

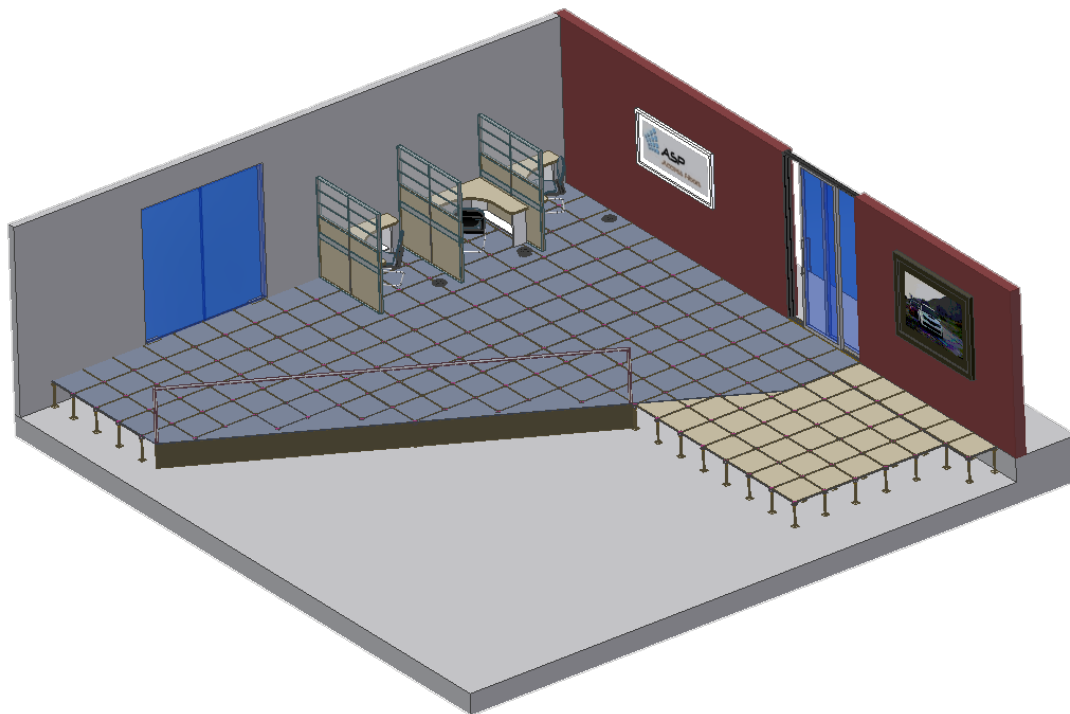
Steel Cementitious Panel - SC Air Tight System Overview

The ASP Air Tight System is a system that is specifically designed to minimise air leakage, when the access floor is to be used as a plenum.

This system incorporates the use of a clip on air tight stringer that acts as a barrier in between the panels to eliminate air leakage.

System Applications:

General Offices
 Banks
 Learning Institutions
 Libraries
 Casinos
 5 and 6 green star rated buildings and projects



Design Features

Inbuilt Expansion Joint and Cut Out:

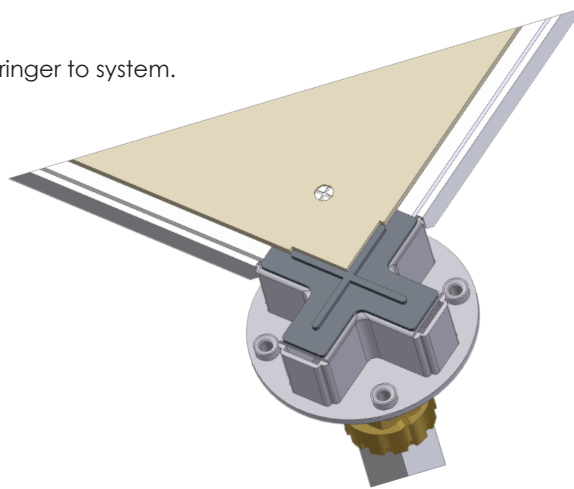
The panel has a special expansion cut out, and the pedestal head is fitted with an expansion gasket designed to keep the panels separated by 0.3mm at all times. This eliminates the panels clicking or rubbing up against each other during expansion.

4 Corner Screw Panel

Screw holes in each corner to allow panels to be individually screw fixed providing greater rigidity as well as easier and faster access.

