GLASSFIBER PRODUKTER

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PRODUCT DATA SHEET

MOULDED GRATING

Moulded GRP grating

38 mm · solid plate, 3 mm

Moulded GRP grating with a checker plate surface. Corrosion resistant and low maintenance.

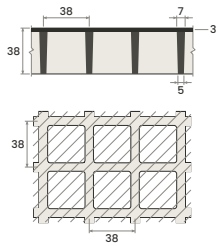
Product facts

Art. no.	15039
Type	Moulded grating
Height	38 mm
Mesh	Solid plate, 3 mm
Panel size	1219 × 3658 mm
Weight	29.5 kg/m²
Weight per panel	131.7 kg
Colour	Grey (RAL 7001)

Technical data

Resin	Isophthalic polyester
Surface	Checker plate
Slip resistance	R10 (EN 16165:2023)
Bar thickness	7 / 5 mm (top / bottom)
Opening	0 mm
Open area	0 %
Temperature range	-40 °C to +65 °C
Fire resistance	FSI-5, SDI-125 (ASTM E84:2023)
Electrical conductivity	Non-conductive

DIMENSIONS AND MESH



Load and deflection

Clear span (mm)		Load ΔU = kg/m², ΔC = kg/m								Max recom. kg	Ultimate load kg
		100	200	300	500	750	1000	1500	2000		
500	ΔU	<0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.6	**6 860**	**46 604**
	ΔC	0.1	0.2	0.3	0.4	0.6	0.8	1.3	1.7	**2 143**	**11 651**
700	ΔU	0.1	0.2	0.3	0.5	0.8	1.0	1.5	2.0	**2 500**	**23 778**
	ΔC	0.2	0.5	0.7	1.2	1.7	2.3	3.5		**1 094**	**8 322**
900	ΔU	0.3	0.6	0.8	1.4	2.1	2.8	4.1		**1 176**	**14 384**
	ΔC	0.5	1.0	1.5	2.5	3.7	4.9			**662**	**6 472**
1100	ΔU	0.6	1.2	1.8	3.1	4.6	6.2			**644**	**9 629**
	ΔC	0.9	1.8	2.7	4.5	6.7				**443**	**5 296**
1300	ΔU	1.2	2.4	3.6	6.0	9.0				**391**	**6 894**
	ΔC	1.5	3.0	4.4	7.4					**317**	**4 481**

Deflection in mm as a function of load in kg and clear span in mm. **ΔU** = uniformly distributed load, **ΔC** = concentrated line load.

Corrosion resistant
Glass-reinforced plastic that does not rust.

Low weight
29.5 kg/m², easy to move around.

Non-conductive
Non-conducting material.

Checker plate
Solid, patterned surface.