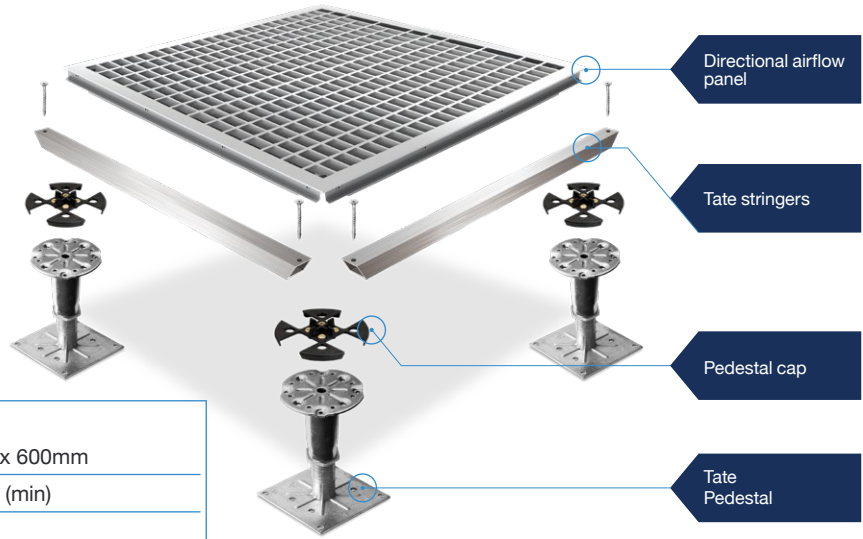


Tested in accordance with EN13264 for ventilation for buildings. Floor mounted air terminal devices.

# DirectAire

## For Data Centre use

The cast aluminium construction includes directional airflow vanes for directional airflow with a 60% open area. Protected from corrosion by anti-static Sparklite white powder coat finish. Designed to fit Tate access floor systems.



Panels	
Panel Size:	600mm x 600mm
Compatible Panel Thickness:	30.5mm (min)
Panel Weight:	11.2kg
Core Material:	Powder coated lightweight cast aluminium
Category:	Loose lay
Airflow:	93% capture index

System Performance	
Concentrated load:	4.5kN
Ultimate Load, safety factor 3:	13.5kN
4 Point concentrated load:	11kN
4 Point safety factor 2:	22kN
Rolling load:	3kN
Impact Load:	40kg

Panel Fire Performance	
Fire Class:	Class A non-combustible material

Electrical Conductivity Performance	
Sparklite anti-static power coating. $2.5 \times 10^4$ to $2.0 \times 10^{10}$ ohms when tested at 500 volts per NFPA 99	

Nickel plated, hot dip galvanised pedestals\*.



**Pedestal Adhesive:**  
Standard or Acoustic pedestal adhesives available.

**Stringers**  
Panel is designed with side channels to fit Tate screw down stringer systems. Side channels are available in a variety of heights to match adjacent solid panels.

**Damper**  
For optional additional airflow control a Multi-zone Opposed Blade Damper can be added to this system.

Airflow Performance		50	150	250	350	450	550	650	750	850	950	1050	1150	Capture Index
Static Pressure (Pa) $\Delta P$	No Damper	<1.0	<1.0	1.1	2.1	3.6	5.4	7.6	10.2	13.2	16.7	20.5	24.7	93%
	Opposed Blade Damper 100% Open	<1.0	<1.0	1.8	3.5	5.8	8.7	12.2	16.2	20.9	26.2	32.1	38.6	
	Opposed Blade Damper 0% Open	3.7	29.2	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	
Jet Velocity (m/s)		0.23	0.69	1.16	1.62	2.08	2.55	3.01	3.47	3.94	4.40	4.86	5.32	

\* Pivot-head adaptors and steel pedestals coated with an environmentally friendly clear passivation are available on request.  
 • Finished floor heights from 70mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.  
 • The classifications given are based on the use of the Tate range of pedestals.