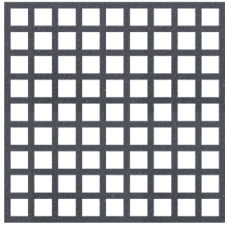


# Product Datasheet

## d<sup>2</sup> Dura Grating 23mm Mini Mesh



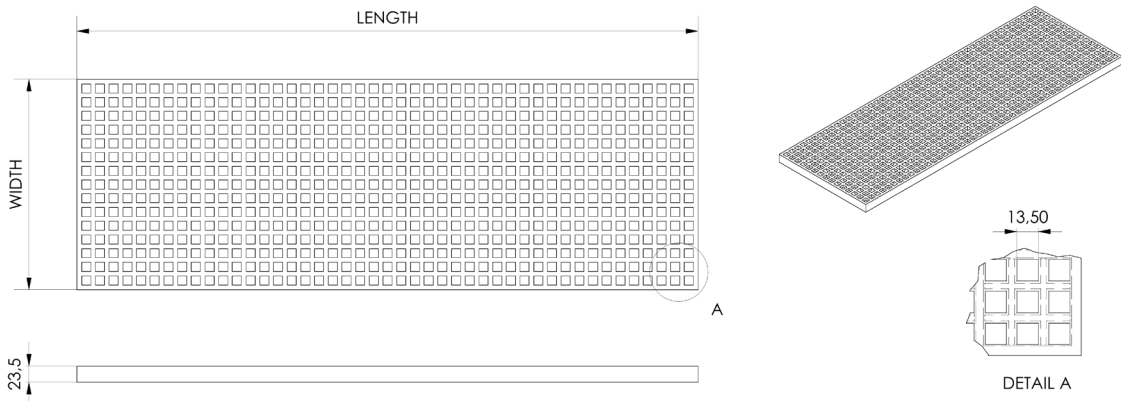
### Product Description

d<sup>2</sup> Dura Grating is a new patent pending GRP grating series that takes structural flooring to the next level. Available exclusively from Dura Composites, our Mini Mesh grating range achieves an industry-leading Class B fire rating according to BS EN 13501-1.

Designed, developed and manufactured by Dura Composites, d<sup>2</sup> 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)
3012	1029	Dark Grey (DG02309), Green (DG02315), Light Grey (DG02306), Sand (DG02303), Teak (DG02312)	34.28	11.1	13 x 13
4033	1269	Dark Grey (DG02308), Green (DG02314), Light Grey (DG02305), Sand (DG02302), Teak (DG02311)	53.95		
4033	1511	Dark Grey (DG02307), Green (DG02313), Light Grey (DG02304), Sand (DG02301), Teak (DG02310)	67.36		



### Product Applications

Common applications for d<sup>2</sup> Dura Grating include walkways, gantries, gully covers, service risers, access platforms, stair treads, ramps, bund flooring, roof walkways, fencing, gates, trash screens, pontoons, mezzanines and low-rise balcony flooring.

### Packaging

Please see below for relevant packaging information for d<sup>2</sup> Dura Grating 23mm Mini Mesh.

Packaging	Product Information
Maximum Products Per Pallet	30
Pallet Dimensions (mm)	3010 x 1030 x 860
	4030 x 1270 x 860
	4030 x 1510 x 860
Pallet Weight (kg)	1088
	1678
	2080

### Colours

Please see below for our d<sup>2</sup> Dura Grating RAL colours.

Dura Colours	RAL Number
Dark Grey	7043
Green	6035
Light Grey	7047
Sand	1001
Teak	8024

### Material

Glass Reinforced Polymer (GRP) d<sup>2</sup> 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: 80 (dry), 77 (wet)	Class B	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](http://www.duracomposites.com/power-of-composites).

### Point Load (PL)

	200mm	300mm	400mm	500mm	600mm	700mm
0.5 kN/ PL	0.4	0.4	0.7	1.2	1.8	2.6
1.0 kN/ PL	0.5	0.9	1.6	2.6	3.9	5.3
1.5 kN/ PL	0.6	1.3	2.4	3.9	5.7	7.8
2.0 kN/ PL	0.7	1.7	3.2	5.1	7.5	10.2
2.5 kN/ PL	0.9	2.1	3.9	6.4	9.3	12.6
3.0 kN/ PL	1.0	2.5	4.7	7.6	11.1	15.0

### Maximum Spans (mm)

Load	L/100	L/200
0.5 kN	1460	940
1.0 kN	940	480
1.5 kN	630	340
2.0 kN	490	270
2.5 kN	400	220
3.0 kN	340	-

### Uniformly Distributed Loads (UDL)

	600mm	700mm	800mm	900mm	1000mm	1100mm
1.5 kN/m <sup>2</sup> UDL	1.6	2.7	4.3	6.6	9.6	13.6
2.0 kN/m <sup>2</sup> UDL	2.1	3.5	5.6	8.6	12.6	17.8
2.5 kN/m <sup>2</sup> UDL	2.6	4.4	6.9	10.6	15.5	21.9
3.0 kN/m <sup>2</sup> UDL	3.1	5.2	8.3	12.6	18.5	26.0
3.5 kN/m <sup>2</sup> UDL	3.6	6.1	9.6	14.7	21.5	30.2
4.0 kN/m <sup>2</sup> UDL	4.0	6.9	11.0	16.9	24.6	34.3

### Maximum Spans (mm)

Load	L/100	L/200
1.5 kN/m <sup>2</sup>	1010	770
2.0 kN/m <sup>2</sup>	910	690
2.5 kN/m <sup>2</sup>	840	630
3.0 kN/m <sup>2</sup>	790	590
3.5 kN/m <sup>2</sup>	740	560
4.0 kN/m <sup>2</sup>	700	530

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 CO<sub>2</sub> 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 d<sup>2</sup> Dura Grating brochure.



Small Dome Washer  
(BFX01005)



M Clip  
(BFX01013)



Channel Clamp  
(BFX01027)



Offset J Clamp  
(FX01128)

## Warranty

25 year limited warranty available. Please register your product with us within 30 days of your invoice date. Visit [www.duracomposites.com/warranty](http://www.duracomposites.com/warranty).