GLASSFIBER PRODUKTER

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PRODUCT DATA SHEET

MOULDED GRATING

Moulded GRP grating

51 mm · 51 × 51 mm

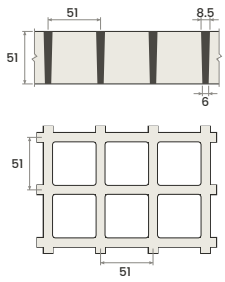
Product facts

Art. no.	15050
Type	Moulded grating
Height	51 mm
Mesh	Square, 51 × 51 mm
Panel size	1219 × 3658 mm
Weight	23.4 kg/m²
Weight per panel	104.3 kg
Colour	Grey (RAL 7001)

Technical data

Resin	Isophthalic polyester
Surface	Fine silica sand grit
Slip resistance	R13 (EN 16165:2023)
Bar thickness	8.5 / 6 mm
Opening	41.5 × 41.5 mm
Open area	69 %
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	0.2	0.3	0.4	0.6	0.8	**6 729**	**42 890**
	ΔC	0.1	0.2	0.4	0.6	0.9	1.2	1.8	2.4	**2 103**	**10 722**
700	ΔU	0.1	0.3	0.4	0.7	1.0	1.3	2.0	2.6	**2 452**	**21 882**
	ΔC	0.3	0.6	0.9	1.5	2.3	3.0	4.5	6.0	**1 073**	**7 658**
900	ΔU	0.4	0.7	1.0	1.7	2.6	3.5	5.2	6.9	**1 154**	**13 237**
	ΔC	0.6	1.2	1.9	3.1	4.6	6.2	9.3	12.3	**649**	**5 956**
1100	ΔU	0.8	1.5	2.3	3.8	5.7	7.6	11.4		**632**	**8 861**
	ΔC	1.1	2.2	3.3	5.5	8.3	11.0			**435**	**4 873**
1300	ΔU	1.5	2.9	4.3	7.2	10.8	14.5			**383**	**6 344**
	ΔC	1.8	3.6	5.3	8.9	13.4				**312**	**4 124**
1500	ΔU	2.5	5.1	7.6	12.7					**250**	**4 765**
	ΔC	2.7	5.4	8.1	13.5					**234**	**3 574**

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
23.4 kg/m², easy to move around.

Non-conductive
Non-conducting material.

Slip resistant
Fine silica sand grit gives good footing.