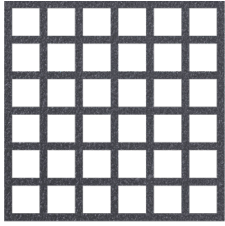


Product Datasheet

d² Dura Grating 26mm Standard Mesh



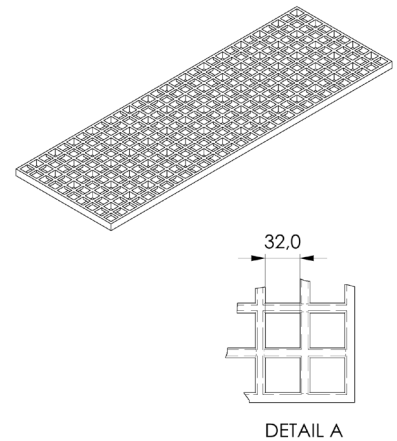
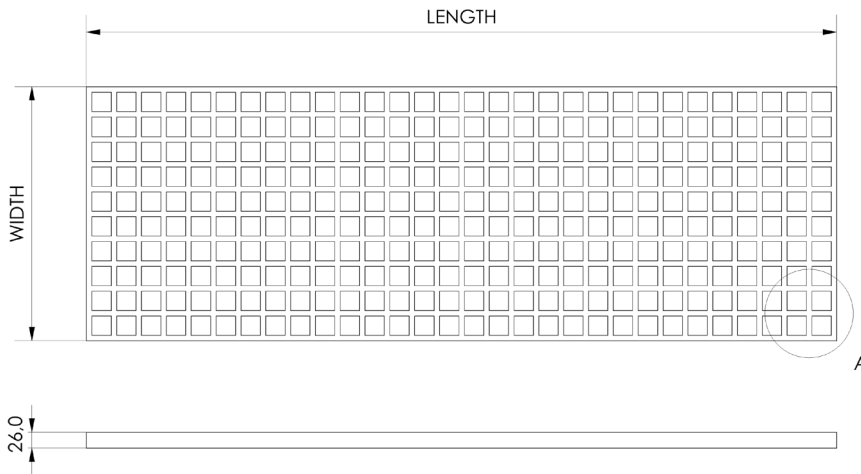
Product Description

d² Dura Grating is a Glass Reinforced Polymer (GRP) moulded grating product manufactured using advanced patent-pending composite technology which delivers an outstanding performance-to-weight ratio.

Available exclusively from Dura Composites, d² Dura Grating Standard Mesh achieves an incredible anti-slip rating of 62 in the wet (against the low slip threshold of just 36). It also benefits from an industry-leading Class B fire rating in accordance with to BS EN 13501-1.

Product Details

Length (mm)	Width (mm)	Colours / Product Codes	Panel Weight (kg)	Weight (kg/sqm)	Open Mesh Size (mm)
3043	993	Dark Grey (DG02603), Yellow (DG02612), Green (DG02622)	31.12	10.3	32 x 32
3699	1239	Dark Grey (DG02602), Yellow (DG02611), Green (DG02621)	46.82		



Product Applications

Common applications for d² 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 d² Dura Grating 26mm Standard Mesh.

Packaging	Product Information
Maximum Products Per Pallet	25
Pallet Dimensions (mm)	3050 x 1020 x 830
	3710 x 1240 x 830
Pallet Weight (kg)	868
	1268

Colours

Please see below for our d² Dura Grating RAL colours.

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

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 35mm 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.

Point Load (PL)

	550mm	600mm	650mm	700mm	750mm	800mm
0.5 kN/ PL	0.7	0.9	1.1	1.4	1.7	2.0
1.0 kN/ PL	1.9	2.4	2.9	3.5	4.1	4.8
1.5 kN/ PL	3.0	3.8	4.5	5.4	6.3	7.3
2.0 kN/ PL	4.1	5.0	6.1	7.2	8.4	9.7
2.5 kN/ PL	5.1	6.3	7.6	9.0	10.5	12.1
3.0 kN/ PL	6.1	7.5	9.1	10.7	12.6	14.5

Maximum Spans (mm)

Load	L/100	L/200
0.5 kN	1850	1280
1.0 kN	1210	700
1.5 kN	860	510
2.0 kN	680	420
2.5 kN	580	370
3.0 kN	510	340

Uniformly Distributed Loads (UDL)

	550mm	600mm	650mm	700mm	750mm	800mm
2.5 kN/m ² UDL	1.5	2.2	3	4	5.2	6.6
3.0 kN/m ² UDL	1.7	2.6	3.6	4.8	6.2	7.9
3.5 kN/m ² UDL	1.8	2.7	3.9	5.4	7.1	9.1
4.0 kN/m ² UDL	1.9	2.9	4.2	5.9	7.9	10.1
4.5 kN/m ² UDL	1.9	3.1	4.7	6.7	8.9	11.4
5.0 kN/m ² UDL	2.1	3.6	5.4	7.7	10.3	13.2

Maximum Spans (mm)

Load	L/100	L/200
2.5 kN/m ²	860	660
3.0 kN/m ²	800	620
3.5 kN/m ²	760	610
4.0 kN/m ²	730	600
4.5 kN/m ²	710	590
5.0 kN/m ²	680	570

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.



Large Dome Washer
(BFX01003)



Extra Large Dome Washer
(BFX02165)



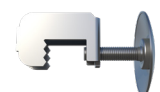
M Clip
(BFX01013)



Offset J Clamp
(FX01128)



Large Square Recessed Clip
(BFX01006)



Jaw Clamp
(FX01033)

Warranty

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