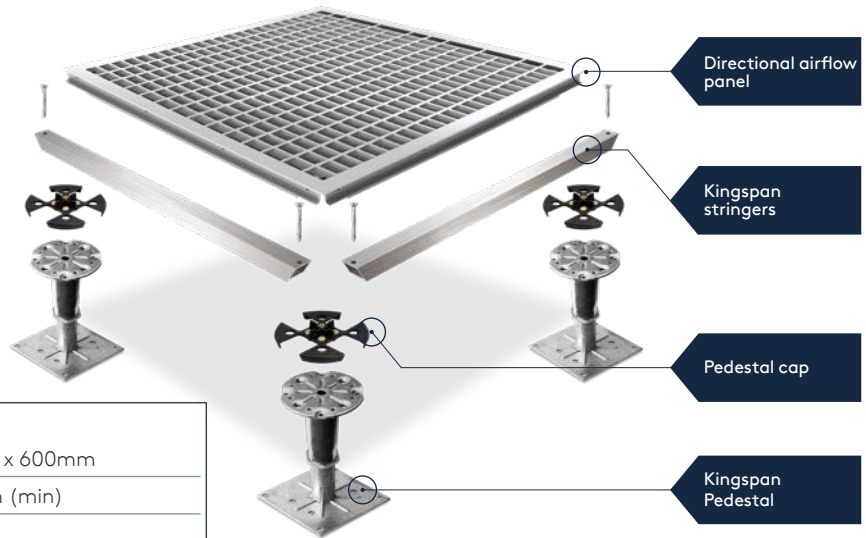


DirectAire

EN13264

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 Kingspan 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. 2.5×10^4 to 2.0×10^{10} ohms when tested at 500 volts per NFPA 99	

Pedestal Options

Nickel plated, hot dip galvanised pedestals*.



Pedestal Adhesive:

Standard or Acoustic pedestal adhesives available.

Stringers

Panel is designed with side channels to fit Kingspan 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)	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 Kingspan range of pedestals.