

INTERLOCKING PANELS

DATASHEET



Step on Safety

General Information

SafeSlabHD™ interlocking Pultruded Structural Panels are fast becoming the cost effective solution for light and heavy duty environments that require a solid finish. Suitable for a variety of heavy duty commercial, industrial, marine and rail applications, the interlocking edges ensure a seamless fit that can be made water-resistant by adding sealant. Can be manufactured to suit BS 124 specifications (Class B125 and C250 vehicular ratings).

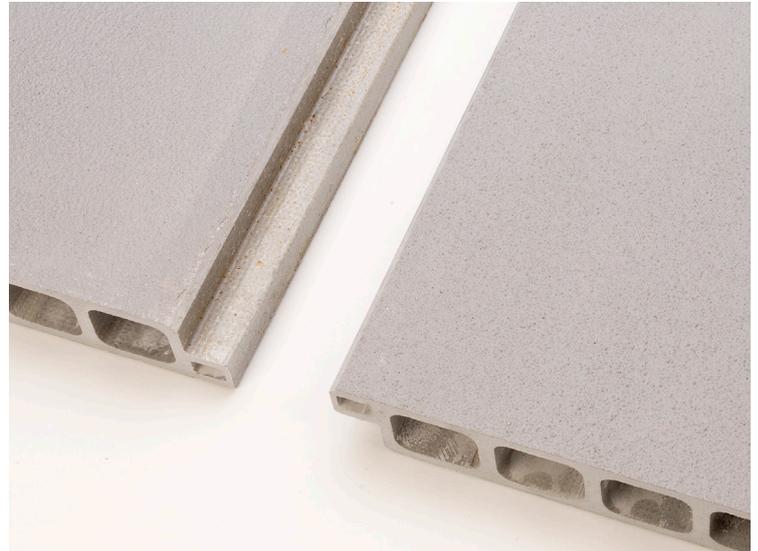
Our Interlocking Pultruded GRP Structural panels are available from stock in 50mm thick and to order in 100mm thick. Both are supplied with either Top Grit or Bottom Grit finishes; alternate between the two to create a solid, continuous surface suitable for pedestrian and vehicular traffic.

Benefits:

- Anti-slip
- High strength
- Lightweight
- Low maintenance
- Fire retardant
- Corrosive resistant
- UV stable
- Chemical resistant
- Anti-static
- Non Conductive

Colours

Step on Safety manufacture the Pultruded Structural Panels in **Grey RAL 7004**. However any RAL colour is available although minimum order quantities apply.



SAFESLABHD™
a Step on Safety brand

FOR MORE INFORMATION

Call: 01206 396 446

Email: sales@steponsafety.co.uk

Visit: www.steponsafety.co.uk

Page 1 of 2

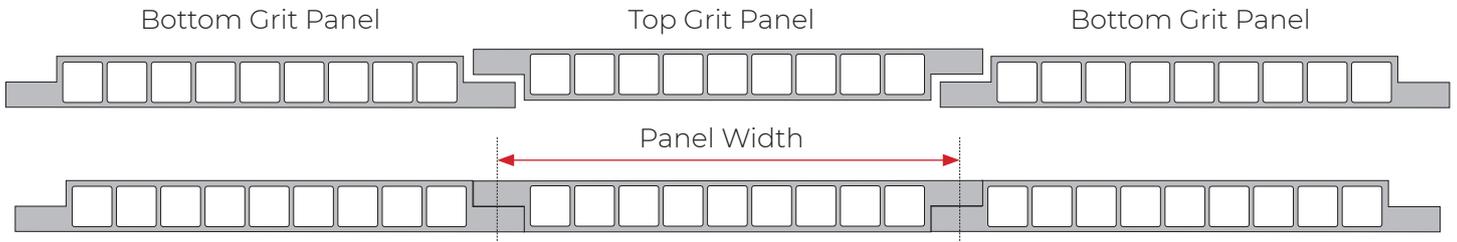
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Physical & Mechanical Data



Physical Data

Panel Depth (mm)	Panel Width (mm)	Panel Length	Resin Base	Weight (kg/m ²)	Surface Finish
50	475	3660	ISO	36.5	Gritted/Smooth
100	600	To order	ISO	77	Gritted/Smooth

Manufacturing Tolerances

- Standard Panel Size = +2mm, -0mm
- Cut Panel Size = ±3mm
- Thickness = ±1mm
- Mesh Pattern = ±0.5mm

Load/Deflection Data

SafeSlabHD™ Interlocking Solid Top Panels				Unsupported Span (unfixed)					
Thickness	Self-weight	Deflection	Load Type	600	1000	1200	1500	2000	2500
50	36.5	1.5% (L/300)	UDL (kg/m ²)	2000*	8100*	4200*	2500	1030	530
50	36.5	3.0% (L/300)	UDL (kg/m ²)	16900	4000	2100	1200	520	260
100	77	1.5% (L/300)	UDL (kg/m ²)	51000†	30600	24500	20400	9300	4900
100	77	3.0% (L/300)	UDL (kg/m ²)	51000	30600	17600	10600	4700	2400

Network Rail Standard Maintenance/Pedestrian Loading

Thickness	Self-weight	Deflection	Class	600	1000	1200	1500	2000	2500
50	36.5	3.0% (L/300)	5kN/m ²	Pass	Pass	Pass	Pass	Pass	
100	77	3.0% (L/300)	5kN/m ²	Pass	Pass	Pass	Pass	Pass	Pass

*Meets BS EN 124:B125 (5T Rated) up to 1200mm span †Meets BS EN 124:C259 up to 600mm span



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