



STEEL WRAPPED WOOD CORE SYSTEM

RECOMMENDED APPLICATIONS



GENERAL OFFICE



LEARNING INSTITUTIONS



CASINO'S



LIBRARIES



BANKS

SYSTEM NAME

Steel Wrapped Wood Core System

SYSTEM CODE

SW-WC

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 Wrapped Wood Core System has been designed for general office areas such as commercial complexes, banks, libraries and learning institutions where the space is occupied by workstations and office equipment.

SPECIFIERS GUIDE

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

SYSTEM NAME	Steel Wrapped Wood Core System
SYSTEM CODE	SW-WC
PANEL LOAD TOLERANCE	e.g. AS Medium Grade 3.0kN
PANEL FINISH	Bare
FINISHED FLOOR HEIGHT (FFH)	e.g. 150mm



TYPE	SW Series – Steel Wrapped
SIZE	The panels are 600mm x 600mm in size and are interchangeable with other panels.
DEPTH	30mm
CONSTRUCTION	The panel is constructed from a lower sheet of die formed steel and the moisture resistant wood core is placed in the lower case. A top sheet of steel is then positioned and the edges are flowed and pressed to overlap the lower case.
CORE	Timber
TOLERANCE	±0.25mm and a flatness tolerance of ±0.5mm measured on a diagonal across the top of the panel
FINISH	Galvanized steel.
CONNECTION	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 ² 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 ²)
Medium Grade 3.0kN	9.0	28.4	3.0	0.4	9.0	2.7	2.7	2.25	N/A
Heavy Grade 4.5kN	10.0	31.2	4.5	0.4	11.3	4.4	3.3	2.25	N/A
Extra Heavy Grade 6.0kN	11.0	34.0	6.0	0.4	16.8	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 ² 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 ²)
Heavy Grade 4.45kN (1000LBS)	9.2	29.0	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)	10.2	31.7	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)	11.2	34.5	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)	12.2	37.3	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)	13.2	40.1	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.

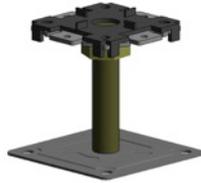
PSA MOB STANDARD

LOAD LEVEL	PANEL (KG)	SYSTEM (KG/M ² at 150mm FFH)	STATIC PERFORMANCE (kN)		
			CONCENTRATED	IMPACT	UNIFORM (kN/m ²)
Medium Grade 3.0kN	8.8	27.8	3.0kN	0.4	6.7
Heavy Grade 4.5kN	9.8	30.6	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
S2

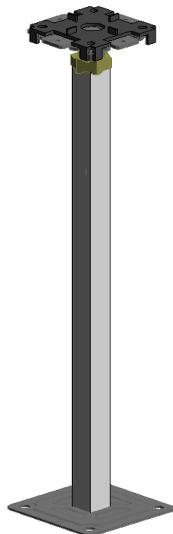
FFH 50 - 110mm


S4

FFH 110 - 180mm

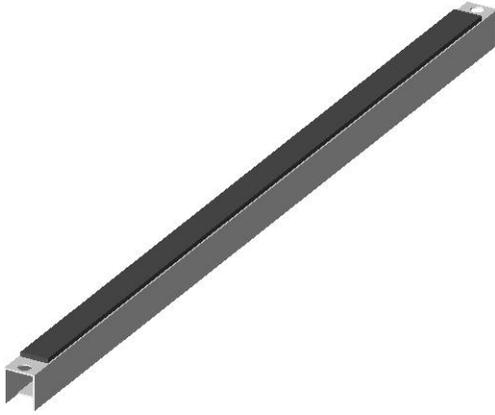

S6

FFH 180-1200mm



SIZE	10,000mm ² base plate
CONSTRUCTION	Steel pedestal base and aluminium head assembly with a zinc electro-plated rod.
LOCKING	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.
FINISH	ASP's standard powder coated finish.
CONNECTION	The panel is either gravity laid or screw fixed to the pedestal head at all four corners
FINISHED FLOOR HEIGHT (FFH)	The finished floor height of the access floor is measured from the sub-floor to the top surface of the installed access floor.

ACCESS FLOOR BRIDGING STRINGERS



TYPE	WG6 Stringer
SIZE	600mm
CONSTRUCTION	The steel stringers shall be 31mm x 21mm x 1.2mm rectangular welded tube. The stringers shall be provided with a 3mm sponge rubber foam to provide sound absorbing buffer between the stringer and the panel.
FINISH	Galvanized steel.
CONNECTION	The stringer is screw fixed to the pedestal head. A rigid grid system is used for FFH over 800mm