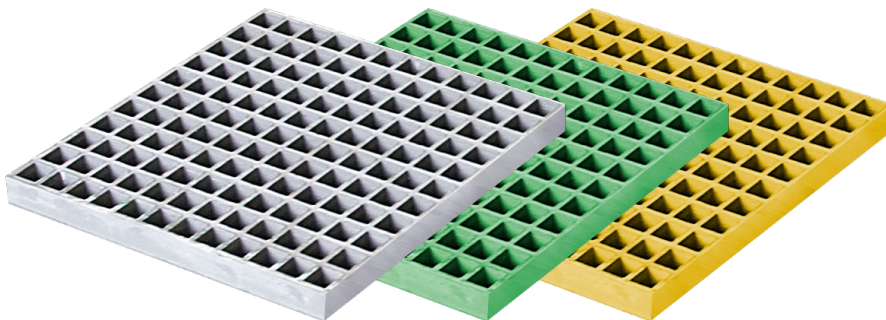
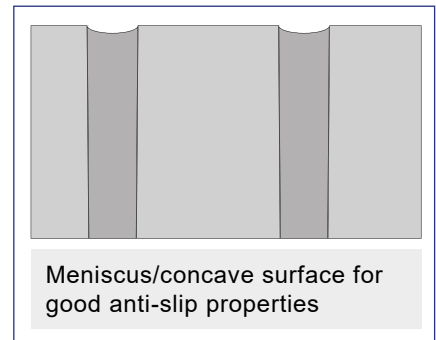
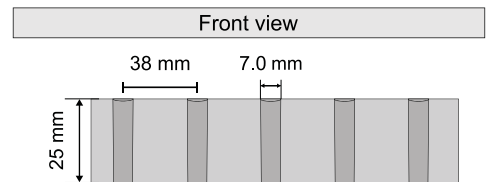
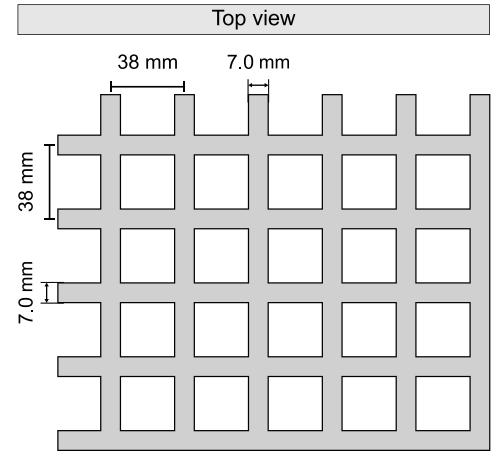


FRP grating | Ortho | 38x38x25 mm

Technical data	
Mesh opening:	38x38 mm
Height:	25 mm
Panel size:	2000x1000mm
Color:	grey, green, yellow
Surface:	meniscus
Loaded bar thickness:	7.0/5.0 mm
Loaded bar center to center space:	38 mm
Hole rate:	68%
Approx. weight per m ² :	12.5 kg.
Orthophthalic resin content:	65%
Properties:	very good chemical resistance and exceptional impact resistance
Test method:	ASTM E84-15b



38 mm x 38 mm x 25 mm grid

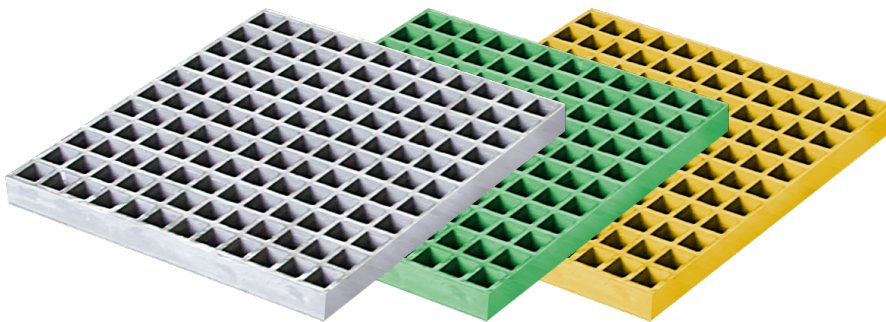
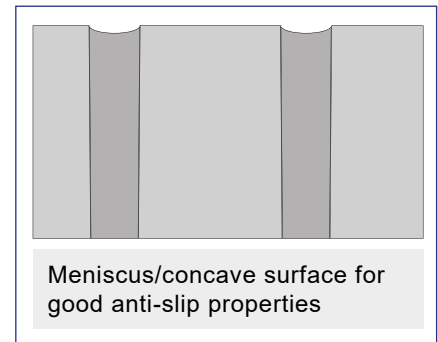
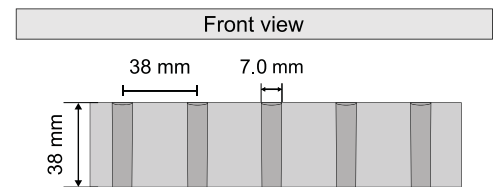
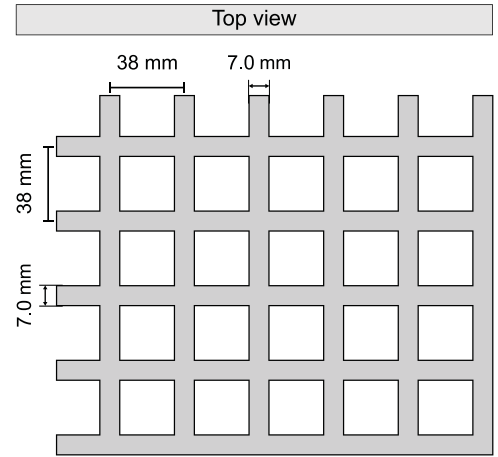
Span (mm)	Uniform load (kg/m)						
	240	480	980	1450	2450	3650	4880
450	0.66	1.092	1.93	2.769	4.47	6.579	-
600	1.01	2.08	4.14	6.30	10.70	8.29	-
750	2.667	5.387	10.82	16.28	-	15.265	-
900	4.92	10.03	20.83	-	-	-	-

