RAISED ACCESS FLOOR SYSTEM

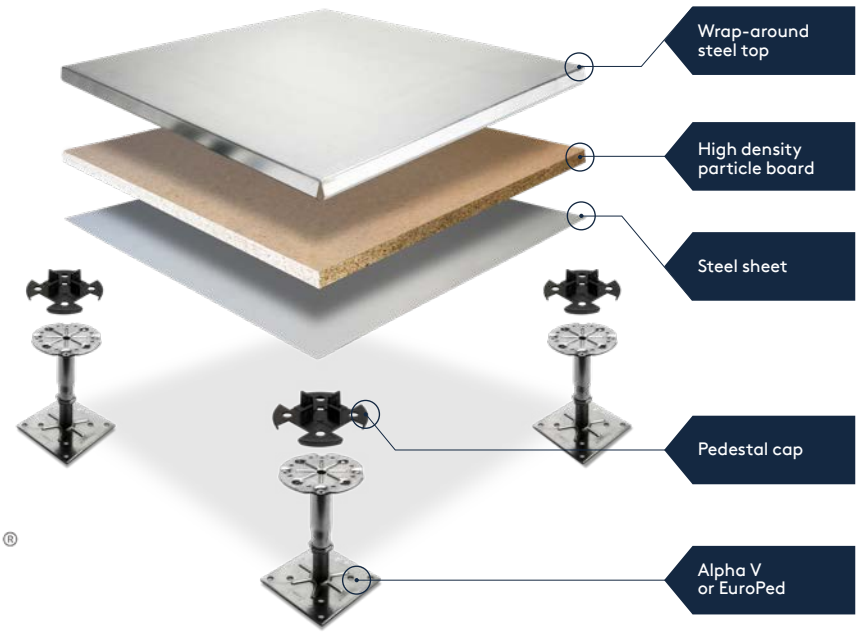
EN 12825

Raised Floor Solutions
Tel: 01695 555070
enquiries@raisedfloor.co.uk
www.raisedfloor.co.uk

RG2

CLASS 2

The fully encapsulated panel comprises of a wrap around steel top and a steel base plate that are adhesive bonded and mechanically stitched around a particle board core for greater strength and durability.



EPD® THE INTERNATIONAL EPD® SYSTEM

Panels	
Thickness:	23mm Nominal
System weight:	27kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	22mm high density particle board
Category:	Loose lay

System Performance	
Ultimate Load:	in excess of 6kN

Panel Fire Performance	
Reaction:	EN13501:1 Bfl-s1
Resistance:	REI30r

System Sound Performance	
Airborne Insulation $D_{n,f,w}$ ($C;C_{tr}$):	43 dB
Impact Insulation $L_{n,f,w}$ (CI):	68 dB

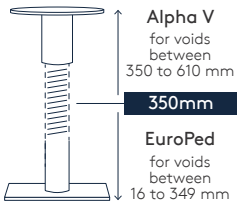
† 600 x 900mm panels available for perimeter detailing.
* Pivot-head adaptors and Nickel plated pedestals available upon request.

§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.

- Floor void heights from 16mm to 610mm are available using 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.

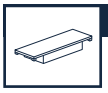
Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



Pedestal Adhesive:

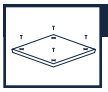
Standard or Acoustic pedestal adhesives available.



Stringers

Recommended for additional lateral stability in the following applications:

< 610mm void heights: clip-on stringer system
> 610mm void height: screw-down stringer system



Simploc Screw Down

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.

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.

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 **E:** KAFinfo@kingspan.com **W:** kingspan.com

© 2021 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
kingspan-rg2-product-data-sheet-en-gb-ie-row-v4 07/2021

