



## STEEL CEMENTITIOUS ULTRAFIX SYSTEM

### RECOMMENDED APPLICATIONS



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#### SYSTEM NAME

Steel Cementitious Ultrafix System

#### SYSTEM CODE

SC-UF

#### COMPLIANT STANDARDS

 Australian Standard AS4154/AS4155  
 Australian Standard AS1170  
 CISCA Standard UFGS-09 69 11/15  
 PSA MOB PF2 1992  
 NATA Testing Certification  
 ISO9239-1-2003  
 EN12825-2001  
 DIN4102-1-1998

#### DESCRIPTION

The Steel Cementitious Ultrafix System is the most commonly specified system used in most general office applications.

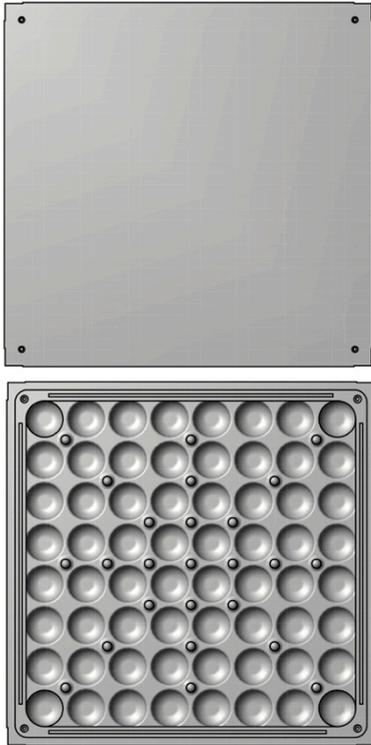
The system is used widely for power and data cable management.

### SPECIFIERS GUIDE

The adjacent table details how to nominate the ASP Ultrafix System in your project specification.

<b>SYSTEM NAME</b>	Steel Cementitious Ultrafix System
<b>SYSTEM CODE</b>	SC-UF
<b>PANEL LOAD TOLERANCE</b>	e.g. AS Medium Grade 3.0kN
<b>PANEL FINISH</b>	Bare
<b>FINISHED FLOOR HEIGHT (FFH)</b>	e.g. 150mm

## ACCESS FLOOR PANEL



<b>TYPE</b>	SC Series – Steel Cementitious
<b>SIZE</b>	The panels are 600mm x 600mm in size and are interchangeable with other panels. Also available are a series of load bearing finishing panels designed to minimise small off cuts experienced when cutting around columns, curved building designs and finishing off near perimeter walls. These finishing panels come in 600 x 800mm and 600 x 300mm sizes.
<b>DEPTH</b>	33mm
<b>CONSTRUCTION</b>	The panels consist of a hardened steel top and bottom sheet plate with corrosion resistant protection, inside and out, encapsulating a structural cementitious core.
<b>CORE</b>	Cementitious Compound
<b>TOLERANCE</b>	±0.25mm and a flatness tolerance of ±0.5mm measured on a diagonal across the top of the panel
<b>FINISH</b>	ASP's standard powder coated finish.
<b>CONNECTION</b>	The panel is screw fixed to the pedestal head at all four corners

## PANEL LOAD TOLERANCES

### AUSTRALIAN STANDARD (AS)

LOAD LEVEL	PANEL (KG)	SYSTEM (KG/M <sup>2</sup> at 150mm FFH)	STATIC PERFORMANCE (kN)			DYNAMIC PERFORMANCE (kN) - Passes			
			CONCENTRATED	IMPACT	ULTIMATE	10 (WHEEL SIZE 75X25MM)	10,000 (WHEEL SIZE 150X50MM)	40,000 (WHEEL SIZE 200X75MM)	UNIFORM (kPa/m <sup>2</sup> )
Medium Grade 3.0kN	13.5	41.6	3.0	0.4	9.0	2.7	2.7	2.25	N/A
Heavy Grade 4.5kN	14.2	43.55	4.5	0.4	13.5	4.4	3.3	2.25	N/A
Extra Heavy Grade 6.0kN	15.5	47.16	6.0	0.4	18.0	5.5	4.4	2.25	N/A

Safety Factor: Panels must provide a minimum safety factor of 3 times the concentrated load specified above in accordance with AS4154-1993.

