

# RAISED ACCESS FLOOR SYSTEM

## PSA



Tested in accordance with PSA MOB PF2 PS/SPU for raised access floors.

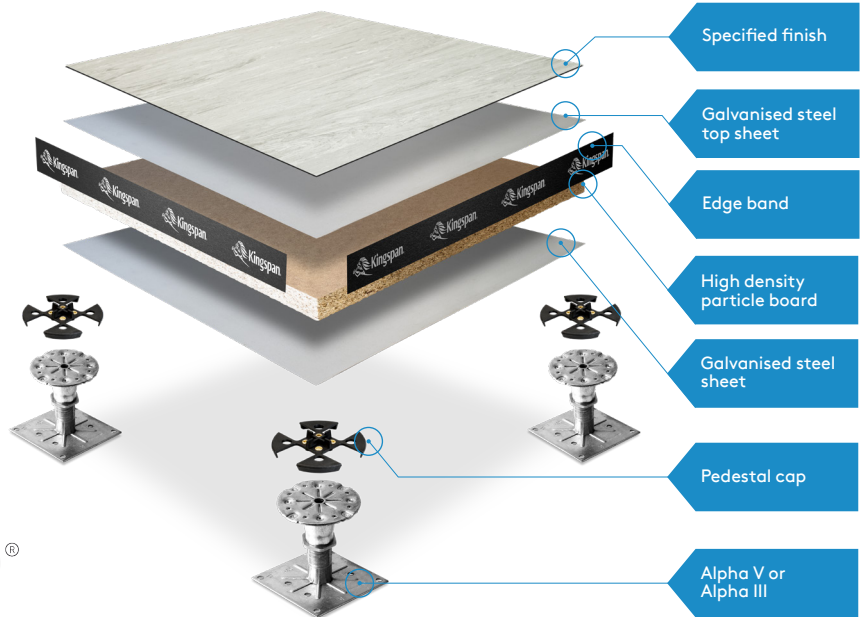
# FDEB\_M

## MEDIUM GRADE

For: Data centre and server room use

Panel comprises of a galvanised steel top and bottom sheet that are bonded to the core. A resilient covering is applied to the top and the panel is finished with an ABS edge band.

We've invested in research and development to optimise our energy and raw material usage. This system has EPD & HPD certification and is manufactured in our advanced, energy efficient manufacturing facility where 94% of the energy used is from sustainable sources.



### Panels

Thickness:	31mm** Nominal
System Weight:	42kg/m <sup>2</sup> Nominal
Panel Size:	600mm x 600mm†
Core Material:	30mm high density particle board
Edgeband:	ABS
Category:	Loose lay

### System Performance

Point load 25 x 25mm:	3kN
Load over 300 x 300mm:	4.5kN
Uniformly Distributed Load (UDL):	8kN/m <sup>2</sup>

### Panel Fire Performance

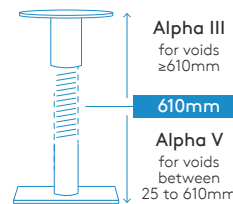
Fire Class:	BS476-6 & BS476-7
Reaction:	EN13501:1 Bfl-s1
Resistance:	EN13501:2 R30r/RE30r/RE130r

### System Sound Performance

		With barrier
Airborne Insulation (Dnfw):	41 dB	44 dB
Impact Insulation (Lnfw):	69 dB	62 dB

### Pedestal Options

Steel pedestals\* coated with an environmentally friendly clear passivation.



#### Pedestal caps:

Standard perimeter

#### Pedestal Adhesive:

Standard or Acoustic pedestal adhesives available.

### 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

### 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.

### Surface Finishes

A wide variety of surface finishes can be bonded to the top surface of the panel including HPL, Vinyl, Rubber, Linoleum & Marmoleum.

† 600 x 900mm medium/heavy grade panels available for perimeter detailing.  
\* Pivot-head adaptors and Nickel plated pedestals available upon request.  
§ Warranty only valid when a full Kingspan Access Floor system including panels and understructure is installed. Excludes covering, please refer to original manufacturers information.  
\*\* Without surface covering.

- All working loads perform to a 3x safety factor.
- 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 Kingspan system i.e. panels & pedestals.



### Kingspan Access Floors

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