RAISED ACCESS FLOOR SYSTEM
EN 12825

Raised Floor Solutions
Approved UK designer, supplier & installer of Kingspan Access Flooring

www.raisedfloor.co.uk
Tel: 01695 555003
enquiries@raisedfloor.co.uk

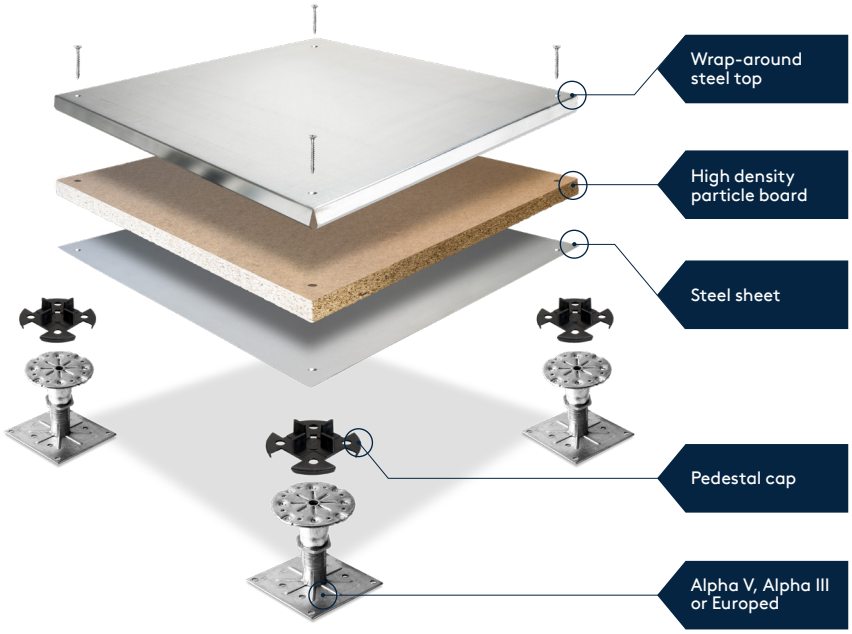
TL3

CLASS 3

The fully encapsulated panel comprises of a wrap around steel top and a steel base plate that are adhesive bonded and mechanically stitched around a particle board core for greater strength and durability.

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

EPD®
THE INTERNATIONAL EPD® SYSTEM



Panels	
Thickness:	26mm Nominal
System Weight:	30kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	25mm high density particle board
Category:	Screw down

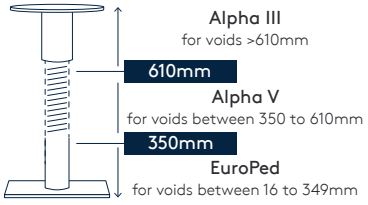
System Performance	
Ultimate load§:	in excess of 8kN

Panel Fire Performance	
Reaction:	EN13501:1Bfl-s1

System Sound Performance		With barrier	With barrier & covering
Airborne Insulation (Dnfw):	38 dB	45 dB	51 dB
Impact Insulation (Lnfw):	69 dB	58 dB	44 dB

Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



Pedestal Adhesive:
Standard or Acoustic pedestal adhesives available.

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.

† 600 x 900mm Class 5/6 panels available for perimeter detailing.
* Pivot-head adaptors and Nickel plated pedestals available upon request.

§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.

- Finished floor heights from 50mm to 640mm are available using 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.

FSC www.fsc.org FSC® C019806 The mark of responsible forestry

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

Kingspan®

© 2019 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
v2 7/2019 UK ROW

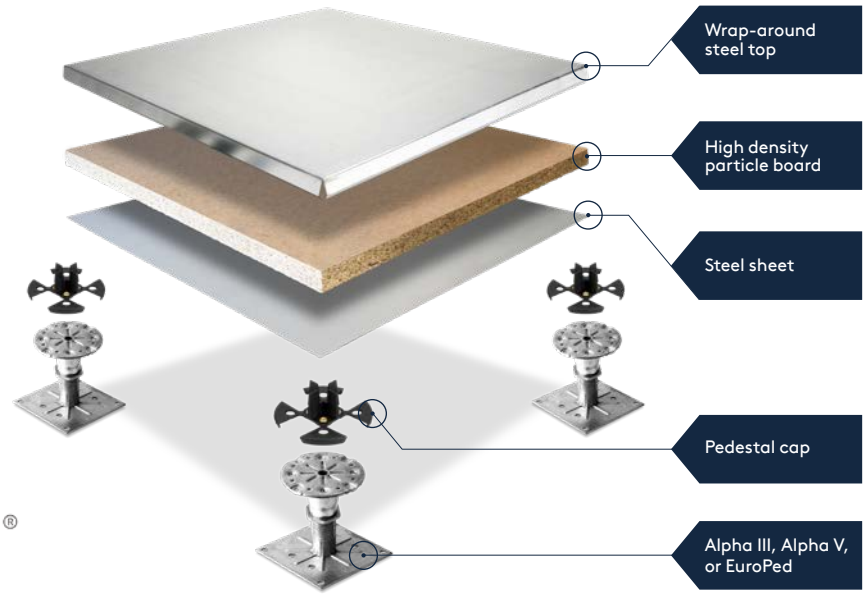
RAISED ACCESS FLOOR SYSTEM
EN 12825

Raised Floor Solutions
Tel: 01695 555070
enquiries@raisedfloor.co.uk
www.raisedfloor.co.uk

