

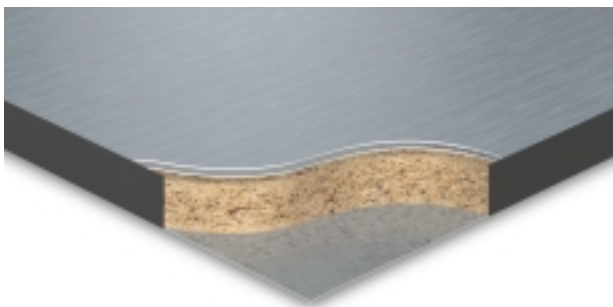
Data Sheet: **FDEB** BSEN

Raised access floor panel complete with factory applied vinyl, linoleum, HPL, or rubber to the requirements of BSEN 12825.

Corner Detail



Panel Illustration



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

Typical Areas of Application

Computer rooms, equipment rooms, print rooms etc.

Description

This loose lay floor panel is fully rated to the requirements of the Harmonised European Standard for raised access floors, BSEN 12825. 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.

Category	Loose lay
Panel Size	600mm square
Core Material	High Density Particle Board
Panel Construction	Galvanised steel sheet bonded to core with edge banding

	Panel Thickness (nominal) excluding covering	System Weight (typical)
FDEB 1	31mm	30kg/m ²
FDEB 4	31mm	36kg/m ²
FDEB 6	39mm	52kg/m ²

Construction

These floor panels are based on a 600mm square module constructed around a high performance chipboard core which is 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 Type	BSEN 12825 Classification	Ultimate Load	Uniformly Distributed Load
FDEB 1	1/A/3/2	In excess of 4kN	10kN/m ²
FDEB 4	4/A/3/2	In excess of 9kN	18kN/m ²
FDEB 6	6/A/3/2	In excess of 12kN	25kN/m ²

- The above information is based on testing in compliance with the BSEN 12825 specification. The classifications shown are based on a deflection under working load not exceeding 2.5mm and a safety factor of 3.
- Uniformly distributed loads are shown for information as they do not form part of BSEN 12825. However the figures shown are based on testing in accordance with BSEN 12825.
- Finished floor heights from 68mm to 380mm are available using one of our standard pedestals. For heights outside of this range alternative pedestals are available.
- The classifications given are based on the use of the Kingspan range of 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 sub-floor requires additional fixing.
Pedestal Earth Clamps	Provide 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	<i>Snap on:-</i> provide additional lateral stability at increased floor heights. <i>Bolt on:-</i> provide additional lateral stability and increased load bearing properties.