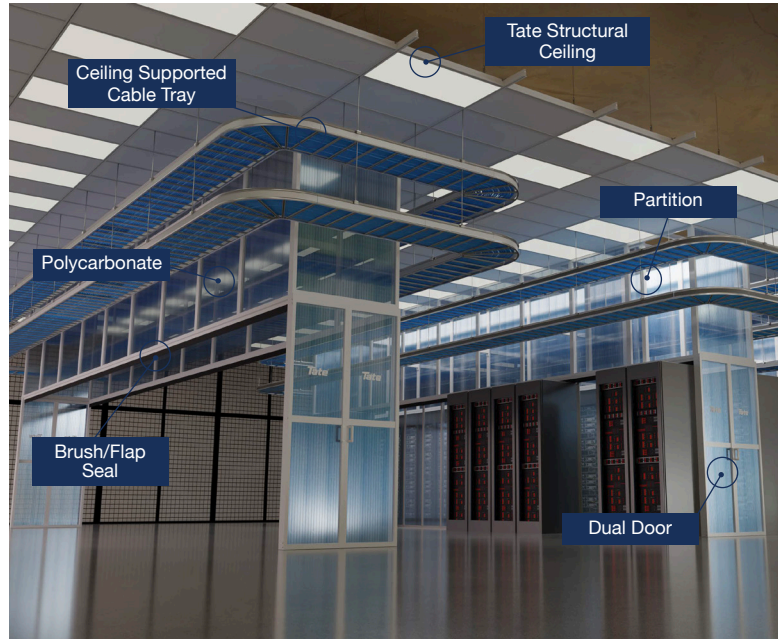


## Hot Aisle Containment

Tate's ceiling suspended hot aisle containment system is a preengineered solution that expertly channels hot air from IT equipment into an overhead plenum. It enhances data centre airflow management, while also giving the flexibility to store services from the ceiling.

Customisable for each unique project, it offers bespoke configurations in length, height, and width to precisely fit spatial requirements. This system is designed for swift and efficient deployment.

Full HACS are designed for installation in the field of the data hall allowing IT equipment to be installed on both sides of the HACS.



### TECHNICAL SPECIFICATIONS

Frames:	Extruded Aluminium
Finish	Powder Coated
Supported Aisle Widths::	Custom
Supported Aisle Height:	To fit requirements
Door Width::	Custom

### SPECIFICATIONS

- Compatible with Tate structural ceiling systems.
- Multiwall polycarbonate adheres to EN13501-1 standard with a B-s1, d0 performance
- No-threshold design prevents obstruction and tripping
- Ergonomic handles reduce pinch points
- Door compatible with slab or access floors

### THERE ARE A RANGE OF CONTAINMENT DOOR OPTIONS:



Single Hinged Door



Single Sliding Door



Dual Sliding Door



#### Doors

Pre-assembled hinged and sliding door options available.



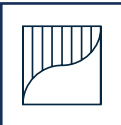
#### Production Capacity

Scaleable production capacity ensures on-time, cost-effective delivery for simultaneous projects.



#### Technical Support

Our dedicated team of engineers work with you to design a bespoke solution for every project.



#### Panel Options

Clear or Multiwall Polycarbonate Sheet metal infill.



#### Air Leakage

Perimeter compression gaskets efficiently seal and minimise air leakage.

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## Hot Aisle Containment

### CONTAINMENT MOUNTING

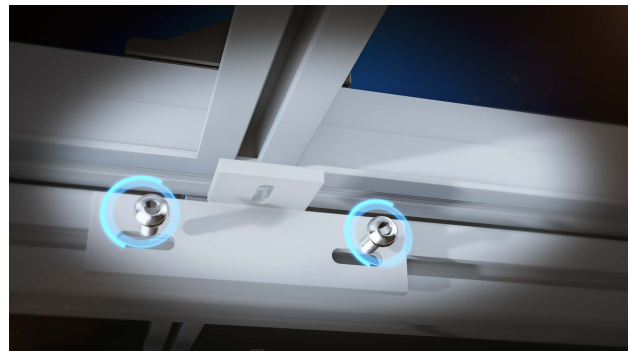
Designed for seamless integration and full compatibility with existing Tate structural ceiling.

Hang aisle containment partitions and structures anywhere on a Tate structural ceiling without the need for customised solutions or penetration of ceiling tiles.



### CONTAINMENT MOUNTING

Containment partitions are fixed to the structural ceiling using brackets and button head socket bolts.



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## Partitions

Constructed of aluminum, with several finish options, the partitions can be customized to seal numerous gap sizes and areas.

