

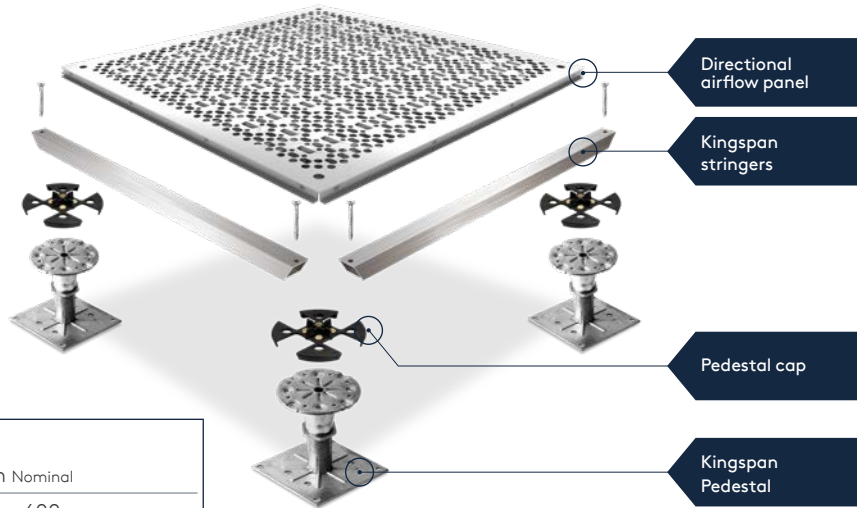
Tested in accordance with EN13264 for ventilation for buildings. Floor mounted air terminal devices.

## DirectPerf

EN13264

For: Data Centre use

The all round steel construction includes Patented, intermingled airflow vanes for directional airflow. With a 32% open area protected from corrosion by anti-static Sparklite white powder coat finish. Designed to fit Kingspan access floor systems.



Panels	
Thickness:	35.5mm Nominal
Panel Size:	600mm x 600mm
Compatible Panel Thickness:	35.5mm (min)
Panel Weight:	8.85kg
Core Material:	Powder coated steel
Category:	Loose lay
Airflow:	88% capture index

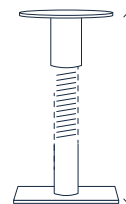
System Performance	
Concentrated load:	3kN
Ultimate Load, safety factor 3:	9kN
Rolling load:	2kN
Impact Load:	40kg

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	

### Pedestal Options

Nickel plated, hot dip galvanised pedestals\*.



Kingspan Pedestal for all voids

#### Pedestal Caps:

Standard perimeter

#### Pedestal Adhesive:

Standard or Acoustic pedestal adhesives available.



### Stringers

Stringers are recommended for use with Airflow panels. 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	100	150	200	250	300	350	400	450	500	Capture Index
Static Pressure (Pa)	No Damper	<1.0	<1.0	1.7	3.1	5.0	7.3	10.1	13.4	17.2	21.4	88%
	Opposed Blade Damper 100% Open	<1.0	<1.0	2.1	3.7	5.9	8.6	11.9	15.6	19.9	24.8	
	Opposed Blade Damper 0% Open	4.6	17.3	37.3	64.5	>70	>70	>70	>70	>70	>70	
Jet Velocity (m/s)		0.43	0.87	1.30	1.74	2.17	2.60	3.04	3.47	3.91	4.34	

\* Pivot-head adaptors and steel pedestals coated with an environmentally friendly clear passivation are available on request

- Finished floor heights from 60mm 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 Kingspan range of pedestals.

### Kingspan Tate

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