RG3

CLASS 3

The fully encapsulated panel comprises of a wrap around steel top and a steel base plate that are adhesive bonded and mechanically stitched around a particle board core for greater strength and durability.



EPD® THE INTERNATIONAL EPD® SYSTEM

Panels	
Thickness:	31mm Nominal
System Weight:	31kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	30mm high density particle board
Category:	Loose lay

System Performance	
Ultimate load§:	in excess of 8kN

Panel Fire Performance	
Reaction:	EN13501:1 Bfl-s1
Resistance:	REI60r

System Sound Performance	EuroPed	Alpha V
Airborne Insulation $D_{n,f,w}$ (C;C_{tr}):	42 dB	44 dB
Impact Insulation $L_{n,f,w}$ (CI):	71 dB	67 dB

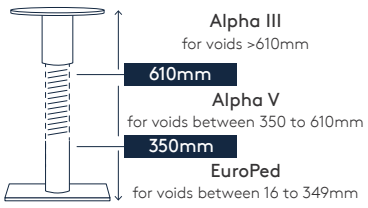
† 600 x 900mm panels available for perimeter detailing.
* Pivot-head adaptors and Nickel plated pedestals available upon request.

§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.

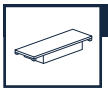
- Floor void heights from 16mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.
- The classifications given are based on the use of the Kingspan range of pedestals.

Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



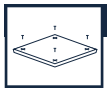
Pedestal Adhesive:
Standard or Acoustic pedestal adhesives available.



Stringers

Recommended for additional lateral stability in the following applications:

< 610mm void heights: clip-on stringer system
> 610mm void height: screw-down stringer system



Simploc Screw Down

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.

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.

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

© 2021 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
kingspan-rg3-product-data-sheet-en-gb-ie-row-v6 07/2021

RAISED ACCESS FLOOR SYSTEM
EN 12825

Raised Floor Solutions
Approved UK designer, supplier & installer of Kingspan Access Flooring

www.raisedfloor.co.uk
Tel: 01695 555003
enquiries@raisedfloor.co.uk

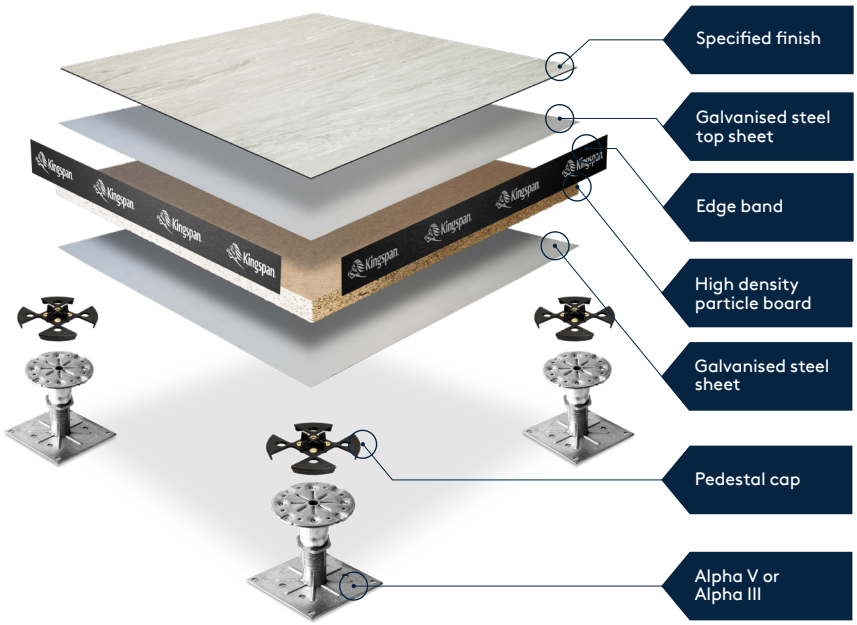
FDEB4

CLASS 4

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 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:	36kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	30mm high density particle board
Edgeband:	ABS
Category:	Loose lay

