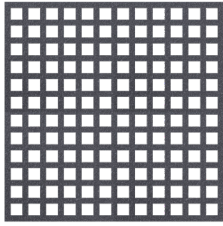


Product Datasheet

d² Dura Grating 23mm Micro Mesh



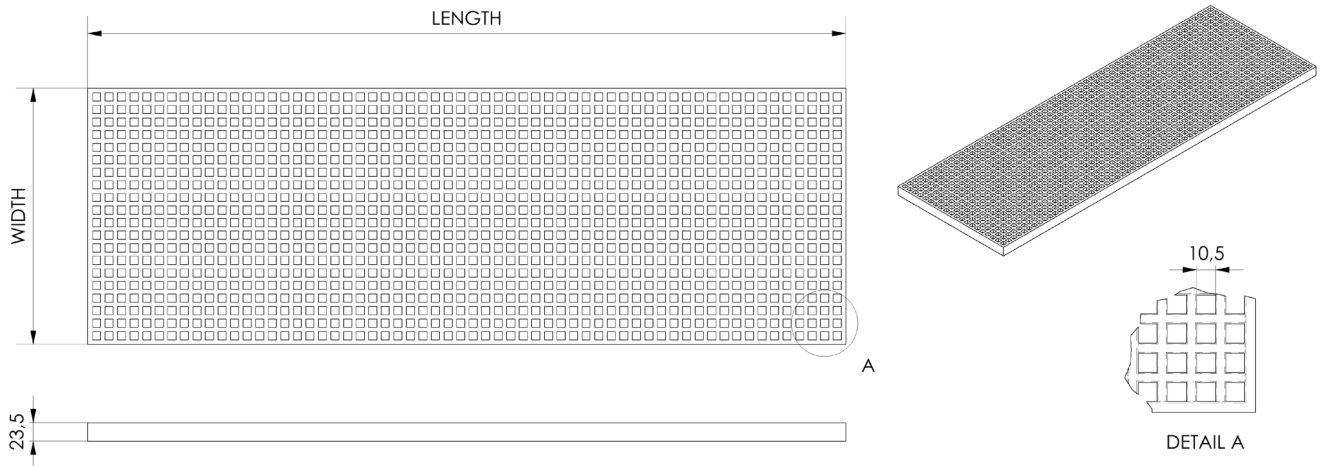
Product Description

d² Dura Grating is a new patent pending GRP grating series that takes structural flooring to the next level. Available exclusively from Dura Composites, our Micro Mesh grating range achieves a Class C fire rating according to BS EN 13501-1.

Designed, developed and manufactured by Dura Composites, d² Dura Grating's anti-slip surface is tested to over 1 million footfalls. It offers outstanding safety, performance and durability and is more cost-effective than traditional GRP grating in almost every scenario.

Product Details

Length (mm)	Width (mm)	Colours / Product Codes	Panel Weight (kg)	Weight (kg/sqm)	Open Mesh Size (mm)
3042	1041	Dark Grey (DG02321)	36.26	11.5	10.5 x 10.5
4076	1300	Dark Grey (DG02322)	60.66		
4076	1560	Dark Grey (DG02323)	72.73		



Product Applications

Common applications for d² Dura Grating Micro Mesh includes walkways, access platforms, fencing, trash screens, pontoons and low-rise balcony flooring. Due to the finer grit surface, this product is not suitable for access ramps but can easily be combined with other products in the range.

Packaging

Please see below for relevant packaging information for d² Dura Grating 23mm Micro Mesh.

Packaging	Product Information
Maximum Products Per Pallet	30
Pallet Dimensions (mm)	3010 x 1040 x 860
	4080 x 1300 x 860
	4080 x 1560 x 860
Pallet Weight (kg)	1147
	1880
	2241

Colours

Please see below for our d² Dura Grating RAL colours.

Dura Colours	RAL Number
Dark Grey ●	7043
Sand* ●	1001

*Subject to minimum order quantities.

Material

Glass Reinforced Polymer (GRP) d² Dura Grating is produced from glassfibres laminated together using an Orthophthalic Polyester Resin system and a gritted finish. It is resistant against a wide range of chemicals and temperature spectrums. Material samples are available on request, along with a copy of our chemical resistance data. Other resin types are available by special order.

Test Performance Overview

4S Slider Pendulum Test	BS EN 13501-1	BS 4592	European 20mm Ball Fall Test
PTV: 77 (dry), 72 (wet)	Class C	Compliant	Compliant

For more information please refer the Technical Installation Manual or speak to your Dura Composites Representative.

Load and Deflection Data

Deflection is shown in millimetres (mm), with all columns denoting clear spans. Green/red cell colours indicate above and below L/100, which is the equivalent of 1% deflection. To view data for alternative standard load deflection such as L/200, or specific data for your project, visit www.duracomposites.com/power-of-composites.

Point Load (PL)

	400mm	450mm	500mm	550mm	600mm	650mm
0.5 kN/ PL	0.5	1.0	1.4	1.7	1.9	2.2
1.0 kN/ PL	1.2	2.1	2.8	3.3	3.8	4.3
1.5 kN/ PL	1.8	3.2	4.2	4.2	5.6	6.5
2.0 kN/ PL	2.5	4.2	5.6	5.6	7.4	8.5
2.5 kN/ PL	3.1	5.3	6.9	6.9	9.2	10.6
3.0 kN/ PL	3.8	6.4	8.2	8.2	11.0	12.6

Maximum Spans (mm)

Load	L/100	L/200
0.5 kN	1150	890
1.0 kN	930	460
1.5 kN	660	400
2.0 kN	460	380
2.5 kN	420	370
3.0 kN	400	360

Uniformly Distributed Loads (UDL)

	700mm	750mm	800mm	850mm	900mm	950mm
1.0 kN/m ² UDL	1.7	2.1	2.6	3.3	4.0	4.9
1.5 kN/m ² UDL	2.5	3.2	3.9	4.8	5.8	7.0
2.0 kN/m ² UDL	3.4	4.2	5.2	6.4	7.7	9.2
2.5 kN/m ² UDL	4.2	5.3	6.5	8.0	9.6	11.5
3.0 kN/m ² UDL	5.0	6.3	7.9	9.6	11.6	13.8
3.5 kN/m ² UDL	5.9	7.4	9.2	11.2	13.6	16.1

Maximum Spans (mm)

Load	L/100	L/200
1.0 kN/m ²	1220	940
1.5 kN/m ²	1080	800
2.0 kN/m ²	960	710
2.5 kN/m ²	870	640
3.0 kN/m ²	800	590
3.5 kN/m ²	750	540

Key: ● = Within limits ● = Out of limits

Safety Information

It is advisable to undertake a risk assessment, with particular focus on manual handling procedures. Wear appropriate gloves and coveralls to shield skin from abrasions. If shaping the product, it is essential to factor in the potential production of dust. To mitigate this, it is vital to either suppress the dust at source or employ effective extraction methods. We strongly recommend the use of appropriate respiratory protective equipment (RPE), specifically filtering facepiece class 3 (FFP3) masks, alongside adequate eye protection to guard against dust.

Recyclability

Return to manufacturer or downcycle.

Sustainability

The embodied carbon for A1-A3 (production stage) as defined in BS EN 15804 is 3.8kg CO₂ eq/unit.

Common Fixing Options

Some of the most common stainless steel fixing options are shown below. For a full list of fixings please see the d² Dura Grating brochure.



Micro Dome Washer
(BFX01004)



Channel Clamp
(BFX01027)

Warranty

25 year limited warranty available. Please register your product with us within 30 days of your invoice date. Visit www.duracomposites.com/warranty.