BS EN
Steel Encapsulated Panel

BG3, BG3L, BG5 & BG6

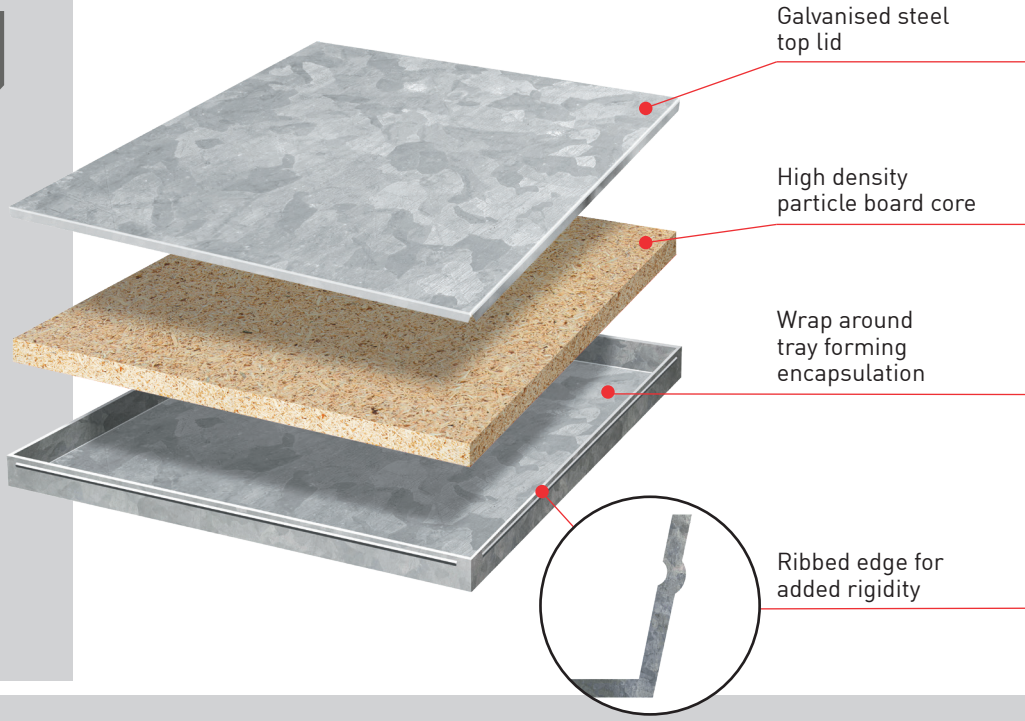
Tested in accordance with BS EN 12825:2001 for raised access floors

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 a high density particle board core for greater strength and durability.

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



Panels

Product Code	Panel Class	Thickness (Nominal)	System Weight
BG3	3	31mm	30kg/m²
BG3L*	3	26mm	32kg/m²
BG5**	5	31mm	33kg/m²
BG6**	6	32mm	36kg/m²

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
43 dB	45 dB	51 dB	68 dB	55 dB	56 dB
43 dB	45 dB	51 dB	68 dB	55 dB	56 dB

Screw Down Option

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still providing full access to the floor void. (Please see separate data sheet)

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

Technical

Fire Performance	Class 'O' spread of flame, BS476-6 & BS476-7.
Key Dimensional	Length: ± 0.4mm; Square: 600×600 ± 0.5mm; Thickness ± 0.5mm

Pedestal Options

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

BM Void Range 50 - 185mm
BE Void Range 185 - 475mm
BH Void Range 26 - 675mm
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.

* 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 RMF Access Floor 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).

RAISED MODULAR FLOORING

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