System Performance	
Ultimate load§:	in excess of 9kN

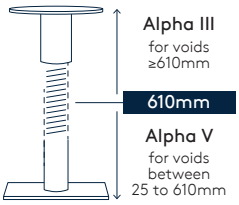
Panel Fire Performance	
Fire Class:	BS476-6 & BS476-7
Reaction:	EN13501:1 Bfl-s1
Resistance:	EN13501:2 R30r/RE30r/RE130r

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

† 600 x 900mm Class 5/6 panels available for perimeter detailing.
* Pivot-head adaptors and Nickel plated pedestals available upon request.
§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.
** Without surface covering.

Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



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.

- 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.

The FDEB range of panels are manufactured in Hull, UK and therefore benefit from the ISO and FSC accreditations attained at this facility.

FSC www.fsc.org FSC® C019606 The mark of responsible forestry

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

© 2019 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
v2 7/2019 UK ROW

RAISED ACCESS FLOOR SYSTEM
EN 12825

Raised Floor Solutions
Approved UK designer, supplier & installer of Kingspan Access Flooring

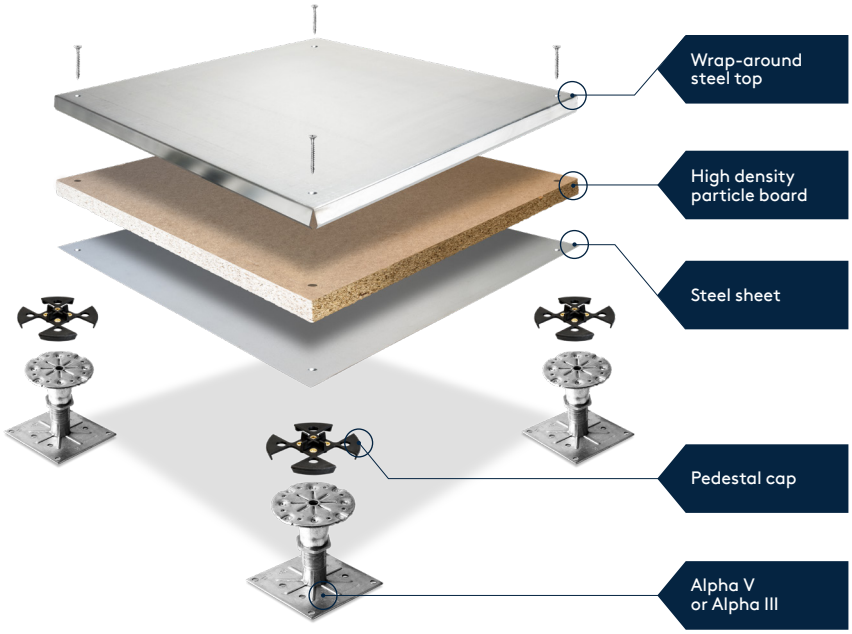
www.raisedfloor.co.uk
Tel: 01695 555003
enquiries@raisedfloor.co.uk

TL5

CLASS 5

The fully encapsulated panel comprises of a wrap around steel top and a steel base plate that are adhesive bonded and mechanically stitched around a particle board core for greater strength and durability.

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



Panels	
Thickness:	26mm Nominal
System Weight:	32kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	25mm high density particle board
Category:	Screw down

System Performance	
Ultimate load§:	in excess of 10kN

Panel Fire Performance	
Reaction:	EN13501:1 Bfl-s1

System Sound Performance		With barrier	With barrier & covering
Airborne Insulation (Dnfw):	39 dB	44 dB	46 dB
Impact Insulation (Lnfw):	69 dB	72 dB	59 dB

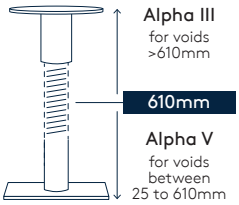
† 600 x 900mm Class 5/6 panels available for perimeter detailing.
* Pivot-head adaptors and Nickel plated pedestals available upon request.

§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.

- Finished floor heights from 50mm to 640mm are available using 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.

Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



Pedestal Adhesive:

Standard or Acoustic pedestal adhesives available.

