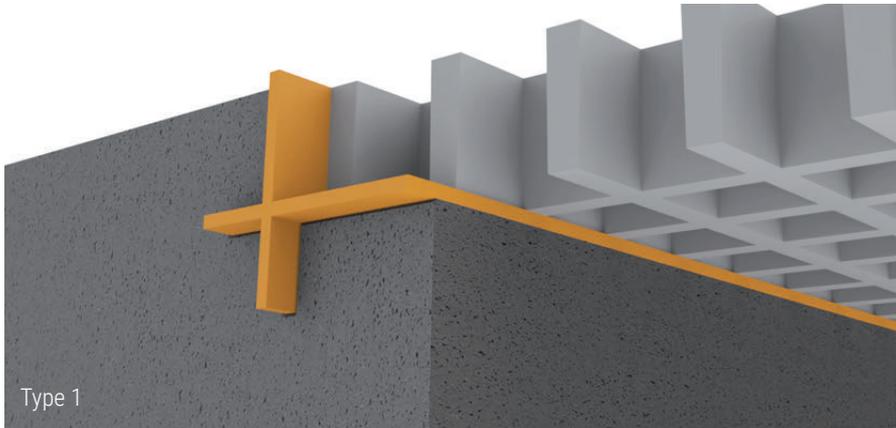


Grating Type	Height mm	Weight kg/m ²	Dimension	Dimension mm
P25	28	15	1/3	1 = 1988 x 998
P30	33	17	1/3	2 = 1990 x 1220
P38	41	25	1/3/4	3 = 3660 x 1220
P50	53	28,5	2/3	4 = 4000 x 1524

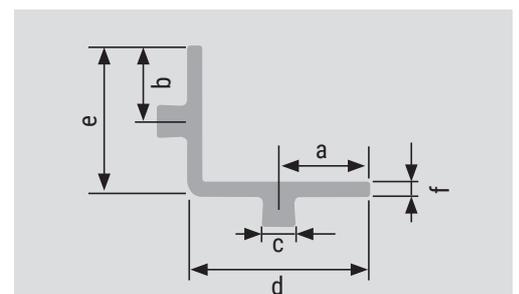
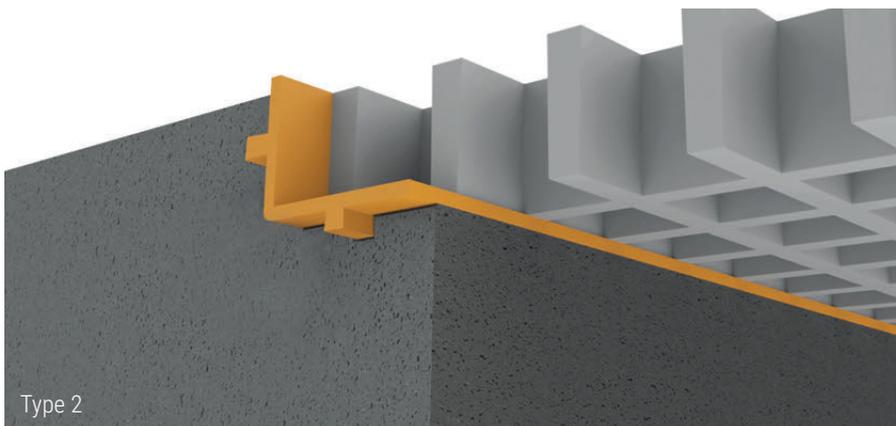
Additional variations (sandwich construction) and high volume enquiry.
Made-to-measure production

