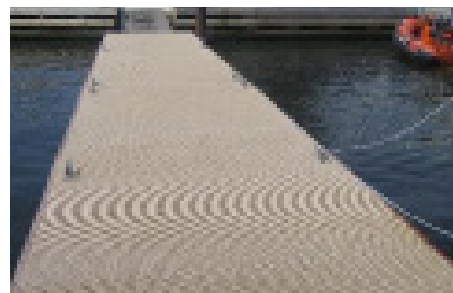
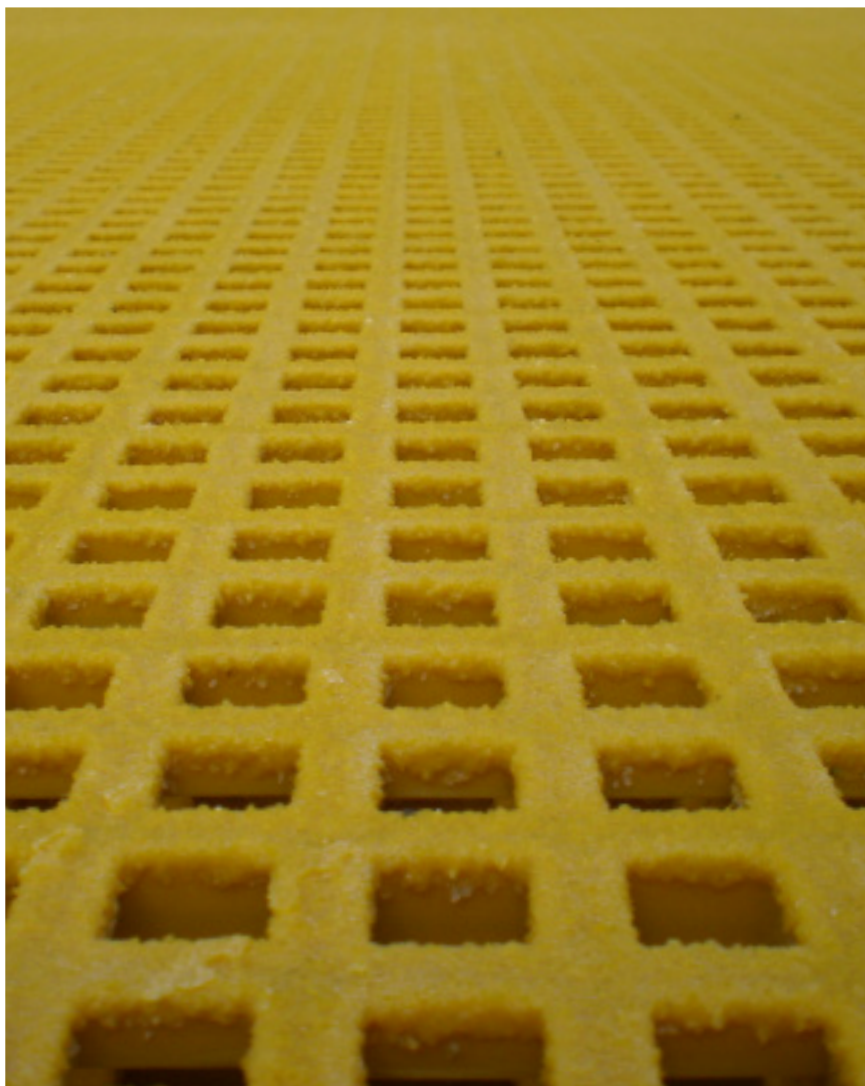


DATASHEET DS-DSP-09

MINI AND MICRO MESH FIBREGLASS GRATING



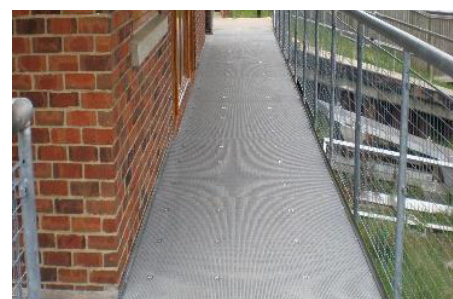
Pontoon Decking



Roof Top Walkways



Drain Covers



Raised Walkway

BENEFITS

- ✓ Excellent anti-slip properties (BS 7976-2).
- ✓ (BS EN 9239-1/ASTM E 84 Class 1).
- ✓ BS 4592 compliant.
- ✓ Corrosion resistant.
- ✓ Fire resistant.
- ✓ Non-conductive.
- ✓ Non-magnetic.
- ✓ Bi-directional spanning.
- ✓ Light weight.
- ✓ Easy to install.
- ✓ Long lasting and durable.
- ✓ uV Stable.
- ✓ Thermally stable.
- ✓ Minimal scrap value.