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.

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

© 2019 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
v2 7/2019 UK ROW

RAISED ACCESS FLOOR SYSTEM
EN 12825

Raised Floor Solutions
Approved UK designer, supplier & installer of Kingspan Access Flooring

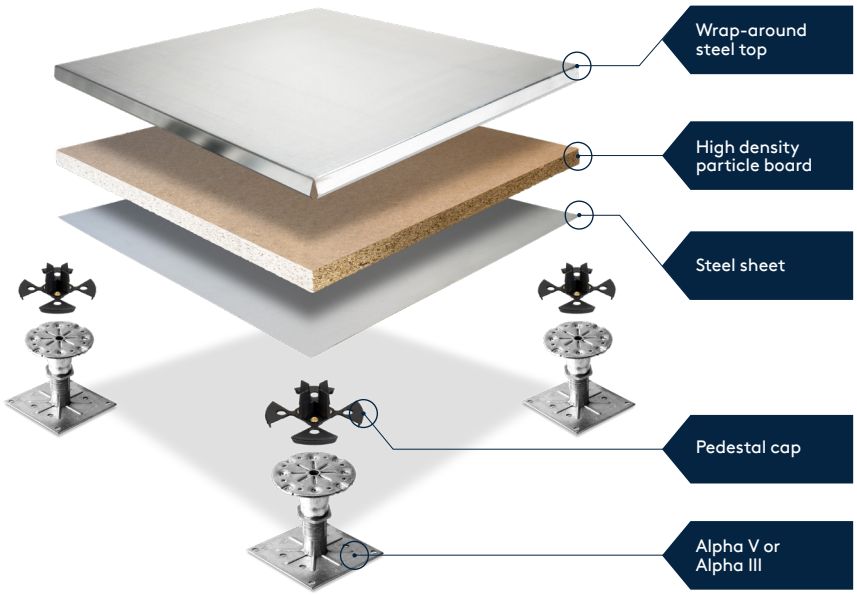
www.raisedfloor.co.uk
Tel: 01695 555003
enquiries@raisedfloor.co.uk

RG5

CLASS 5

The fully encapsulated panel comprises of a wrap around steel top and a steel base plate that are adhesive bonded and mechanically stitched around a particle board core for greater strength and durability.

We've invested in research and development to optimise our energy and raw material usage. This system 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:	36kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	30mm high density particle board
Category:	Loose lay

System Performance	
Ultimate load§:	in excess of 10kN

Panel Fire Performance	
Reaction:	EN13501:1 Bfl-s1
Resistance:	EN13501:2 R30r/RE30r

System Sound Performance		With barrier	With barrier & covering
Airborne Insulation (Dnfw):	41 dB	47 dB	50 dB
Impact Insulation (Lnfw):	69 dB	63 dB	52 dB

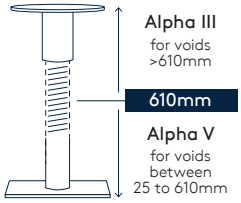
† 600 x 900mm Class 5/6 panels available for perimeter detailing.
* Pivot-head adaptors and Nickel plated pedestals available upon request.

§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.

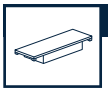
- Finished floor heights from 60mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.
- The classifications given are based on the use of the Kingspan range of pedestals.

Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



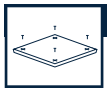
Pedestal Adhesive:
Standard or Acoustic pedestal adhesives available.



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



Simploc Screw Down

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.

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.

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

© 2019 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
v2 7/2019 UK ROW

RAISED ACCESS FLOOR SYSTEM
EN 12825

Raised Floor Solutions
Approved UK designer, supplier & installer of Kingspan Access Flooring