ANCHOR BRACKET

For fastening grids, e.g. on concrete



a	b	c	d	e
38	30	4	57	49
50	38	4	79	67

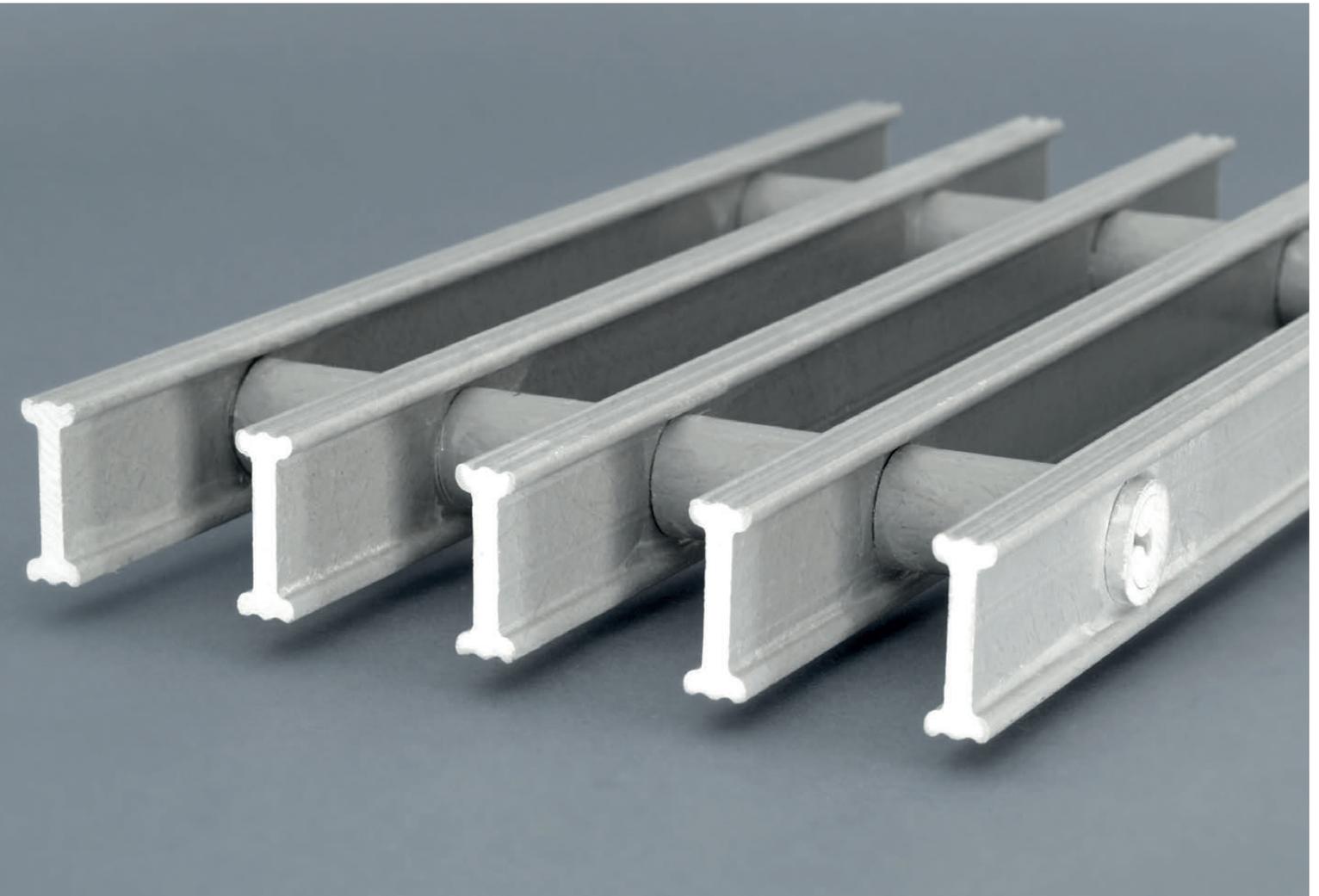


a	b	c	d	e	f
30	25	11	60	50	5

GRP PROFILE GRATING

Sturdy covers

The construction of the GRP profile grating is made from I-profiles in the load-bearing direction, with round bars and spacer sleeves at a defined distance provide a torsionally stiff connection.

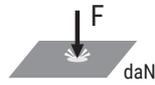


Our profile gratings are available in 7 designs (see table below on page 9), as per request it could also be sanded and be produced in various RAL colors.

GRP profile gratings are also available on request in vinyl ester resin or phenolic resin matrix. All resin types are self-extinguishing and UV stabilized.



