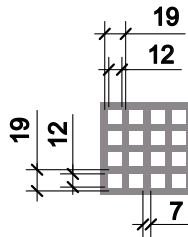


Product Data Sheet SMD Profile Details and Sectional Properties

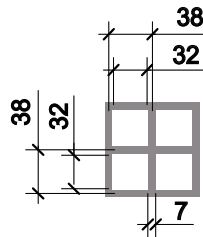
VOIDSAFE® Protection System



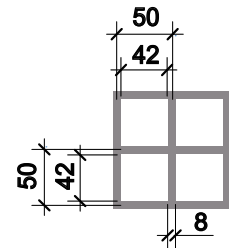
VSX™



VS19™



VS38™



VS50™

Description

VoidSafe® Protection System can significantly improve site logistics and safe access throughout the floor area. Perfect for minimising risk on construction sites, this non-slip, void covering solution can be installed as part of the decking operations to eliminate the need for traditional handrail helping reduce programme times and obstructions in the work area.

Benefits

- Non-slip surface
- Installed as part of the deck operations
- Reduces interface between trades
- Services easily incorporated*

* Additional support may be required when forming holes in VoidSafe® panels

Depth

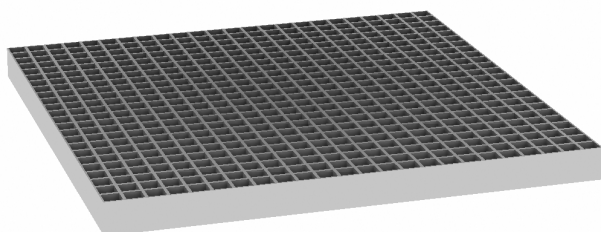
- 38mm
- 50mm

Specification

- 1220mm x 3660mm sheet size (cut to suit size of opening)

Material

- Orthophthalic
- Isophthalic



Finishes

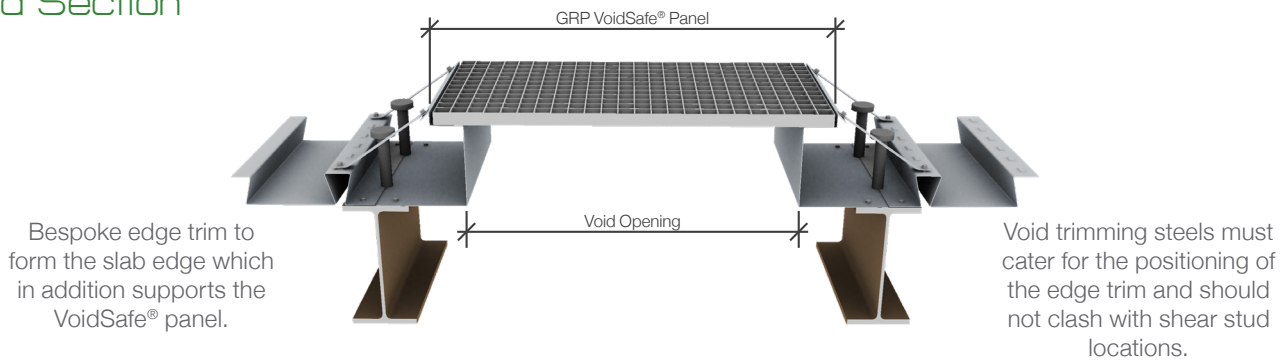
- Gritted non-slip Surface

Product Properties

Product	Grid Centres (mm)	Voided Area	Top Surface Grid Hole (mm)	Depth (mm)	Colour Options				Panel Weight (kg/m ²)
					Green	Yellow	Red	Grey	
VSX	38*	0%	No Holes	38	✓	✓	✗	✓	24.4
VS19	19/38*	40%	12	38	✓	✓	✗	✓	23.5
VS38	38	67%	32	38	✓	✓	✗	✓	19.5
VS50	50	72%	42	50	✓	✓	✗	✓	23.7

** VSX is manufactured on a 38mm mesh grid panel with a solid top surface. *** VS19 is manufactured on a 38mm mesh grid panel with a 19mm grid top surface.

Void Section



Temporary Construction Condition

The maximum span of the VoidSafe® prior to concreting is 1.7m, based on:-

- A maximum of 1.0kN/m² (100kg) is applied to the VS panel during construction – in accordance with BS EN 1991-1-6 table 4.1.
- 2.0mm gauge edge trim
- Maximum 250mm slab depth
- Standard fixings to the trim @ max. 250mm centres or enhanced Hilti X-ENP @ max. 500mm centres
- If VoidSafe is requested to an upstand where the height is greater than 250mm, then the VoidSafe should not be walked on until the concrete for the upstand has cured. A safety note will need to be added to the drawing where this occurs.

The maximum span may reduce depending on the overhang of the supporting VS edge trim. For more information on VoidSafe® trim specification, refer to SMD document SMD-STA-1220.

Final Condition

Once the concrete has been installed and cured, the load limits increase as shown in the table below. These loading figures are governed by deflection based on a maximum of span/100.

Final Condition Load Tables

		Span (m) Results are Load (kg)								
Product	Load Type	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7
VS19	Point Load	1000	1000	1000	600	400	200	200	150	100
	UDL	1000	1000	1000	1000	600	300	200	150	100
VS38	Point Load	1000	1000	1000	600	400	200	200	150	100
	UDL	1000	1000	1000	1000	500	300	200	150	100
VSX	Point Load	1000	1000	1000	800	600	400	300	200	200
	UDL	1000	1000	1000	1000	800	600	300	200	200
VS50	Point Load	1000	1000	1000	800	400	300	200	200	150
	UDL	1000	1000	1000	1000	800	400	300	200	150