AT Cavity Insert / AT Stringer

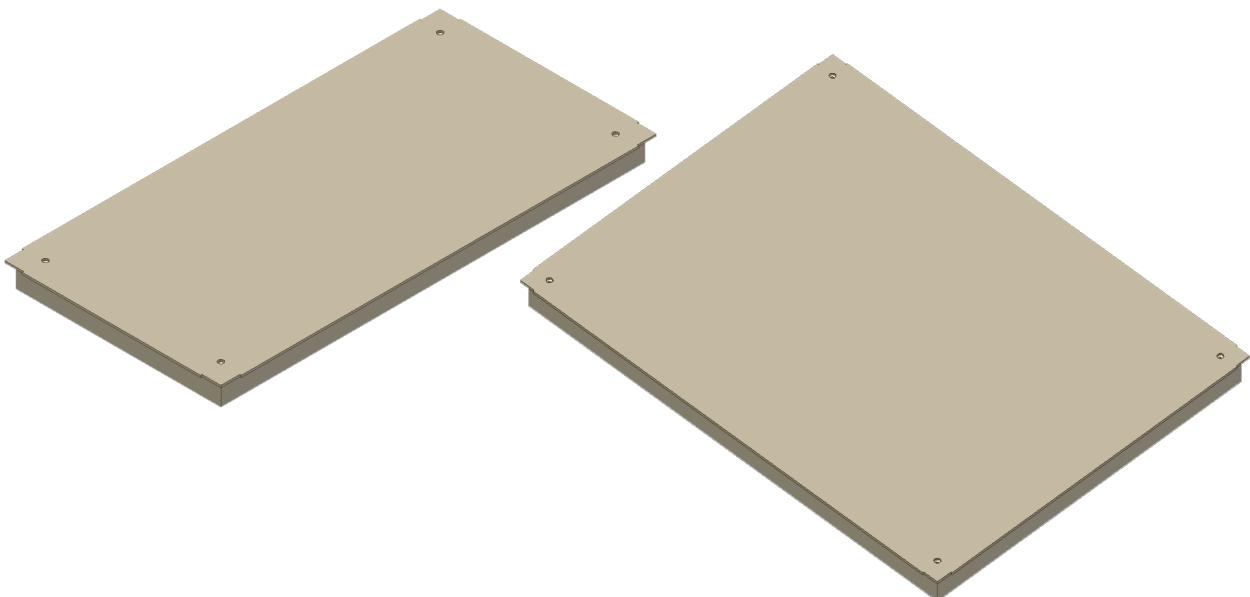
Clip insert in for the attachment of the AT stringer to system.



Finishing Panels

Full bearing 600 x 300mm and 600 x 800mm panels designed to minimise small off cuts experienced with cutting around equipment and finishing off to the perimeter.

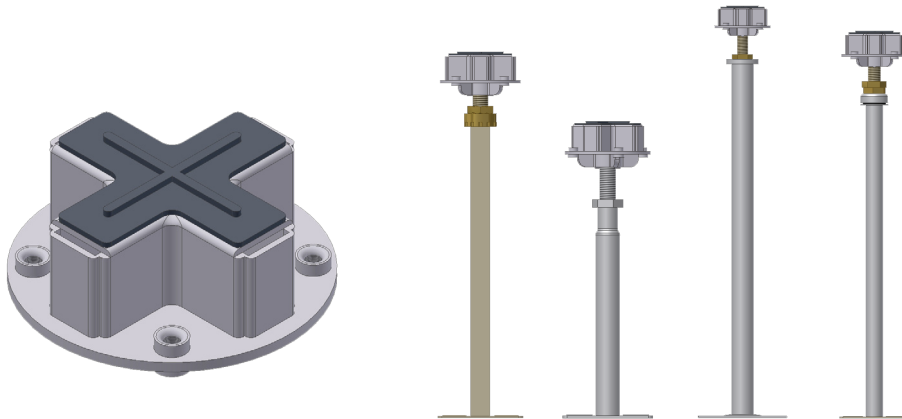
The 600 x 300mm panel may also be used when there is a necessity for a 300 x 600mm air grille.



System Understructure

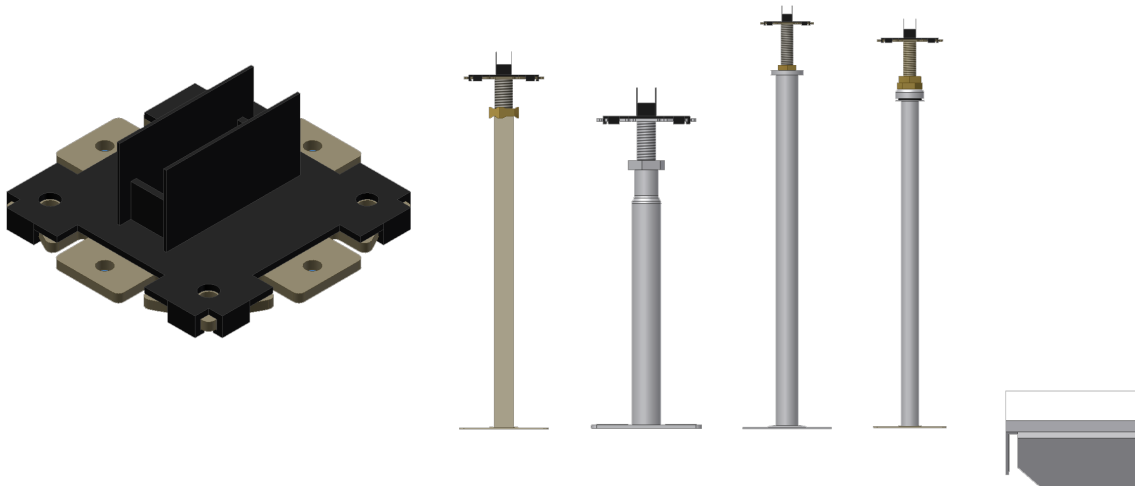
Field Pedestal: S5, S5-UK, S11, S14

The pedestal head remains the same for the entire system, where only minor changes are made to the pedestal tubes to suit the desired FFH.



