

RAISED ACCESS FLOOR SYSTEM

PSA

To view product details



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.



EPD
THE INTERNATIONAL EPD® SYSTEM
S-P-02814

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

| | |
|-----------------------------------|---------|
| Point load 25 x 25mm: | 4.5kN |
| 4 point load 25 x 25mm: | 11kN |
| Uniformly Distributed Load (UDL): | 12kN/m² |

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.

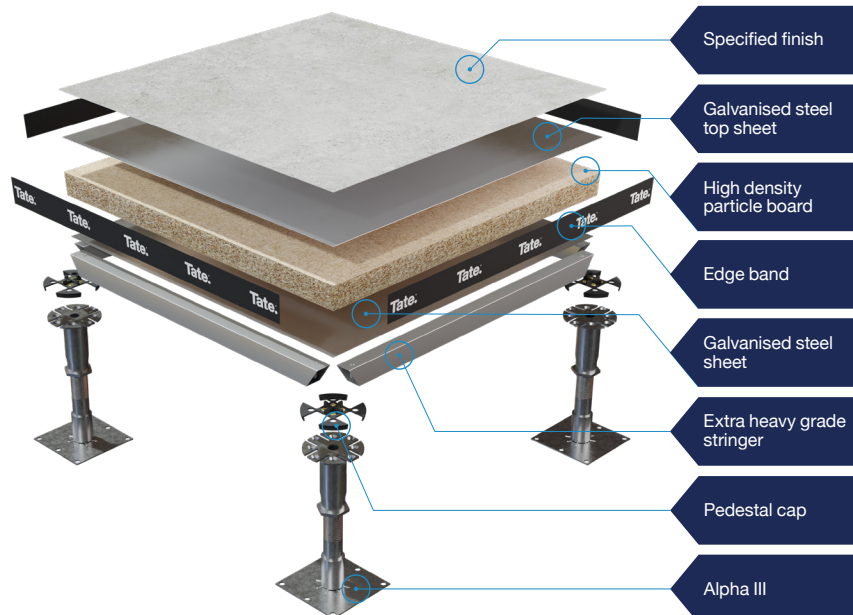
§ Warranty only valid when a full Tate system including panels and understructure is installed. Excludes covering, please refer to original manufacturers information.

** Without surface covering.

^ Alpha III up to 990mm void height.

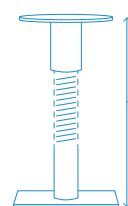
- All working loads perform to a 3x safety factor.
- Performs to a safety factor of 2 for 11kN load.
- Finished floor height from 160mm available using standard pedestals.
- Structural performance based upon a full Tate system i.e. panels & pedestals.

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



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

Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: hello.uk@tateglobal.com W: tateglobal.com

© 2025 Tate. 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.
tate-fdeb-xh-product-data-sheet-en-gb-ie-v13

PLANET PASSIONATE
#planetpassionate