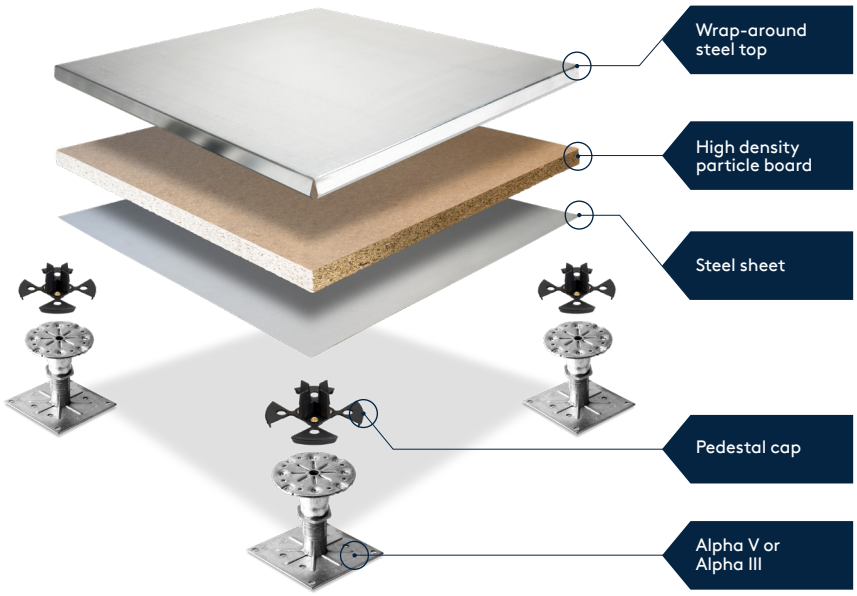
www.raisedfloor.co.uk
Tel: 01695 555003
enquiries@raisedfloor.co.uk

RG6

CLASS 6

The fully encapsulated panel comprises of a wrap around steel top and a steel base plate that are adhesive bonded and mechanically stitched around a particle board core for greater strength and durability.

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



Panels	
Thickness:	32mm Nominal
System Weight:	44kg/m² Nominal
Panel Size:	600mm x 600mm
Core Material:	30mm high density particle board
Category:	Loose lay

System Performance	
Ultimate load§:	in excess of 12kN

Panel Fire Performance	
Reaction:	EN13501:1 Bfl-s1

System Sound Performance		With barrier	With barrier & covering
Airborne Insulation (Dnfw):	41 dB	44 dB	46 dB
Impact Insulation (Lnfw):	69 dB	67 dB	58 dB

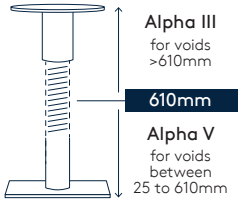
† 600 x 900mm Class 5/6 panels available for perimeter detailing.
* Pivot-head adaptors and Nickel plated pedestals available upon request.

§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.

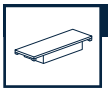
- Finished floor heights from 60mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.
- The classifications given are based on the use of the Kingspan range of pedestals.

Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



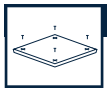
Pedestal Adhesive:
Standard or Acoustic pedestal adhesives available.



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



Simploc Screw Down

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.

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.

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

© 2019 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
v2 7/2019 UK ROW

RAISED ACCESS FLOOR SYSTEM
EN 12825

Raised Floor Solutions
Approved UK designer, supplier & installer of Kingspan Access Flooring

www.raisedfloor.co.uk
Tel: 01695 555003
enquiries@raisedfloor.co.uk

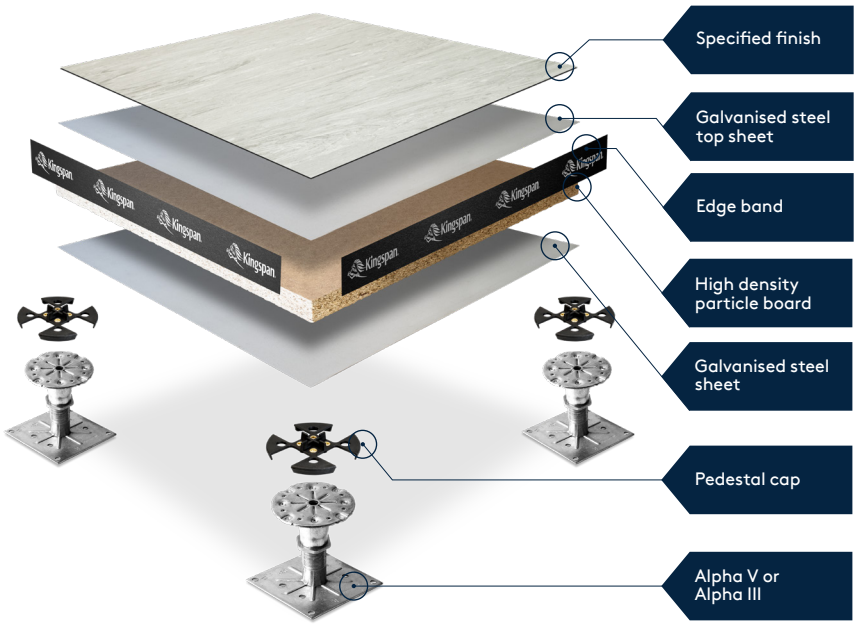
FDEB6

CLASS 6

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 is manufactured in our advanced, energy efficient manufacturing facility where 94% of the energy used is from sustainable sources.