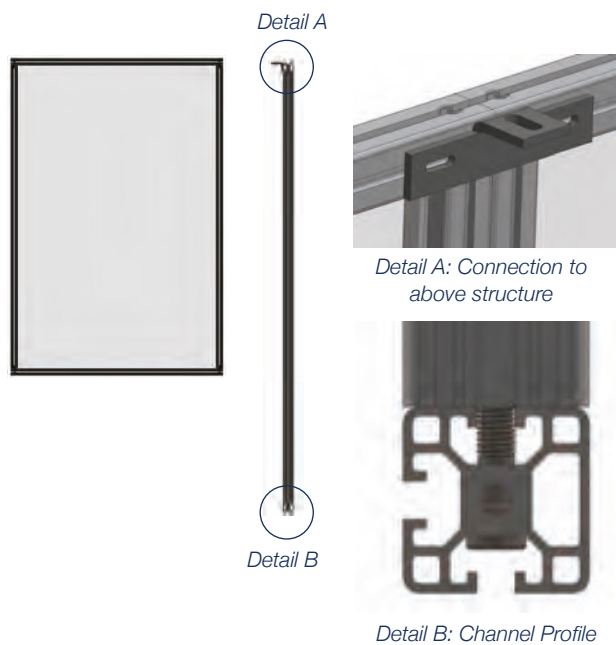
Designed to be used in either hot or cold aisles, hard partitions are custom sized for every job to ensure air leakage is minimized. Lightweight, cost effective and attractive, hard partitions come pre-assembled, supplied with brackets for quick and easy installation.

### SPECIFICATIONS

Weight:	Custom
Height:	Custom
Thickness:	8mm Nominal
Composition:	Multiwall Polycarbonate
Framing:	Aluminium Profile 80x40mm
Features:	<ul style="list-style-type: none"> <li>Pilot hole for easy installation</li> <li>Press fit design for securing and air tightness</li> <li>Light weight design</li> </ul>

### TECHNICAL

Transmission:	82%
Sheet Weight:	1.5kg/m <sup>2</sup>
U-Value:	3.4W/m <sup>2</sup> K
ISO 13501-1+A12013 Class:	B-s1,d0
Sound reduction index:	13dB



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## Single Hinge Door

Tate's single hinged door is the leading solution for aisle ends of hot and cold aisle containment configurations.

The pre-assembled aluminium design allows for quick and easy installation. With a standard right or left hinge option, the doors can also be custom built to suit your particular data center requirements. Viewing panels can be designed with clear or multiwall polycarbonate.

The system has been designed and manufactured to allow for rapid deployment with the minimum number of components. The no threshold design eliminates any tripping hazards and ensures that there are no obstructions when walking in or out of the aisle.

Fully supported by the floor, with rack attachments for additional stability, Tate's single hinged door is the perfect complement to your high performance data center.



### SPECIFICATIONS

Dimensions:	Door Opening: 1200mm
Maximum Height :	2300mm

### COMPONENTS

Included:	Single Hinged Door Floor and rack mounting hardware Installation guide
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### ACCESSORIES

Included:	Autocloser Push Plate (for use with Autocloser) Hold open (for use with Autocloser)
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### ADJUSTABLE DOOR BRUSH DETAIL



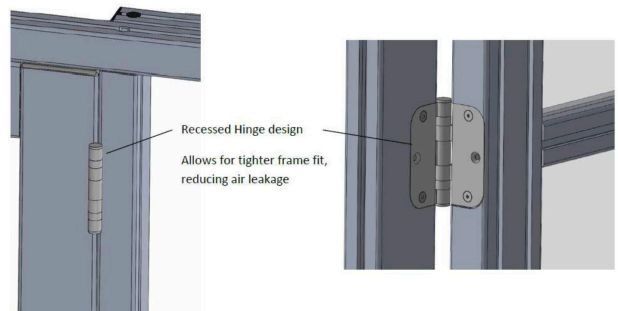
### DOOR OPTIONS

Clear polycarbonate Panel:	Fully Transparent ASTM D-635 listed 6mm thick with edge sealing gaskets
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Multiwall polycarbonate Panel:	Semi-transparent Flame Spread Index: 0 Smoke Development Index: 155 ASTM E-84 and ASTM D-635 listed UL 94 Listed 8mm thick
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Aluminium Finish:	RAL 7021 (Grey) RAL 7046 (Telegrey) RAL 9003 (White) RAL 9005 (Black)
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### DOOR HINGE DETAIL



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