

## Permaflor BE3V, BE5V & BE6V

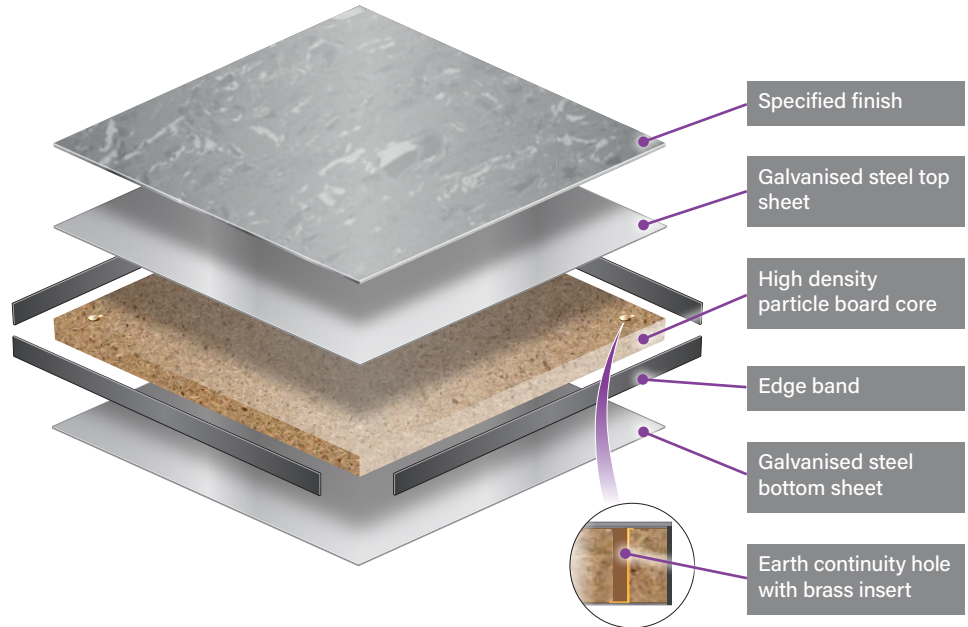
Tested in accordance with BS EN 12825:2001 for raised access floors

### Class 3, 5 & 6 Panel

#### For: Data Centre and Server Room use

The panel comprises of a galvanised steel top and bottom sheet that are bonded to an FSC® certified, high density particle board core for greater strength and durability. The panel offers a static dissipative Vinyl or other customer approved finish, then the panel is finished with a full edge banding.

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
BE3V	3	33mm	33kg/m <sup>2</sup>
BE5V**	5	33mm	35kg/m <sup>2</sup>
BE6V**	6	42mm	45kg/m <sup>2</sup>

System Performance	
ULTIMATE LOAD*	
In excess of	8.0 kN
In excess of	10.0 kN
In excess of	12.0 kN

Acoustic Performance					
AIRBOURNE			IMPACT		
Bare	Covering	Barrier	Bare	Covering	Barrier
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: ± 0.4mm; Square: 600×600 <sup>†</sup> ± 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 **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.

Finish Option	
All standard panels will be covered with our Gerflor Mipolan EL7 Robust static dissipative vinyl, other options include HPL, Wood, Ceramic and Stone.	

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	

<sup>†</sup> 600 x 900mm Medium and Heavy Grade panels available for perimeter detailing.

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

\*\* 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 edge banded panel).

- 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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