Panels	
Thickness:	40mm** Nominal
System Weight:	52kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	38mm high density particle board
Edgeband:	ABS
Category:	Loose lay

System Performance	
Ultimate load§:	in excess of 12kN

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

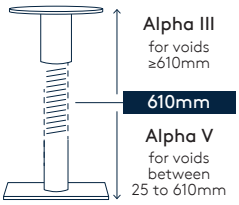
System Sound Performance		With barrier
Airborne Insulation (Dnfw):	41 dB	44 dB
Impact Insulation (Lnfw):	69 dB	62 dB

† 600 x 900mm Class 5/6 panels available for perimeter detailing
* Pivot-head adaptors and Nickel plated pedestals available upon request.
§ Working load = ultimate load / chosen safety factor. There are two classes of safety factor either 2 or 3.
** Without surface covering.

The FDEB range of panels are manufactured in Hull, UK and therefore benefit from the ISO and FSC accreditations attained at this facility.

Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



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.

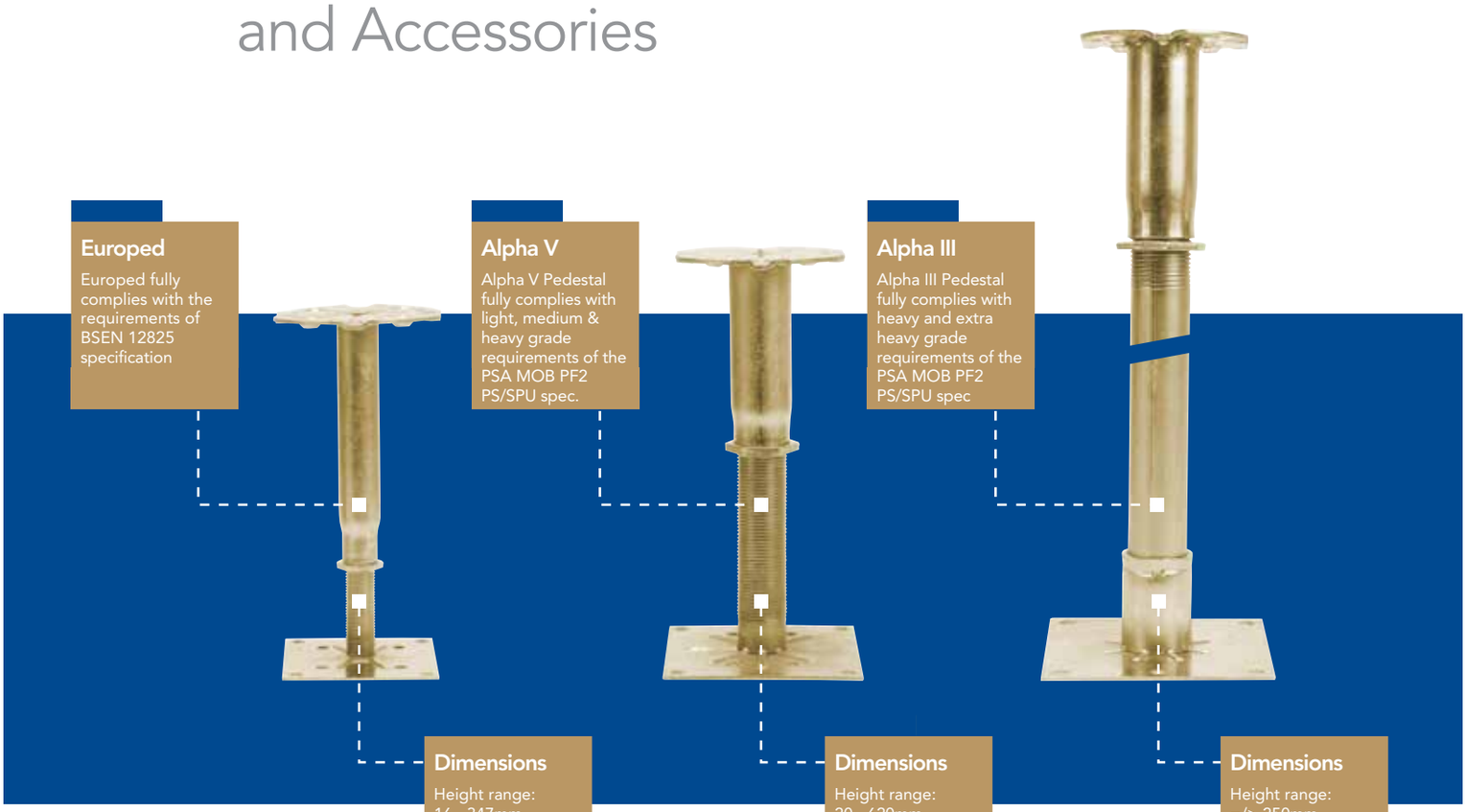
- Finished floor heights from 60mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.
- Structural performance based upon a full Kingspan system i.e. panels & pedestals.