A corrosion resistant, high-strength, light-weight, anti-slip alternative to conventional Galvanised and Stainless Steel grating.

MINI AND MICRO MESH FIBREGLASS GRATING

MATERIAL CHARACTERISTICS



Quality Assurance

Manufactured in accordance with our ISO 9001 accredited Quality Management System, the structural integrity of the specified material is high grade. A suggested life span of 25 years is expected, but not guaranteed, and is based on a number of variables: environmental, installation process, maintenance, loading and traffic conditions.



Chemical Resistance

GRP is resistant to a wide range of chemicals, across a wide temperature spectrum. GRP can be made using different resin systems to achieve specific chemical resistant properties. Please refer to our separate chemical resistance chart DS-DST-10.



Slip Resistance

The integral angular quartz gritted surface has been Tested in accordance with BS7976-2 and provides an exceptional level of slip resistance. Lifespan depends on frequency of use.



Fire Resistance

All products contain a fire resistant additive and comply with Euro Class 1 and ISO11952-2. Performance is equivalent to ASTM E84 class 1 and BS476 part 7 class 2 flame spread to give a 30 minute burn time.



Self-Coloured.

All Quartzgrip™ Moulded Fibreglass grating is pigmented throughout during manufacture, and does not require any secondary treatment such as powder coating or paint spraying. Standard Stock Colours are Green (RAL6001) Grey (RAL7004) and Beige (RAL1003). Bespoke colours available upon request.



Light Weight and Durable.

Weighing around 1/3 of an alternative steel grating, Quartzgrip™ moulded fibreglass grating is lightweight in comparison, and can be manoeuvred into place without mechanical assistance.

Quartzgrip™ Moulded Grating is exceptionally durable, and has the ability to withstand impact, reducing the risk of permanent buckling and deformation.



UV Stable

All panels are manufactured with a high quality UV inhibitor to prevent colour degradation.

FOR MORE INFO

Call: 01206 322 899

Email: sales@deck-safe.co.uk

Visit: www.decksafe.co.uk

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DATASHEET DS-DSP-09

MINI AND MICRO MESH FIBREGLASS GRATING

Mini Mesh Panels (20 x 20mm Mesh).

| Panel Type | Panel Depth (mm) | Weight (KG/M) | Mesh Pitch - internal mesh (mm) | Open Area | Resin Base | Standard Colours | Surface Finish | Panel Sizes (mm) |
|-----------------|------------------|---------------|---------------------------------|-----------|------------|-----------------------------|----------------|-------------------------------------------|
| Pontoon Topping | 14 | 9.3 | 20 x 20 (12 x 12) | 42% | Ortho- FR | Green, Yellow, Black, Beige | Gritted | 3007 x 1007 3687 x 1247 |
| Standard Duty | 22 | 16 | 20 x 20 (12 x 12) | 42% | Ortho- FR | Grey, Green, Beige | Gritted | 2007 x 1527 3007 x 1007 4047 x 1247 |
| Medium Duty | 30 | 18.8 | 20 x 20 (12 x 12) | 42% | Ortho- FR | Grey, Green, Beige | Gritted | 3007 x 1007 4047 x 1247 |
| Heavy Duty | 38 | 24.5 | 20 x 20 (12 x 12) | 42% | Ortho- FR | Grey, Green, Beige | Gritted | 3007 x 1007 4047 x 1247 |

Micro Mesh Panels (12 x 12mm Mesh).