### CISCA STANDARD

LOAD LEVEL	PANEL (KG)	SYSTEM (KG/M <sup>2</sup> at 150mm FFH)	STATIC PERFORMANCE (kN)			DYNAMIC PERFORMANCE (kN) - Passes			
			CONCENTRATED	IMPACT	ULTIMATE	10 (WHEEL SIZE 75X30MM)	10,000 (WHEEL SIZE 152X51MM)	40,000 (WHEEL SIZE 200X75MM)	UNIFORM (kPa/m <sup>2</sup> )
Heavy Grade 4.45kN (1000LBS)	14.3	43.82	4.45 (1000LBS)	0.67 (150LBS)	6.23 (1400LBS)	3.56 (800LBS)	2.67 (600LBS)	N/A	11.97 (250psf)
Extra Heavy Grade 5.56kN (1250LBS)	15.2	46.32	5.56 (1250LBS)	0.67 (150LBS)	8.01 (1800LBS)	4.45 (1000LBS)	3.56 (800LBS)	N/A	14.36 (300psf)
Industrial Grade 6.67kN (1500LBS)	17.6	52.99	6.67 (1500LBS)	0.67 (150LBS)	11.12 (2500LBS)	5.56 (1250LBS)	4.45 (1000LBS)	N/A	16.76 (250psf)
Heavy Industrial Grade 8.9kN (2000LBS)	19.1	57.15	8.9 (2000LBS)	0.67 (150LBS)	12.45 (2800LBS)	6.67 (1500LBS)	5.34 (1200LBS)	N/A	19.15 (400psf)
Super Industrial Grade 11.12kN (2500LBS)	20.0	59.65	11.12 (2500LBS)	0.67 (150LBS)	13.79 (3100LBS)	8.89 (2000LBS)	7.11 (1600LBS)	N/A	23.94 (500psf)

Safety Factor: Panels must provide a minimum safety factor of 5 times the uniform load specified above in accordance with ICC-ES AC300.

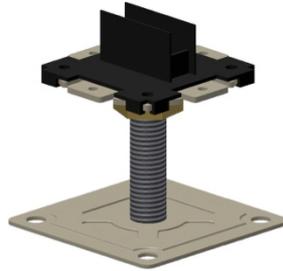
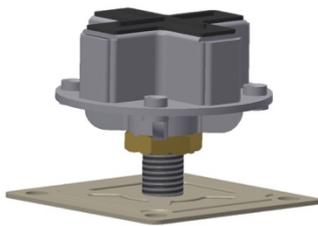
### PSA MOB STANDARD

LOAD LEVEL	PANEL (KG)	SYSTEM (KG/M <sup>2</sup> at 150mm FFH)	STATIC PERFORMANCE (kN)		
			CONCENTRATED	IMPACT	UNIFORM (kN/m <sup>2</sup> )
Medium Grade 3.0kN	13.2	40.78	3.0kN	0.4	6.7
Heavy Grade 4.5kN	14.1	43.27	4.5kN	0.4	12.0

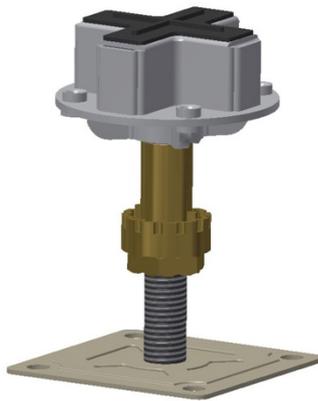
Safety Factor: Panels must provide a minimum safety factor of 3 times the concentrated load specified above in accordance with PSA MOB PF2 1992.

