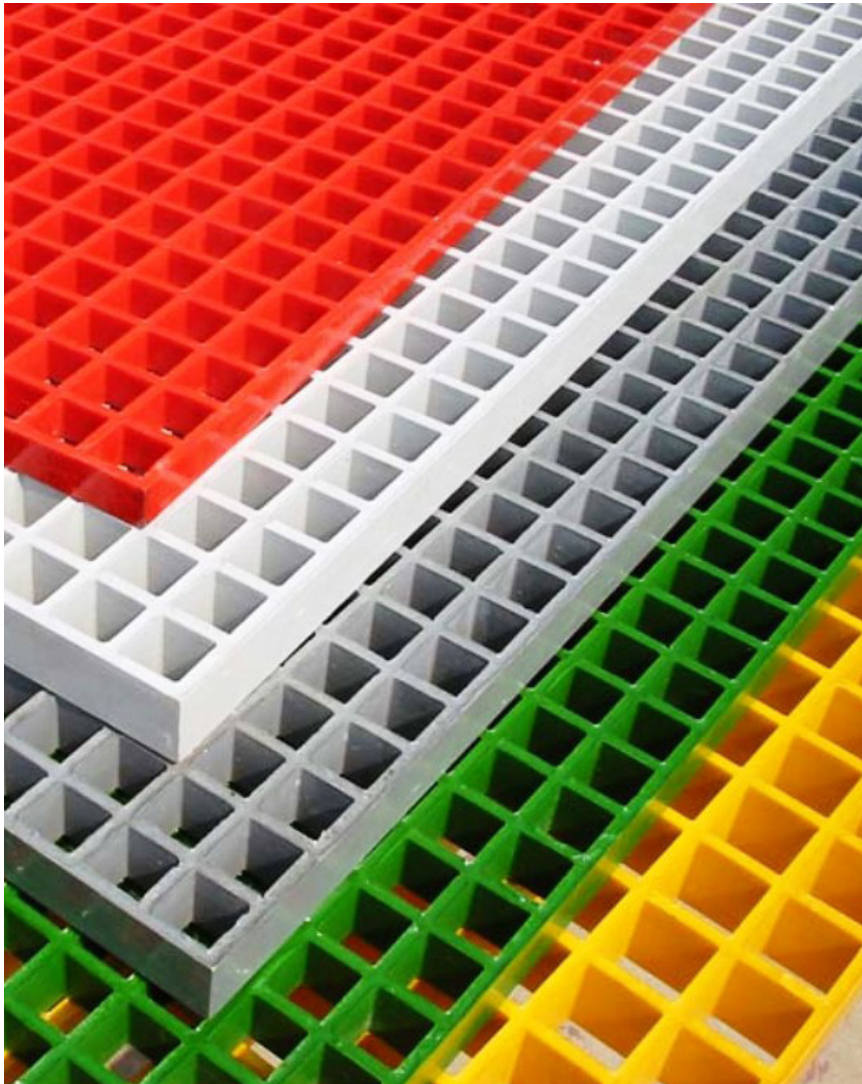
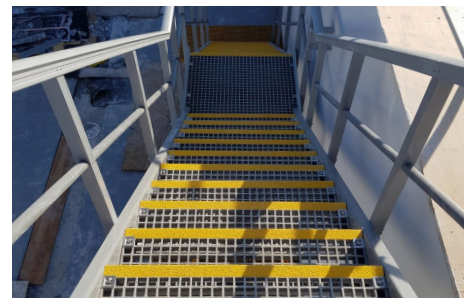


DATASHEET DS-DSP-04

MOULDED OPEN MESH GRATING



Rooftop Access



Stair Treads



Walkways



Service Riser

BENEFITS

- ✓ Anti-slip properties (BS 7976-2).
- ✓ Non-conductive.
- ✓ Non-magnetic.
- ✓ Bi-directional spanning.
- ✓ Light weight.
- ✓ Easy to install.
- ✓ Long lasting and durable.
- ✓ High strength.
- ✓ Cost effective.
- ✓ UV stable.
- ✓ Thermally stable.
- ✓ Minimal scrap value.
- ✓ Self-Coloured