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

© 2019 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
v2 7/2019 UK ROW

Pedestals
and Accessories

Kingspan
ACCESS FLOORS



Europed

Europed fully complies with the requirements of BSEN 12825 specification

Dimensions

Height range:
16 - 347mm

Height adjustment:
+/- 40mm

Base: 80mm

Alpha V

Alpha V Pedestal fully complies with light, medium & heavy grade requirements of the PSA MOB PF2 PS/SPU spec.

Dimensions

Height range:
20 - 620mm

Height adjustment:
+/- 40mm

Base: 100mm

Alpha III

Alpha III Pedestal fully complies with heavy and extra heavy grade requirements of the PSA MOB PF2 PS/SPU spec

Dimensions

Height range:
=/> 250mm

Height adjustment:
+/- 40mm

Base: 120mm

The pedestals are of a Zinc plated steel construction, ensuring electrical continuity, pre-assembled to help minimize installation time. The pedestals have a locking nut to ensure that once adjusted and locked there is no movement in the pedestal head.

The head of the pedestals is designed to accept a range of support stringers. The head caps have a 90mm diameter and provide positive panel location. Adjustment is a nominal =/-40mm; less on the lower void heights, with the range of floor heights ranging from 50mm to 2000mm.

When considering a pedestal, a height allowance must be made for cap thickness and adhesive layer; in general an allowance of 5mm should be made.

Raised Floor Solutions
Approved UK designer, supplier & installer of Kingspan Access Flooring

www.raisedfloor.co.uk
Tel: 01695 555003
enquiries@raisedfloor.co.uk

PSA

Pedestal Usage Guide

	BSEN Europed	PSA Alpha V	PSA Alpha III	Stringer
D-Lock	✓			
C-Dec	✓			
Acoustideck	✓	✓		
RG Series PSA		✓	✓	>600mm
RG Series BSEN	✓	✓	✓	>600mm
Torlock PSA		✓	✓	Airseal only
Torlock BSEN	✓	✓	✓	Airseal only
FDEB PSA 30		✓	✓	>450mm
FDEB PSA 38		✓	✓	All heights
FDEB BSEN	✓	✓	✓	>450mm

See specific panel datasheet for more information

- Where a stringer is recommended for system heights ≥450mm and ≥600mm the light clip on stringer is provided only to aid stability at installation; it is not a requirement to achieve system load rating.
- For FDEB 38 the structural stringer must be employed at all heights.
- For Extra Heavy rating the box stringer must be employed with the correct version of the Alpha 3 pedestal.
- Where a requirement for zinc whisker free is specified nickel plated versions are available to special order.
- For applications not covered by this data sheet please contact: info@kingspanaccessfloors.co.uk or call +44 (0) 1482 781701

Kingspan Access Floors Limited
Head Office: Burma Drive, Marfleet, Hull HU9 5SG
Tel: +44 (0) 1482 781701 **Fax:** +44 (0) 1482 799272
Email: info@kingspanaccessfloors.co.uk **Web:** kingspanaccessfloors.co.uk

© 2013 Kingspan Access Floors Ltd. We reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.
v01/2014