LOADING TABLE

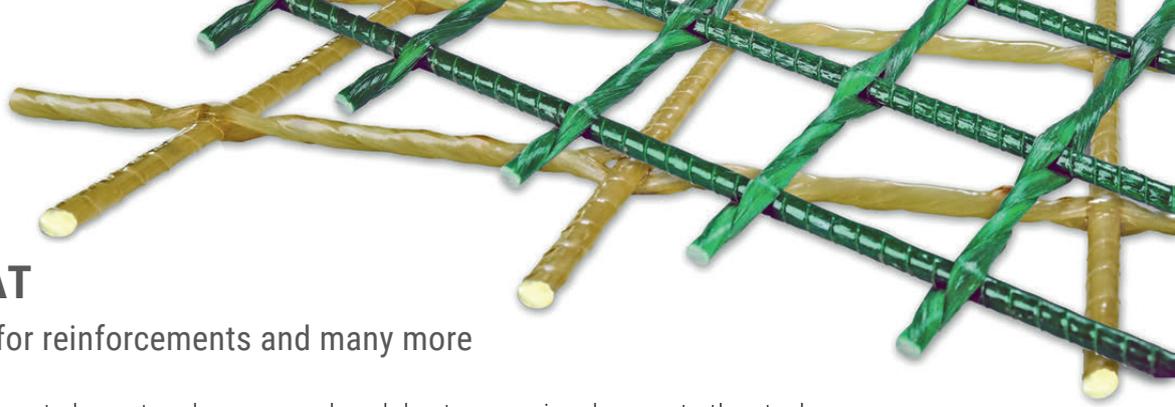


maximum point load at l/200
on an area of 200 x 200 mm



maximum area load at l/200

1 daN \triangleq 1 kg	Grating	Span in mm						Span in mm					
	Type	400	600	800	1000	1200	1400	400	600	800	1000	1200	1400
	ISO 14 13 x 13	53	24	13	9	6	4	305	91	38	19	11	7
	ISO 15	46	20	11	7	5	4	257	76	32	16	10	6
	ISO 25	281	125	70	45	31	23	1.607	476	201	103	60	37
	ISO 25 13 x 13	315	140	78	50	35	26	1.800	533	225	115	67	41
	ISO 25 93 x 18	436	194	109	70	48	36	2.441	723	305	156	90	57
	ISO 25 76 x 76	141	63	35	23	16	11	833	247	104	53	31	19
	ISO 30	486	216	122	78	54	40	2.777	823	347	178	103	65
	ISO 30 14 x 14	517	230	129	83	57	43	2.996	887	374	192	111	69
	ISO 30 8 x 8	544	242	137	87	60	45	3.110	922	389	199	115	73
	ISO 30 93 x 18	753	335	188	121	84	61	4.218	1.250	527	270	156	98
	ISO 30 SWL	810	360	203	130	90	66	4.629	1.372	579	296	171	108
	ISO 35 SWL	1.286	572	322	206	143	105	7.351	2.178	919	470	272	171
	ISO 38	988	439	247	158	110	81	5.645	1.672	706	361	209	132
	ISO 38 13 x 13	1.107	492	277	177	123	91	6.322	1.873	791	404	234	148
	ISO 38 88 x 17	1.531	680	383	245	170	125	8.572	2.540	1.071	549	317	200
	ISO 38 144 x 30	988	439	247	158	110	81	5.645	1.672	706	361	209	132
	ISO 40 76 x 76	576	256	144	92	64	47	3.170	939	396	203	117	74
	ISO 50	1.800	800	450	288	200	147	10.001	2.963	1.250	640	370	233
	ISO 50 17 x 17	2.016	896	504	323	224	165	11.201	3.319	1.400	717	414	261
	ISO 50 SWL	3.750	1.667	938	600	417	306	21.431	6.350	2.679	1.372	794	500
ISO 60 SWL	6.480	2.880	1.620	1.037	720	529	37.033	10.973	4.629	2.370	1.372	864	
	P 15	58	25	14	9	6	5	321	95	40	20	13	8
	P 25	351	156	88	56	39	29	2.009	595	251	129	75	46
	P 30	608	270	153	98	68	50	3.471	1.029	434	223	129	81
	P 38	1.235	549	309	198	138	101	7.056	2.090	883	451	261	165
	P 50	2.250	1.000	563	360	250	184	12.501	3.704	1.563	800	463	291
	P 50 SWL	4.688	2.084	1.173	750	521	383	26.789	7.938	3.349	1.715	993	625
	P 60 SWL	8.100	3.600	2.025	1.296	900	661	46.291	13.716	5.786	2.963	1.715	1.080
	RP 30 x 10 x 20	365	162	91	58	41	30	7.094	2.102	887	454	263	165
	RP 30 x 10 x 30	162	139	78	50	35	26	5.425	1.607	678	347	201	127
	RP 38 x 15 x 23	856	380	214	137	95	70	15.410	4.566	1.926	986	571	359
	RP 38 x 15 x 10	3.600	571	321	205	143	105	23.400	6.933	2925	1.498	867	546
	RP 50 x 25,4 x 12,7	1.856	825	464	297	206	152	33.407	9998	4.176	2.138	1.237	779
	RP 50 x 15 x 10	4.414	1.962	1.103	706	490	360	80.428	23.831	10.054	5.147	2.979	1.876
	RP 64 SWL	6.434	2.859	1.608	1.029	715	525	115.804	34.312	14.476	7.411	4.289	2.701



