

Data Sheet: FDEB PSA

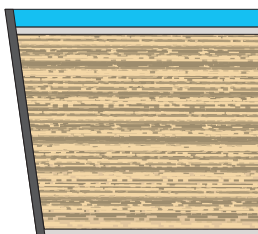
PSA rated raised access floor panel complete with factory applied vinyl, linoleum, HPL, or rubber.



Feature Benefits

- Wide range of covering options available.
- Precision construction and location for an accurate floor grid
- Solid underfoot
- Good electrical continuity is maintained
- Good acoustic performance
- Safe and easy access
- Excellent lateral stability
- The system meets EN13501 Parts 1 & 2 and also its construction provides Class O to BS476 fire rating

Corner Detail



Typical Areas of Application

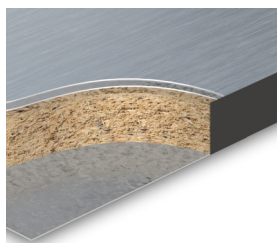
Computer rooms, equipment rooms, print rooms etc.

Description

This loose lay floor panel is fully rated to the medium, heavy and extra heavy grade requirements of the PSA MOB PF2 PS/SPU specification. The design incorporates a full depth edge band which provides total encapsulation of the chipboard core.

This design also provides protection to the edge of the surface covering.

Panel Illustration



Category	Loose lay
Panel Size	600mm square
Core Material	High Density Particle Board
Panel Construction	Galvanised steel sheet top & bottom with edge banding

	Panel Thickness (nominal) excluding covering	System Weight (typical)
FDEB 30	31mm	42kg/m ²
FDEB 38	39mm	52kg/m ²

Construction

These floor panels are based on a 600mm square module constructed around a high performance chipboard core. The top and base surfaces of the core are laminated with galvanised sheet steel. The appropriate surface covering is then laminated to the top surface before being trimmed to fit flush with the panel sides. The panel edges are then laminated with an ABS edge band which provides protection to the chipboard core and surface covering. Electrical continuity is provided through the panel construction to the steel base and hence to the pedestals.

Positive location and retention of the floor panel is achieved by the use of a moulded plastic cap.



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Structural Performance

Panel Grade	Panel Type	Concentrated Load		Uniformly Distributed Load
		Point Load 25mm x 25mm square	Load Over 300mm x 300mm square	
Medium	FDEB 30	3.0kN	4.5kN	8.0kN/m ²
Heavy	FDEB 38	4.5kN	N/A	12kN/m ²

- The above information is based on full compliance with the PSA MOB PF2 PS/SPU specification. Under the above working load conditions the panel deflection must not exceed 2.4mm based on 24 hour testing.
- In addition to these working loads each raised floor system performs to a safety factor of 3 x static load.
- Finished floor heights from 57mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.
- Extra Heavy Grade to the requirements of PSA MOB PF2 PS/SPU is available using FDEB 38 heavy grade with bolt on stringers.
- Structural performance based upon a full Kingspan system ie panels & pedestals.

Special Applications

Bridging Sections	Where obstructions in the void prevent the use of pedestals.
Foil Tape	Aluminium foil tape to seal the edge of cut panels.
Pedestal Mechanical Fixings	To fix pedestals to floor in addition to adhesive for greater rigidity at increased floor heights/increased loadings or in situations where the condition of the sub floor requires additional fixings.
Pedestal Earth Clamps	Provides an electrical connection to the floor system for earth bonding purposes. All conductive components of the raised access floor must be earth bonded in accordance with BS 7671-2008, 17th Edition Wiring Regulations.
Perimeter Gasket	20 x 9mm foam tape applied to the panel edge between floor and wall if required.
Ramps and Steps	Provided to accommodate changes in floor level.
Stringers	Snap on:- provide additional lateral stability at increased floor heights. Bolt on:- provide additional lateral stability and increased load bearing properties.

