

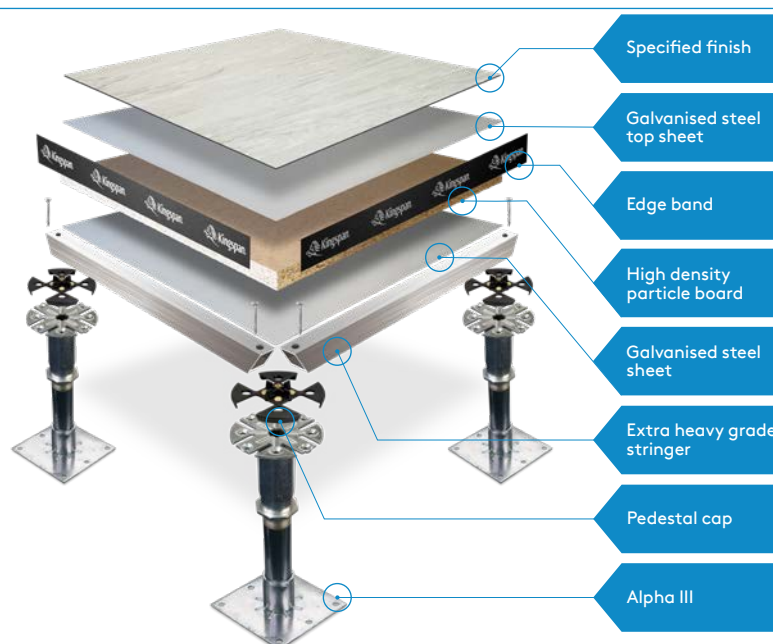
FDEB_XH

EXTRA HEAVY 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 High Pressure Laminate surface is applied to the top surface, panel is finished with a full edge banding.

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:	40mm** Nominal
System Weight:	52kg/m ² Nominal
Panel Size:	600mm x 600mm [†]
Core Material:	38mm high density particle board
Edgeband:	ABS
Category:	Loose lay

System Performance

Point load 25 x 25mm:	4.5kN
4 point load 25 x 25mm:	11kN
Uniformly Distributed Load (UDL):	12kN/m ²

Panel Fire Performance

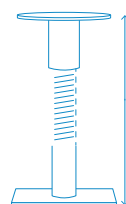
Fire Class:	BS476-6 & BS476-7
Reaction:	EN13501:1 Bfl-s1
Resistance:	REI30r

System Sound Performance

		With barrier
Airborne Insulation (Dnfw):	42 dB	49 dB
Impact Insulation (Lnfw):	68 dB	60 dB

Pedestal Options

Steel pedestals* coated with an environmentally friendly clear passivation.



Alpha III
for voids
>120mm

Pedestal Adhesive:

Standard or Acoustic pedestal adhesives available.



Stringers

An extra-heavy grade screw-down stringer system is required to achieve the Extra Heavy PSA rating.



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.

* 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.
- Performs to a safety factor of 2 for 11kN load.
- Void heights from 120mm are available using standard pedestals.
- 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