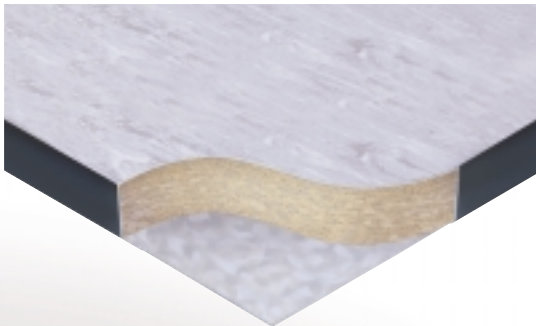


PSA rated raised access floor panel complete with factory applied vinyl, linoleum, HPL, or rubber.

CORNER DETAIL

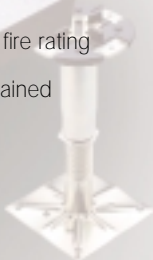


PANEL ILLUSTRATION



FEATURE BENEFITS

- Wide range of covering options available.
- Precision construction and location for an accurate floor grid
- Solid underfoot
- Panel construction gives Class O fire rating
- Good electrical continuity is maintained
- Good acoustic performance
- Safe and easy access
- Excellent lateral stability



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.

| | |
|---------------------------|--|
| 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) <small>Excluding covering</small> | 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 steel and hence to the pedestals.

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

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 the above working loads each raised floor system carries a safety factor of 3 x working load.
- Finished floor heights from 60mm to 1000mm 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.

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 | 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 7671-2001, 16th 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 |

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