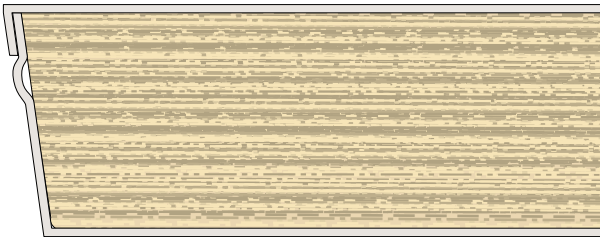


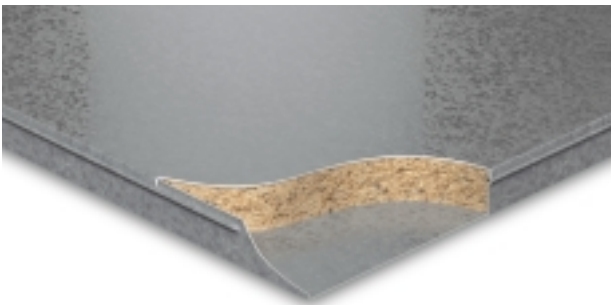
# Data Sheet: **Diamond** BSEN

Steel encapsulated/particle board construction, loose lay raised access floor panel to the requirements of BSEN 12825.

### Corner Detail



### Panel Illustration



### Feature Benefits

- High edge strength reducing edge to edge deflection
- Precision construction and location for an accurate floor grid
- Solid underfoot
- Panel construction gives Class O fire rating
- Excellent electrical continuity is maintained
- Safe and easy access
- Excellent lateral stability
- 600mm x 900mm oversize panels available in order to minimise perimeter cutting

### Typical Areas of Application

General office areas.

### Description

This loose laid floor panel range is fully rated to the requirements of the Harmonised European Standard for raised access floors, BSEN 12825. The design incorporates a wrap-around construction which provides total encapsulation of the chipboard core. The panel edge design improves edge strength and panel removal and replacement.

With a wide range of optional factory accessories and applied finishes this panel construction is suitable to fulfil many applications.

Category	Loose lay
Panel Size	600mm square
Core Material	High Density Particle Board
Panel Construction	Galvanised steel encapsulated particle board core

	Panel Thickness (nominal)	System Weight (typical)
<b>D3</b>	31mm	31kg/m <sup>2</sup>
<b>D5</b>	31mm	36kg/m <sup>2</sup>

### Construction

These floor panels are based on a 600mm square module constructed around a high performance chipboard core. The galvanised steel shell comprises of a base tray that is wrapped around and laminated to the particle board core. The galvanised steel top tray is laminated to the chipboard core and the design ensures contact with the base tray thereby ensuring electrical continuity. In addition the base tray incorporates an edge profile that ensures that floor panels are easily removable and replaceable when in use.

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
D3	3/A/3/2	In excess of 8kN	15kN/m <sup>2</sup>
D5	5/A/3/2	In excess of 10kN	20kN/m <sup>2</sup>

- 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 65mm 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	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.
Simplex	Factory applied variation to allow panels to be screw fixed to pedestals.
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.