CALCIUM SULPHATE INTERLOCK SYSTEM

RECOMMENDED APPLICATIONS

STONE AREAS

TILED AREAS

SYSTEM NAME

Calcium Sulphate Interlock System

SYSTEM CODE

CS-IL

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 Calcium Sulphate Interlock System has been designed for applications where stone or tile finishes are to be applied.

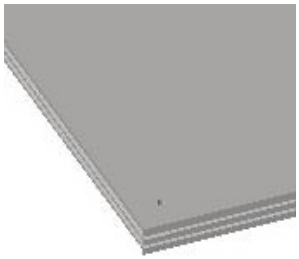
The panel and under-structure unite to form an extremely stable surface so that stone and tile surfaces can be directly applied. The stringerless under-structure is secured onto the existing slab by using either pedestal adhesive, or being pinned or bolted. The panel is screw fixed onto the pedestal head at each corner to help provide rigidity to the system.

SPECIFIERS GUIDE

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

SYSTEM NAME	Calcium Sulphate Interlock System
SYSTEM CODE	CS-IL
PANEL LOAD TOLERANCE	6.0kN
PANEL FINISH	Bare
FINISHED FLOOR HEIGHT (FFH)	e.g. 150mm

ACCESS FLOOR PANEL



TYPE	CS Series – Calcium Sulphate
SIZE	The panels are 600mm x 600mm in size.
DEPTH	30mm
CONSTRUCTION	The panel shall consist of a bare calcium sulphate surface and a bottom steel plate. It also has a specially designed interlock edge profile to ensure panels remain locked together with minimal movement.
CORE	Calcium Sulphate
TOLERANCE	±0.25mm and a flatness tolerance of ±0.5mm measured on a diagonal across the top of the panel
FINISH	Bare Calcium Sulphate.
CONNECTION	The panel interlocks to the adjacent panels and can be screw fixed to the pedestal head at all four corners.

DESIGN FEATURES

INTERLOCKING EDGES

The CS-IL has a specially designed interlock edge profile to ensure panels remain locked together. This eliminates the problem of movement and so alleviates the need for a substrate to be laid before tiles or stone are installed.

SCREW HOLE CORNERS

The CS-IL panel also has a screw hole in each corner enabling the panel to be screw fixed into the pedestal head providing greater rigidity along with easier and faster access.

PANEL LOAD TOLERANCES

AUSTRALIAN STANDARD (AS)

			STATIC PERFORMANCE (kN)			DYNAMIC PERFORMANCE (kN) - Passes			
LOAD LEVEL	PANEL (KG)	SYSTEM (KG/M² at 150mm FFH)	CONCENTRATED	IMPACT	ULTIMATE	10 (WHEEL SIZE 75X25MM)	10,000 (WHEEL SIZE 150X50MM)	40,000 (WHEEL SIZE 200X75MM)	UNIFORM (kPa/m²)
Extra Heavy Grade 6.0kN	20.0	56.9	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.

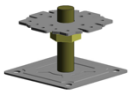
CISCA STANDARD

			STATIC PERFORMANCE (kN)			DYNAMIC PERFORMANCE (kN) - Passes			
LOAD LEVEL	PANEL (KG)	SYSTEM (KG/M² at 150mm FFH)	CONCENTRATED	IMPACT	ULTIMATE	10 (WHEEL SIZE 75X30MM)	10,000 (WHEEL SIZE 152X51MM)	40,000 (WHEEL SIZE 200X75MM)	UNIFORM (kPa/m²)
Extra Heavy Grade 5.56kN (1250LBS)	19.2	54.7	5.56 (1250LBS)	0.67 (150LBS)	8.01 (1800LBS)	4.45 (1000LBS)	3.56 (800LBS)	N/A	14.36 (300psf)

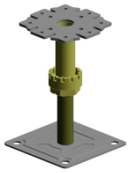
Safety Factor: Panels must provide a minimum safety factor of 5 times the uniform load specified above in accordance with ICC-ES AC300.

UNDERSTRUCTURE

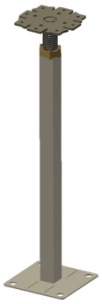
FINISHED FLOOR HEIGHT (FFH) 50-110mm FFH
S2 System



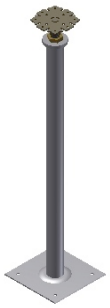
FINISHED FLOOR HEIGHT (FFH) 110-180mm FFH
S4 System



FINISHED FLOOR HEIGHT (FFH) 180-1200mm FFH
S8 System



FINISHED FLOOR HEIGHT (FFH) 110-180mm FFH
S11 System



SIZE	10,000mm² base plate
CONSTRUCTION	Steel pedestal base and nickel chrome 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	The base is ASP's standard powder coated finish.
CONNECTION	The panel is 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.