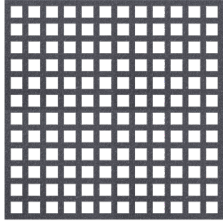


# Technical Information Sheet

## d<sup>1</sup> Dura Grating 30mm Micro Mesh

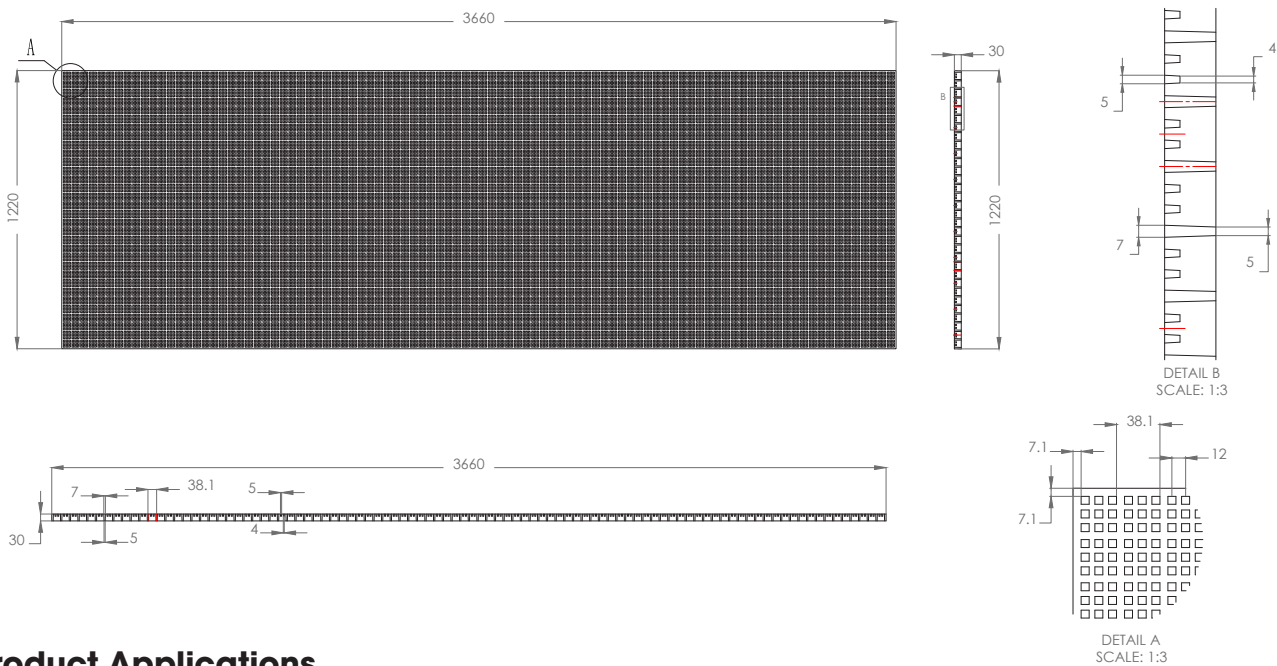


### Product Description

Designed, developed and manufactured by Dura Composites, Dura Grating's anti-slip surface is tested to over 1 million footfalls. It offers outstanding safety, performance, durability and its long lifespan makes it more cost-effective than traditional materials. Our Micro Mesh grating range achieves a Class B fire rating according to BS EN 13501-1.

### Product Details

Length (mm)	Width (mm)	Colours	Panel Weight (kg)	Weight (kg/sqm)	Open Mesh Size (mm)
3660	1220	Dark Grey/Sand	90	20.1	7.1 x 7.1



### Product Applications

Common applications for d<sup>1</sup> Dura Grating Micro Mesh includes walkways, access platforms, fencing, trash screens, pontoons and low-rise balcony flooring. Due to the fine 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 d<sup>1</sup> Dura Grating Micro Mesh.

Packaging	Product Information
Maximum Products Per Pallet	20
Pallet Dimensions (mm)	3660 x 1220 x 760
Maximum Pallet Weight (kg)*	1800

\*Panels per pallet can be reduced to suit specified max lift, but this can affect container optimisation and cost.

### Material

Glass Reinforced Polymer (GRP) d<sup>1</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.

### Colours

Please see below for our d<sup>1</sup> Dura Grating RAL colours.

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

\*Subject to minimum order quantities.

## Test Performance Overview

BS EN 13501-1	BS 4592	European 20mm Ball Fall Test
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.au/power-of-composites](http://www.duracomposites.com.au/power-of-composites).

### Point Load (PL)

	300mm	450mm	600mm	750mm	900mm	1000mm	1100mm	1200mm
1.8 kN/ PL	0.7	2.3	5.5	10.8	18.6	25.4	34.2	44.9
2.5 kN/ PL	1.1	3.9	9.2	17.9	31.9	41.9	53.3	66.1
3.5 kN/ PL	1.6	5.4	12.8	24.6	37.6	47.8	59.2	71.8
5.0 kN/ PL	2.3	7.7	18.4	31.7	48.9	62.3	77.3	94.0
6.0 kN/ PL	2.7	9.3	22.1	36.6	65.3	84.2	104.8	127.7
7.5 kN/ PL	3.4	11.5	27.7	43.0	60.3	73.7	86.9	99.5
9.8 kN/ PL	4.6	15.1	37.0	49.8	70.8	88.7	108.6	130.4

### Maximum Spans (mm)

Load	L/100	L/200
1.8 kN	332	665
2.5 kN	144	289
3.5 kN	87	174
5.0 kN	55	109
6.0 kN	-	-
7.5 kN	-	-
9.8 kN	-	-

### Uniformly Distributed Loads (UDL)

	300mm	450mm	600mm	750mm	900mm	1000mm	1100mm	1200mm
1.8 kN/m <sup>2</sup> UDL	0.1	0.3	0.8	1.5	2.6	3.5	4.8	6.2
2.5 kN/m <sup>2</sup> UDL	0.2	0.5	1.3	2.5	4.3	5.8	8.0	10.3
3.5 kN/m <sup>2</sup> UDL	0.2	0.7	1.8	3.4	6.0	8.2	11.2	15.5
5.0 kN/m <sup>2</sup> UDL	0.3	1.0	2.5	4.9	8.6	14.6	19.4	25.1
6.0 kN/m <sup>2</sup> UDL	0.4	1.2	5.9	10.3	15.5	20.2	25.5	31.4
7.5 kN/m <sup>2</sup> UDL	0.4	1.6	3.7	7.4	14.1	19.4	25.9	33.6
9.8 kN/m <sup>2</sup> UDL	0.6	2.1	5.0	9.8	18.3	24.0	30.5	37.8

### Maximum Spans (mm)

Load	L/100	L/200
1.8 kN/m <sup>2</sup>	1090	2180
2.5 kN/m <sup>2</sup>	600	1199
3.5 kN/m <sup>2</sup>	382	763
5.0 kN/m <sup>2</sup>	273	545
6.0 kN/m <sup>2</sup>	240	480
7.5 kN/m <sup>2</sup>	174	349
9.8 kN/m <sup>2</sup>	164	327

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.

## Common Fixing Options

Some of the most common stainless steel fixing options are shown below.



Micro Dome Washer  
(BFX01004)

## 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).