**ACCESS FLOOR PEDESTALS**
**FINISHED FLOOR HEIGHT (FFH)**
**FIELD PEDESTAL**
**PERIMETER PEDESTAL**
**S1**
**S2**

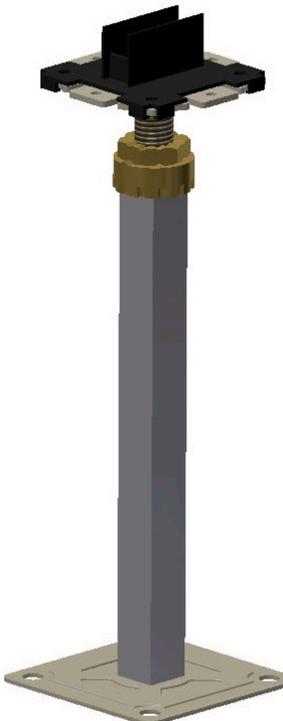
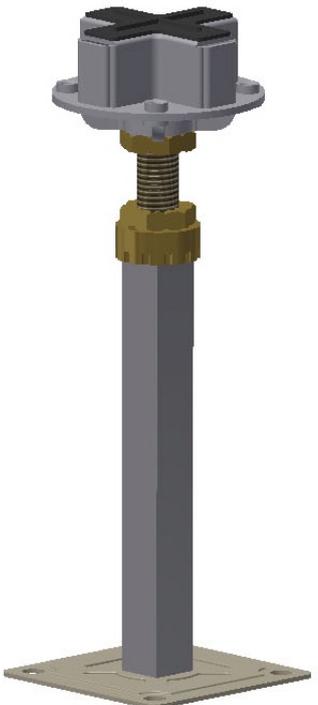
FFH 50 - 110mm


**S3**
**S4**

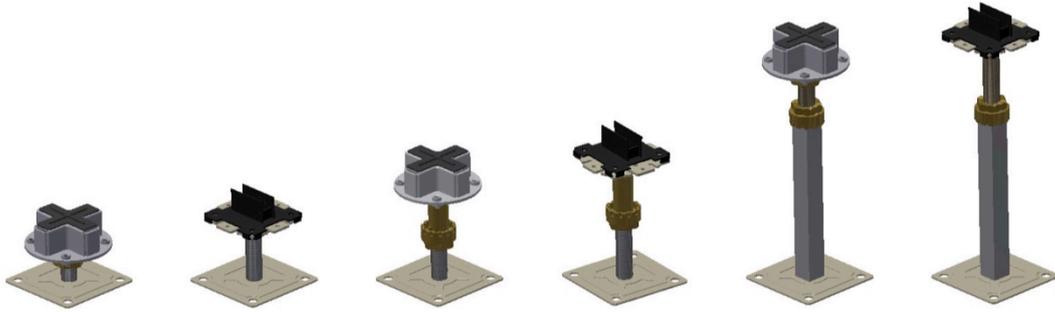
FFH 110 - 180mm


**S5**
**S6**

FFH 180 - 110mm



<b>SIZE</b>	10,000mm <sup>2</sup> base plate
<b>CONSTRUCTION</b>	Steel pedestal base and aluminium head assembly with a zinc electro-plated rod
<b>LOCKING</b>	The pedestals will be provided with an adjusting and locking nut to maintain the assembly at a selected height, which requires a deliberate action to change the height setting, and which prevents vibration displacement.
<b>FINISH</b>	ASP's standard powder coated finish.
<b>CONNECTION</b>	The panel is screw fixed to the pedestal head at all four corners
<b>FINISHED FLOOR HEIGHT (FFH)</b>	The finished floor height of the access floor is measured from the sub-floor to the top surface of the installed access floor.



S1  
FFH 50 - 110mm

S2  
FFH 50 - 110mm

S3  
FFH 110 - 180mm

S4  
FFH 110 - 180mm

S5  
FFH 180 - 800mm

S6  
FFH 180 - 800mm

*Note: Access floor systems with a FFH over 800mm use the ASP Rigid Grid System*