

# RAISED ACCESS FLOOR SYSTEM

## PSA

To view product details



Tested in accordance with  
PSA MOB PF2 PS/SPU for  
raised access floors.

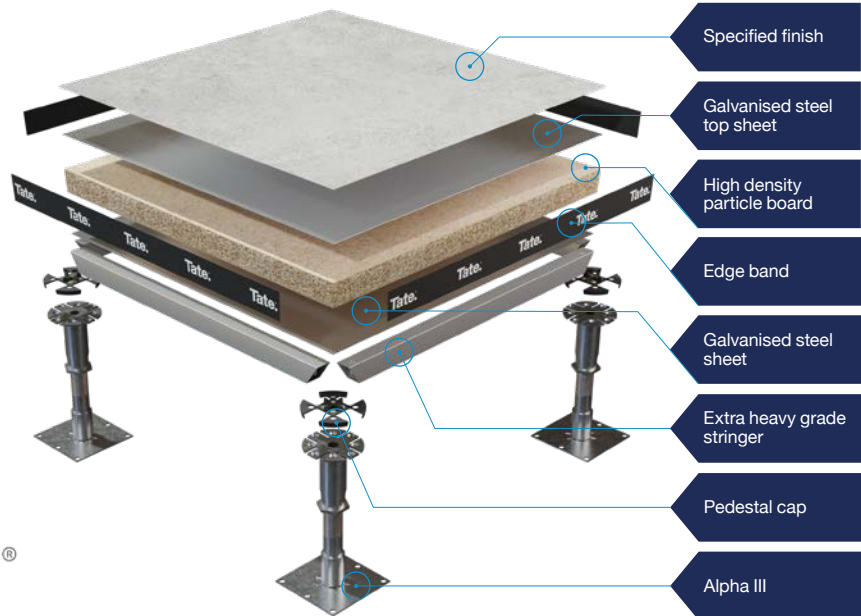
# FDEB\_XH

## 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 <sup>2</sup> 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 <sup>2</sup> |

### Panel Fire Performance

|             |                                     |
|-------------|-------------------------------------|
| Fire Class: | BS476-6:1989 & BS476-7:1997 Class O |
| 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): | 42 dB                  | 49 dB        |
| Impact Insulation (Lnfw):   | 68 dB                  | 60 dB        |

† 600 x 900mm medium/heavy grade panels available for perimeter detailing.

\* Nickel plated pedestals available upon request.

§ Warranty only valid when a full Tate system including panels and understructure is installed. Excludes covering, please refer to original manufacturers information.

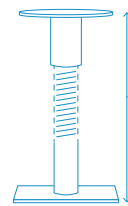
\*\* Without surface covering.

^ Alpha III up to 990mm void height.

- All working loads perform to a 3x safety factor.
- Performs to a safety factor of 2 for 11kN load.
- Finished floor height from 160mm available using standard pedestals.
- Structural performance based upon a full Tate system i.e. panels & pedestals.

### Pedestal Options

Steel pedestals\* coated with a 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.

### Tate BIM 360



To access our BIM drawings scan here and register. Existing customers can access up to date content directly through their BIM360 account.



# Tate.

### Tate

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