38 mm x 38 mm x 25 mm grid

Span (mm)	Linear load (kg/m)						Break Point
	75	150	300	450	600	750	
450	0.559	1.146	2.159	3.073	4.115	4.75	3910
600	0.864	1.64	3.27	4.93	6.60	8.29	2924
900	2.896	5.09	10.27	15.67	-	-	1948
1200	12.35	-	-	-	-	-	1461

FRP grating | Ortho | 38x38x38 mm

Technical data	
Mesh opening:	38x38 mm square mesh
Height:	38 mm
Panel size:	3000x1000mm
Color:	grey, green, yellow
Surface:	meniscus
Bar thickness (top to bottom):	7.0/5.0 mm
Loaded bar center to center space:	38 mm
Open area:	68%
Approx. weight per m ² :	19.5 kg.
Orthophthalic resin content:	65%
Properties:	very good chemical resistance and exceptional impact resistance
Test method:	ASTM E84-15b



38 mm x 38 mm x 38 mm grid

Span (mm)	Uniform load (kg/m)						
	240	480	980	1450	2450	3650	4880
300	0.254	0.305	0.54	0.69	1.97	2.27	2.59
600	0.432	0.74	1.67	2.45	4.14	6.15	8.29
900	1.59	3.42	7.26	10.88	18.80	-	-
1200	5.33	10.93	22.90	34.58	-	-	-

38 mm x 38 mm x 38 mm grid

Span (mm)	Linear load (kg/m)							Break Point
	75	150	300	450	600	750	1500	
300	0.279	0.17	0.34	0.50	0.67	0.83	1.60	17116
600	0.356	0.70	1.38	2.06	2.75	3.41	6.73	8718
900	0.864	2.03	4.09	5.84	8.25	10.36	-	5817
1200	2.261	4.59	9.28	14.09	19.01	-	-	3855

FRP grating | Ortho | 38x38x25 mm & 38x38x38 mm

Corrosion resistance table		
Chemical	Maximum operating temperature °C	
	Concentration %	FRP Type Ortho
Hydrochloric acid	30	N/R
Nitric acid	35	N/R
Sulphuric acid	25	N/R
Hydrofluoric acid	10	N/R
Lactic acid	100	60
Hypochlorous acid	SAT	N/R
Citric acid	ALL	N/R
Potassium hydroxide	10	N/R
Sodium hydroxide	10	N/R
Calcium hydroxide	25	N/R
Calcium hypochloride	25	N/R
Ferric chloride	100	60
Aluminium chloride	ALL	60
Mercuric chloride	100	60
Silver nitrate	100	60
Sodium salt	ALL	N/R
Zinc chloride	ALL	N/R
Acetone	100	N/R
Chloroform	100	N/R
Fuel	ALL	38
Nantokite	ALL	60
Phenols	10	N/R
Ozone	ALL	38
Bleaching liquid	ALL	N/R
Ammonium hydroxide	30	N/R
Ammonium salt	ALL	N/R
Black sewage	ALL	N/R
Cupric oxide	ALL	N/R
Glycol	100	60
Sulfur dioxide	SAT	60
Sodium phosphate	50	N/R
Water	100	60
Alum	ALL	60
Chlorine water	SAT	N/R

ALL-concentrations; SAT-saturated solution; N/R; not recommended