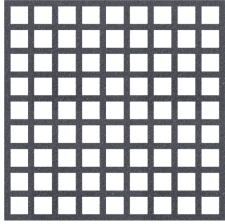


Technical Information Sheet

d² Dura Grating 23mm Mini Mesh



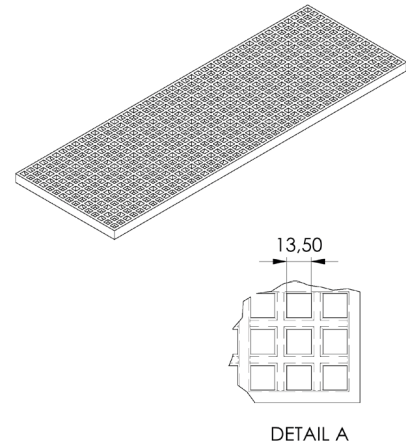
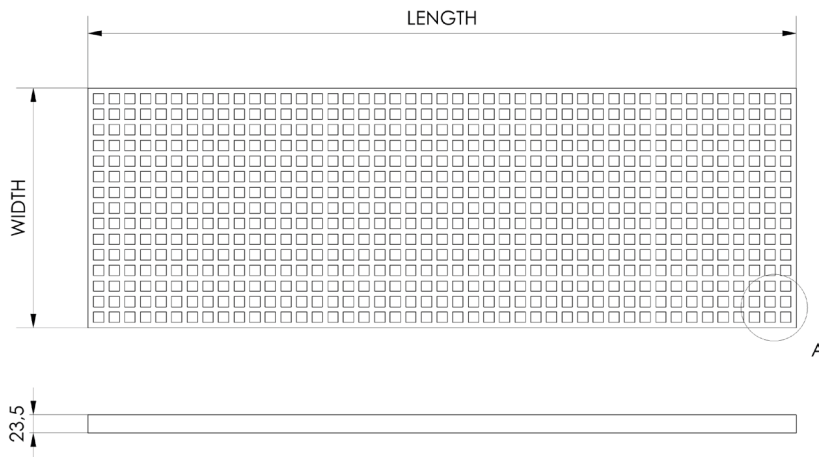
Product Description

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 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, 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) |
|-------------|------------|--|-------------------|-----------------|---------------------|
| 3007 | 1027 | Dark Grey (DG02309), Green (DG02315), Light Grey (DG02306), Sand (DG02303), Teak (DG02312) | 34.28 | 11.1 | 13.3 x 13.3 |
| 4027 | 1267 | Dark Grey (DG02308), Green (DG02314), Light Grey (DG02305), Sand (DG02302), Teak (DG02311) | 53.95 | | |
| 4027 | 1507 | Dark Grey (DG02307), Green (DG02313), Light Grey (DG02304), Sand (DG02301), Teak (DG02310) | 67.36 | | |



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 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 d² 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) 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: 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)

| | 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 ² UDL | 1.6 | 2.7 | 4.3 | 6.6 | 9.6 | 13.6 |
| 2.0 kN/m ² UDL | 2.1 | 3.5 | 5.6 | 8.6 | 12.6 | 17.8 |
| 2.5 kN/m ² UDL | 2.6 | 4.4 | 6.9 | 10.6 | 15.5 | 21.9 |
| 3.0 kN/m ² UDL | 3.1 | 5.2 | 8.3 | 12.6 | 18.5 | 26.0 |
| 3.5 kN/m ² UDL | 3.6 | 6.1 | 9.6 | 14.7 | 21.5 | 30.2 |
| 4.0 kN/m ² 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 ² | 1010 | 770 |
| 2.0 kN/m ² | 910 | 690 |
| 2.5 kN/m ² | 840 | 630 |
| 3.0 kN/m ² | 790 | 590 |
| 3.5 kN/m ² | 740 | 560 |
| 4.0 kN/m ² | 700 | 530 |

Key: ● = Within limits ● = Out of limits

Safety Information

Use diamond tipped tools for cutting and wear mask and goggles when cutting or grinding. Cover exposed parts of the body. Wear gloves when moving or lifting. Product itself is not considered a hazardous waste. Please ensure that you abide by local laws and procedures regarding disposal if you choose not to upcycle or re-use your product at the end of its initial lifecycle.

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.



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.