



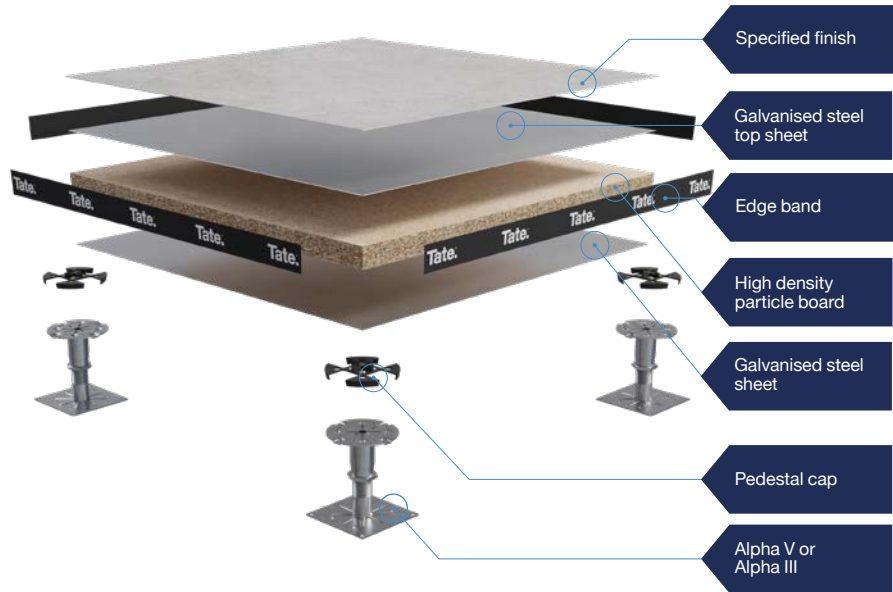
FDEB4

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:	42kg/m ² Nominal
Panel Size:	600mm x 600mm [†]
Core Material:	30mm high density particle board
Edgeband:	ABS
Category:	Loose lay

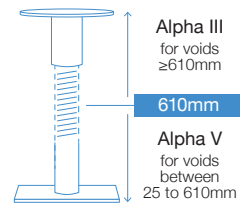
System Performance	
Ultimate load [§] :	in excess of 9kN

Panel Fire Performance	
Reaction:	EN13501-1:2018 Bfl-s1
Resistance:	EN13501-2:2016 REI60r [^]

System Sound Performance		BS EN ISO 10848-2:2017 With barrier
Airborne Insulation (Dnfw):	41 dB	44 dB
Impact Insulation (Lnfw):	69 dB	62 dB

Pedestal Options

Steel pedestals* coated with an environmentally friendly clear passivation.



Pedestal Adhesive:
Standard or Acoustic pedestal adhesives available.

Stringers

Stringers may be used for additional lateral stability. Please contact the technical team for further advice.

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 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.
 • 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 Tate system i.e. panels & pedestals.
 ^ Only for Alpha V.5 up to 570mm