V4-25.01.2019

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

MOULDED OPEN MESH 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 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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MOULDED OPEN MESH GRATING

Standard Stock Panels

Panel Type	Panel Depth (mm)	Weight (KG/M ²)	Mesh Pitch - Internal Mesh (mm)	LOad Data (UDL) KG/M ²	Resin Base	Standard colours	Surface Finish	Panel Sizes (mm)
Screen Guard	12	5	50 x 50 (43.6 x 43.6)	n/a	Ortho-FR	Grey	Smooth	3660 x 1220 2440 x 1220
Light Duty	25	12.1	38 x 38 (32 x 32)	300	Iso-FR	Grey Green Yellow	Gritted	1987 x 997 3012 x 997 3660 x 1220
Light Duty	25	12.1	38 x 38 (32 x 32)	300	Iso-FR	Grey	Concave	3660 x 1220
Light Duty	25	12.1	38 x 38 (32 x 32) (100x 25)	300	Vinyl - Ester	Grey	Gritted	3660 x 1220
Medium Duty	30	15.5	38 x 38 (32 x 32)	600	Iso-FR	Grey	Gritted	3660 x 1220
Standard Duty	38	18.2	38 x 38 (32 x 32)	900	Iso-FR	Grey Green Yellow	Gritted	1987 x 997 3012 x 997 3660 x 1220
Standard Duty	38	18.2	38 x 38 (32 x 32)	900	Iso-FR	Grey	Concave	3660 x 1220
Standard Duty	38	18.2	38 x 38 (32 x 32)	900	Vinyl - Ester	Grey	Gritted	3660 x 1220
Heavy Duty	50	22	50 x 50 (43.2 x 43.6)	1645	Iso-FR	Grey Green Black Yellow	Gritted	1990 x 1024 3000 x 1024 3660 x 1220
Extra Heavy Duty	63mm	521	38 x 38 (32 x 32)	7560		Upon Application	Gritted	Upon Application

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MOULDED OPEN MESH GRATING

Mechanical and Physical Data of Standard Mesh Moulded Fibreglass Grating (25, 30, 38 and 50mm)

Grating Depth (mm)	Bar Thickness		Per 300mm of Width				No of Bars Per 300mm	% Glass Content	Weight KG/M ²	% Open Area
	Top	Btm.	cm ²	cm ³	cm ⁴	EI KG/M ²				
28 x 38	6.5	5.5	11.5	4.91	6.24	119	8	32	12	69
30 x 38	6.5	5.5	13.3	6.6	9.9		8	32	14.2	69
38 x 38	6.5	5.5	17.6	10.64	21.38	275	8	32	19	69
50 x 50.8	7.9	6.4	20.1	16.8	42.8		6	32	21.7	71
50 x 25	10	8.0					12	32	41	48

Load and Deflection Data

Moulded Standard Grating			Unsupported Span (unfixed) over 1m width						
Thickness	Self-weight	Load Type		500	600	750	1000	1200	1500
25	12	Point Load	2390	855	590	375	205	135	80
		UDL	3830	1375	950	605	335	225	135
30	14.2	Point Load	3795	1360	940	595	330	220	135
		UDL	6075	2180	1510	960	535	365	225
38	19	Point Load	8220	2950	2045	1300	725	495	305
		UDL	13155	4730	3280	2090	1165	800	500
50	21.7	Point Load	16445	5910	4100	2615	1460	1005	630
		UDL	26315	9465	6565	4195	2350	1620	1025
60	51	Point Load	21215	7620	5280	3365	1870	1275	785
		UDL	33955	12205	8465	5400	3015	2070	1295

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DATASHEET DS-DSP-04

MOULDED OPEN MESH GRATING

Related Products



Flat Plate



Mobile and Fixed Steps



Profiles



Handrail



Ladders



Ramps

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