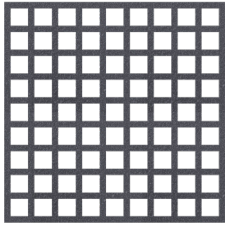


# Product Datasheet

## d<sup>2</sup> Dura Grating 55mm Mini Mesh



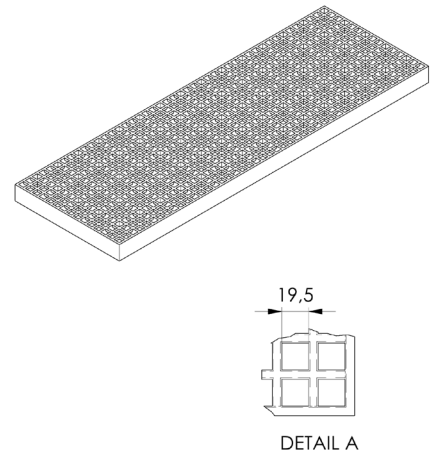
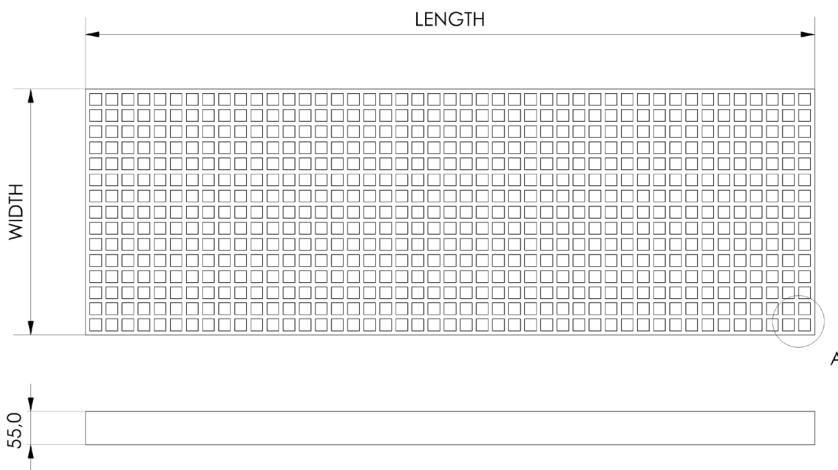
### Product Description

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)
3030	1041	Dark Grey (DG05503), Yellow (DG05512), Green (DG05522)	59.93	19.0	19.5 x 19.5
3667	1200	Dark Grey (DG05502), Yellow (DG05511), Green (DG05521)	83.61		



### 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 55mm Mini Mesh.

Packaging	Product Information
Maximum Products Per Pallet	20
Pallet Dimensions (mm)	3050 x 1050 x 1230
	3680 x 1210 x 1230
Pallet Weight (kg)	1303
	1798

### Colours

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

Dura Colours	RAL Number
Dark Grey ●	7043
Yellow ●	1012
Green ●	6035

### 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: 72 (dry)*, 62 (wet)*	Class B	Compliant	Compliant

\*Maintains 95% of slip resistance after 1.1 million footfalls.

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)

	2250mm	2300mm	2350mm	2400mm	2450mm	2500mm
1.0 kN/ PL	7.5	8.0	8.5	9.1	9.6	10.2
1.5 kN/ PL	11.0	11.6	12.3	13.1	13.8	14.6
2.0 kN/ PL	14.5	15.3	16.2	17.1	18.1	19.1
2.5 kN/ PL	18.0	19.0	20.1	21.2	22.4	23.6
3.0 kN/ PL	21.5	22.8	24.0	25.3	26.7	28.1
3.5 kN/ PL	25.0	26.4	27.9	29.4	31.0	32.5

### Maximum Spans (mm)

Load	L/100	L/200
1.0 kN	3500	2770
1.5 kN	3400	2280
2.0 kN	2960	1920
2.5 kN	2600	1650
3.0 kN	2320	1440
3.5 kN	2100	1260

### Uniformly Distributed Loads (UDL)

	1450mm	1500mm	1550mm	1600mm	1650mm	1700mm
2.5 kN/m <sup>2</sup> UDL	6.7	7.5	8.5	9.5	10.7	11.9
3.0 kN/m <sup>2</sup> UDL	8.0	9.0	10.2	11.4	12.8	14.3
3.5 kN/m <sup>2</sup> UDL	9.3	10.5	11.9	13.4	15.0	16.8
4.0 kN/m <sup>2</sup> UDL	10.7	12.2	13.7	15.4	17.3	19.2
4.5 kN/m <sup>2</sup> UDL	12.3	13.9	15.7	17.6	19.7	21.8
5.0 kN/m <sup>2</sup> UDL	14.1	15.8	17.8	19.9	22.1	24.6

### Maximum Spans (mm)

Load	L/100	L/200
2.5 kN/m <sup>2</sup>	1940	1490
3.0 kN/m <sup>2</sup>	1810	1390
3.5 kN/m <sup>2</sup>	1710	1310
4.0 kN/m <sup>2</sup>	1620	1240
4.5 kN/m <sup>2</sup>	1540	1180
5.0 kN/m <sup>2</sup>	1470	1110

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

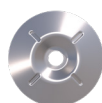
The embodied carbon for A1-A3 (production stage) as defined in BS EN 15804 is 3.8kg CO<sub>2</sub> eq/unit.

## 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.



Large Dome Washer  
(BFX01003)



Extra Large Dome Washer  
(BFX02165)



Straight J Clamp  
(FX01129)



Uni-Strut Clamps  
(DP05053)

## 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).