GRP LATTICE MAT

The composite solution for reinforcements and many more

Construction elements often have to be restored or even replaced due to corrosion damage to the steel reinforcement, which leads to destruction of the concrete structure. This applies in particular to components that are exposed to road salt. With the use of GRP reinforcement, corrosion becomes a thing of the past.



Fencing

There are unbeatable advantages when fencing security areas, especially in the vicinity of live conducting systems.

- Electrically non-conductive
- Anti-corrosive
- Maintenance free

Available sizes

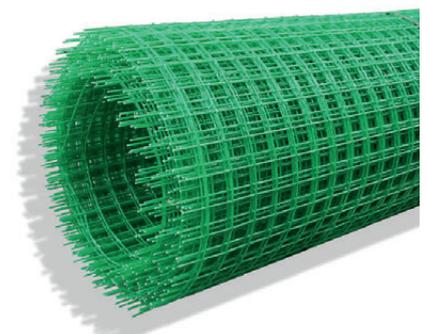
	∅	2 mm	2,5 mm	3 mm	4 mm	6 mm	8 mm
Mesh size							
50 x 50 mm		●	●	●	●		
50 x 100 mm		●	●	●	●	●	●
100 x 100 mm				●	●	●	
100 x 150 mm				●	●	●	●
100 x 200 mm					●	●	●
150 x 150 mm					●	●	●
200 x 200 mm					●	●	●



Mesh performance

∅	Rods/m	Minimum tensile strength mesh - N/m					
		2 mm	2,5 mm	3 mm	4 mm	6 mm	8 mm
Mesh mm							
50 x 50 mm	50	12.560	19.625	28.260	50.240	113.040	200.960
50 x 100 mm	10	6.280	9.813	14.130	25.120	56.520	100.480
100 x 100 mm	10	6.280	9.813	14.130	25.120	56.520	100.480
100 x 150 mm	7	4.396	6.869	9.891	17.584	39.564	70.336
100 x 200 mm	5	3.140	4.906	7.065	12.560	28.260	50.240
150 x 150 mm	7	4.396	6.869	9.891	17.584	39.564	70.336
200 x 200 mm	5	3.140	4.906	7.065	12.560	28.260	50.240

also available in rolls



The complete range: www.fibrolux.com

GRP FENCE ELEMENTS

for very stable fences

The system of gratings and fastening profiles, with a base is extremely sturdy and stable. With easy assembly and processing, this design is also recommended for extensive fence runs.



Fencing with grating elements

Like the wire mesh, this much more solid GRP fence variant offers great advantages over conventional materials.

- Electrically non-conductive
- long service life
- simple mounting

Grating	Height	Mesh dimension
ISO 15	15	38 x 38
ISO 15	15	50 x 50
ISO 25	25	38 x 38
ISO 25	25	100 x 60



Mounting sample

ADVANTAGES

easy assembly and machining |
corrosion resistant | thermally
stable | anti-slip | chemically resis-
tant | electrical insulation | thermal
isolation | light weight | good UV re-
sistance | various colours available |
maintenance-free | high strength

APPLICATION AREA

Chemical industry | Food industry |
water and sewage treatment | pickling-
and galvanic plant | marine and ship
construction | transport facilities |
textile and paper industry | tunnel
construction | mining | petrol chemis-
try | paint industry | offshore

USAGE EXAMPLES

podiums | stairs | support grids
for filling materials | Protective grid
in hazardous areas | floor gratings for
production lines | catwalks | stages |
bridges | fences | gutter and channel
covers | pit and manhole covers |
support for chemical storage



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