

### Permaflor BG3S, BG3LS, BG5S & BG6S

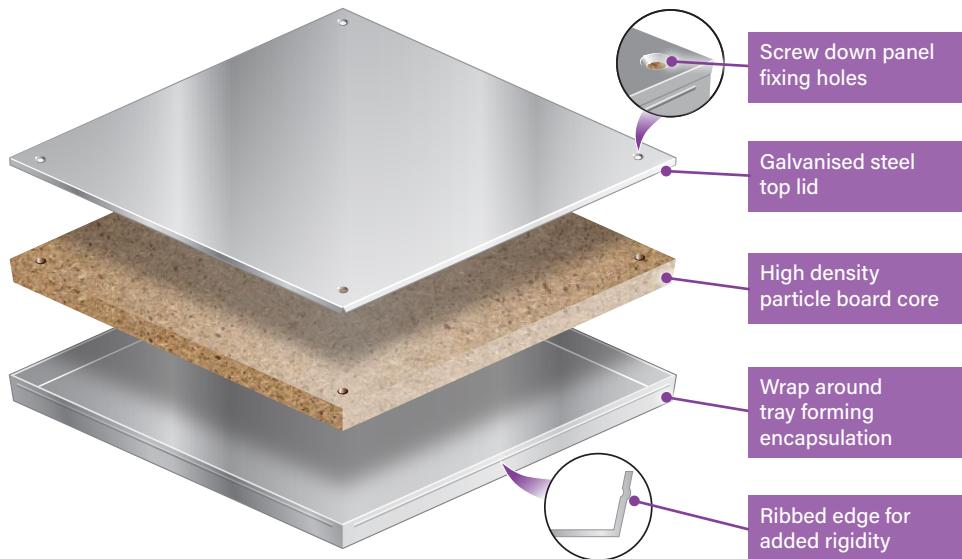
Tested in accordance with BS EN 12825:2001 for raised access floors

#### Class 3, 5 & 6 Panel

#### For: General and Heavy Office use

The fully encapsulated panel comprises of a steel top and base plate that are adhesive bonded and mechanically pressed around an FSC® certified high density particle board core for greater strength and durability.

It is designed to be screwed down with complete electrical continuity and has a high resistance to damage.



Panels			
PRODUCT CODE	PANEL CLASS	THICKNESS (Nominal)	SYSTEM WEIGHT
BG3S	3	31mm	30kg/m <sup>2</sup>
BG3LS*	3	26mm	32kg/m <sup>2</sup>
BG5S**	5	31mm	33kg/m <sup>2</sup>
BG6S**	6	32mm	36kg/m <sup>2</sup>

System Performance			
ULTIMATE LOAD †			
In excess of	8 kN		
In excess of	8 kN		
In excess of	10 kN		
In excess of	12 kN		

Acoustic Performance					
AIRBOURNE			IMPACT		
Bare	Covering	Barrier	Bare	Covering	Barrier
43 dB	45 dB	51 dB	68 dB	55 dB	56 dB
43 dB	45 dB	51 dB	68 dB	55 dB	56 dB
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#### Technical

FIRE PERFORMANCE Class 'O' spread of flame, BS476-6 & BS476-7.

KEY DIMENSIONAL Length:  $\pm 0.4\text{mm}$ ; Square:  $600 \times 600 \pm 0.5\text{mm}$ ; Thickness  $\pm 0.5\text{mm}$ .

#### Pedestal Options



Steel pedestals are electro plated and coated with an environmentally friendly clear passivation.

**BM** Void Range 50 - 185mm    **BH** Void Range 26 - 675mm  
**BE** Void Range 185 - 475mm    **BX** Void Range 675 - 1525mm

Pedestal caps available for all requirements and include a brass insert for electrical continuity. Pivot pedestal head and nickel plated pedestals also available.

#### Gravity Laid Option

This system is available without pre-drilled holes allowing the panels simply to be gravity laid on to the pedestal. (Please see separate datasheet)

#### Underfloor Plenum

This system can be supplied with neoprene gaskets to minimise air loss through the raised floor surface from the underfloor plenum to aid air circulation, distribution and management.

#### Stringers

Recommended for additional lateral stability in the following applications:

- 600-800mm void heights: Clip-on stringer system
- >800mm void heights: Screw-down stringer system

\* Acoustic performance could be less than shown based on density and thickness of the particleboard. (figures shown are based on tests for the 30mm steel encapsulated panel).

\*\* Acoustic performance is expected to perform in excess of these figures based on the density and thickness of the particleboard. (figures shown are based on tests for the 30mm steel encapsulated panel).

† Working load = ultimate load/chosen safety. There are two classes of safety factor, either x2 or x3.

• Finished floor heights from 60mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.

• Structural performance based upon a full Bathgate system i.e. panels & pedestals.

• Working load given by dividing ultimate load by the chosen safety factor (Ultimate load is sometimes called failure load and working load is sometimes called design load as well as nominal load).



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