Perimeter Pedestal: S6, S6-UK, S11, S15

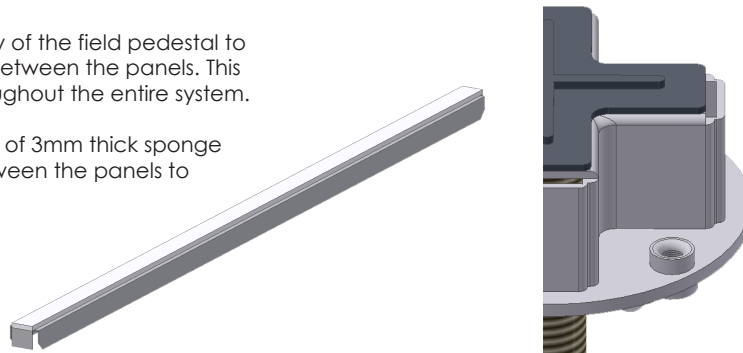
The pedestal head remains the same for the entire system, where only minor changes are made to the pedestal tubes to suit the desired FFH.



AT Stringer

AT stringer clips into the AT cavity of the field pedestal to minimise the air leakage lost in between the panels. This standard AT stringer is used throughout the entire system.

The top of the stringer comprises of 3mm thick sponge rubber to act as a barrier in between the panels to decrease the air leakage.



Load Tolerances - For 600 x 600 standard panels and specialised finishing panels

Medium Grade Panel: SC 3.6kN

Panel Grade	Concentrated Load	Uniform Load	Ultimate Load	Impact Load
Medium Grade	3.6 kN	9.4k N/m ²	14.7 kN	670 N
Rolling Loads	75 x 25mm 10 passes	150 x 50mm 10,000 passes	200 x 75mm 40,000 passes	
	3.6 kN	2.7 kN	2.25 kN	

Heavy Grade Panel: SC 4.5kN

Panel Grade	Concentrated Load	Uniform Load	Ultimate Load	Impact Load
Heavy Grade	4.5 kN	12 kN/m ²	16.9 kN	670 N
Rolling Loads	75 x 25mm 10 passes	150 x 50mm 10,000 passes	200 x 75mm 250,000 passes	
	4.5 kN	3.6 kN	2.25 kN	

Extra Heavy Grade: SC 5.6kN

Panel Grade	Concentrated Load	Uniform Load	Ultimate Load	Impact Load
Extra Heavy Grade	5.6 kN	14.4 kN/m ²	22.2 kN	670 N
Rolling Loads	75 x 25mm 10 passes	150 x 50mm 10,000 passes	200 x 75mm 500,000 passes	
	5.6 kN	4.5 kN	2.25 kN	

Industrial Grade: SC 6.6kN

Panel Grade	Concentrated Load	Uniform Load	Ultimate Load	Impact Load
Industrial Grade	6.6 kN	18 kN/m ²	26.7 kN	670 N
Rolling Loads	75 x 25mm 10 passes	150 x 50mm 10,000 passes	200 x 75mm 750,000 passes	
	6.6 kN	5.6 kN	2.25 kN	

Heavy Industrial Grade: SC 8.8kN

Panel Grade	Concentrated Load	Uniform Load	Ultimate Load	Impact Load
Extra Heavy Grade	8.8 kN	24 kN/m ²	31.1 kN	670 N
Rolling Loads	75 x 25mm 10 passes	150 x 50mm 10,000 passes	200 x 75mm 1,000,000 passes	
	8.8 kN	8.0 kN	2.25 kN	

Super Industrial Grade: SC 11kN

Panel Grade	Concentrated Load	Uniform Load	Ultimate Load	Impact Load
Super Industrial Grade	11 kN	28.2 kN/m ²	35.9 kN	670 N
Rolling Loads	75 x 25mm 10 passes	150 x 50mm 10,000 passes	200 x 75mm 1,000,000 passes	
	11 kN	10 kN	2.25 kN	

Testing Data:

- The above results have been obtained from independent testing and have been tested in accordance to AS4154-1993 (General Access Floor (Elevated Floors)) and CISCAs strict guidelines and regulations.
- As stated in the standards, the above mentioned panel deflection must not exceed 2.4mm based on a 24hr testing. In addition to this the above working loads for each panel carries a safety factor of 3 x the working load.

All ASP products are thoroughly tested and certified by qualified engineers. If you require further information please contact the technical team at ASP on (02) 9620 9915 or visit our contact page on www.aspfloors.com.au