| Panel Type | Panel Depth (mm) | Weight (KG/M) | Mesh Pitch - internal mesh (mm) | Open Area | Resin Base | Standard Colours | Surface Finish | Panel Sizes (mm) |
|---------------|------------------|---------------|---------------------------------|-----------|------------|------------------|----------------|----------------------------|
| Standard Duty | 22 | 16.5 | 12 x 12 (8 x 8) | 42% | Ortho- FR | Grey, Beige | Gritted | 2007 x 1527 4047 x 1247 |
| Medium Duty | 30 | 19.58 | 12 x 12 (8 x 8) | 42% | Ortho- FR | Grey, Green | Gritted | 3007 x 1007 4047 x 1247 |

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MINI AND MICRO MESH FIBREGLASS GRATING

Load and Deflection Data

| Moulded Mini Mesh Grating | | | Unsupported Span (unfixed) over 1m width | | | | | | |
|---------------------------|-------------|------------|------------------------------------------|------|------|------|------|------|------|
| Thickness | Self-weight | Load Type | 300 | 500 | 600 | 750 | 1000 | 1200 | 1500 |
| 14 | 10 | Point Load | 650 | 230 | 155 | 95 | 50 | 30 | 10 |
| | | UDL | 1025 | 365 | 250 | 155 | 80 | 50 | 25 |
| 22 | 16 | Point Load | 2885 | 1030 | 715 | 450 | 245 | 165 | 95 |
| | | UDL | 5945 | 2135 | 1480 | 960 | 520 | 355 | 215 |
| 30 | 18.8 | Point Load | 6710 | 2410 | 1670 | 1060 | 585 | 400 | 245 |
| | | UDL | 10740 | 3860 | 2675 | 1705 | 950 | 650 | 405 |
| 38 | 23.1 | Point Load | 11825 | 4245 | 2945 | 1875 | 1045 | 715 | 445 |
| | | UDL | 18920 | 6805 | 4720 | 3010 | 1685 | 1160 | 725 |

| Moulded Micro Mesh Grating | | | Unsupported Span (unfixed) over 1m width | | | | | |
|----------------------------|-------------|------------|------------------------------------------|-------|-------|-------|--------|--------|
| Thickness | Self-weight | Load Type | 250mm | 500mm | 600mm | 750mm | 1000mm | 1200mm |
| 22 | 16.5 | Point Load | 1239 | 352 | 241 | 151 | 81 | 35 |
| | | UDL | 2587 | 1210 | 696 | 351 | 143 | 53 |
| 30 | 19.58 | Point Load | 2449 | 962 | 665 | 422 | 233 | 159 |
| | | UDL | 5104 | 2547 | 1886 | 961 | 400 | 110 |

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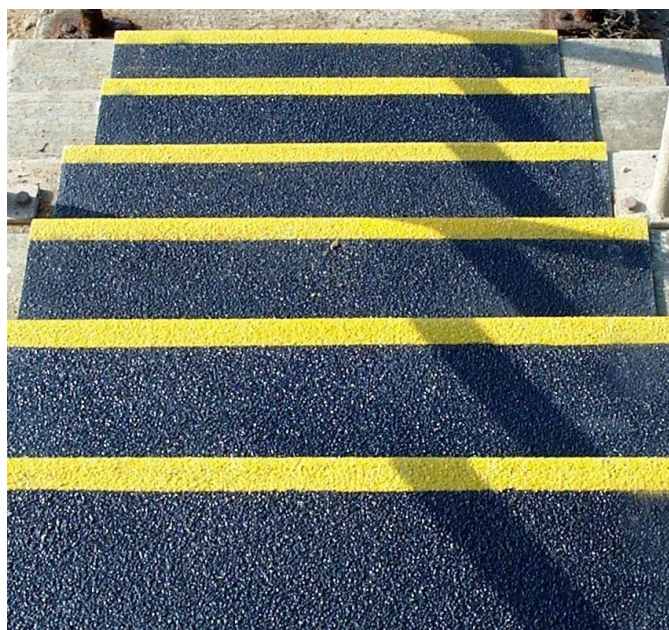
DATASHEET DS-DSP-09

MINI AND MICRO MESH FIBREGLASS GRATING

Related Products



Ladders



Stair Tread Covers & Nosing



Roof Access



Handrail

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