

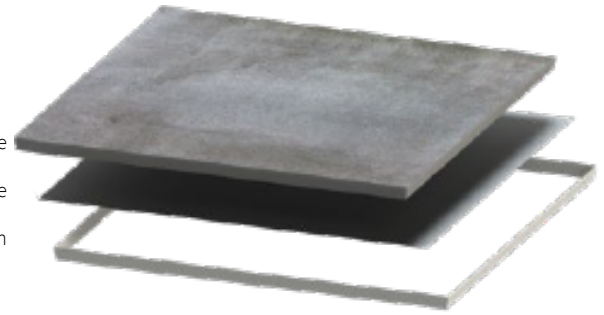
# CONCEPT+ SERIES CONCEPT+ CONCRETE

## RECOMMENDED APPLICATIONS



Galvanized Steel Reinforcing Backplate

ABS Edge Trim



### SYSTEM NAME

Concept+ Concrete Heavy Grade 4.5kN

### DESCRIPTION

ASP Access Floors prefinished Concrete Porcelain Panels in the Concept+ Series provides a comprehensive range to create stunning design solutions. Beautiful, durable and easy to maintain, these panels epitomize the luxury of concrete floors at a fraction of the cost.

Opulent 20mm thick tiles are prefinished into a 600x600mm access floor panel, ensuring that your design maintains functional accessibility to the services in the underfloor space such as power, data, fire and hydraulics.

### COMPLIANT STANDARDS

Australian Standard AS4154/AS4155  
Australian Standard AS1170  
NATA Testing Certification  
ISO9239-1-2003  
EN12825-2001  
EN 14411:2016 Tiles  
DIN4102-1-1998

### FINISH

R10 Matt Finish

### CONSTRUCTION

The panels consist of a lower sheet of reinforcing 0.5mm galvanised steel that is adhered to the underside of the porcelain tile and finished with an ABS edge trim.

### TOLERANCE

±0.25mm and a flatness tolerance of ±0.5mm measured on a diagonal across the top of the panel

### CONNECTION

The panel is gravity held on top of the stringer assembly.

### SIZE

600mm x 600mm

### DEPTH

20mm Tile with 0.5mm Galvanised Steel Backplate

## PERFORMANCE TO STANDARDS GUIDE PER AS4154 – 1993 AUSTRALIAN STANDARD – GENERAL ACCESS FLOORS

Load Level	Panel (kg)	System (kg/m <sup>2</sup> at 150mm FFH)
4.5kN Heavy Grade	18	54.1
<b>STATIC PERFORMANCE (kN)</b>		
<b>Concentrated</b>	<b>Impact</b>	<b>Ultimate</b>
4.5	0.4	13.5
<b>DYNAMIC PERFORMANCE (kN) - Passes</b>		
<b>10 passes (wheel size 75x25mm)</b>	<b>10,000 passes (wheel size 150x50mm)</b>	<b>40,000 passes (wheel size 200x75mm)</b>
4.4	3.3	2.25
<p><b>Safety Factor:</b> Panels must provide a minimum safety factor of three (3) times the concentrated load specified above in accordance with Australian Standards AS4154-1993</p>		



### PEDESTAL SIZE

100mm x 100mm base plate

### PEDESTAL CONSTRUCTION

Hot dipped galvanised steel pedestal base and rod. Steel head assembly with ABS locating gasket.

### PEDESTAL 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.

### PEDESTAL FINISH

Hot dipped galvanised finish.

### PEDESTAL CONNECTION

The panel is gravity held on top of the stringer assembly.

### 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.

### STRINGER SIZE

31mm x 21mm x 1.2mm x 600mm

### STRINGER CONSTRUCTION

Rectangular steel welded tube with 1.6mm sponge rubber foam.

### STRINGER FINISH

Hot dipped galvanised finish.

### STRINGER CONNECTION

The stringer is screw fixed to the pedestal.

## PERFORMANCE OF SURFACE FINISH

PROPERTIES	TEST METHOD	REQUIREMENTS	RESULT	
WATER ABSORPTION	EN ISO 10545-3:1997	$E_b \leq 0.5\%$	0.27%	Pass
		Individual Maximum 0.6%	0.20% - 0.39%	Pass
BREAKING STRENGTH in N	EN ISO 10545-4:2014	$\geq 1300$	7619	Pass
ABRASION RESISTANCE	EN ISO 10545-7:1998/AC:1999	Report Abrasion Class	Class 3	
		Report Cycles Passed	750	
THERMAL SHOCK RESISTANCE	EN ISO 10545-9:2013	Pass	Fully Resistant	Pass
CRAZING RESISTANCE	EN ISO 10545-11:1996	Pass	Fully Resistant	Pass
FROST RESISTANCE	EN ISO 10545-12:1997	Pass	Fully Resistant	Pass
SLIP RATING	DIN 51130:2014	Declared Value	Classification: R10	
REACTION TO FIRE	CWT	Class A <sub>1FL</sub>	Class A <sub>1FL</sub>	Pass
RESISTANCE TO STAINING				
a) GREEN STAINING AGENT IN LIGHT OIL	EN ISO 10545-14:2015	Minimum Class 3	Class 5	Pass
b) RED STAINING AGENT IN LIGHT OIL	EN ISO 10545-14:2015	Minimum Class 3	Class 5	Pass
c) IODINE 13G/L SOLUTION IN ALCOHOL	EN ISO 10545-14:2015	Minimum Class 3	Class 5	Pass
d) OLIVE OIL	EN ISO 10545-14:2015	Minimum Class 3	Class 5	Pass
RESISTANCE TO CHEMICALS				
a) HOUSEHOLD CHEMICALS: AMMONIUM CHLORIDE 100G/L	EN ISO 10545-13:2016	Minimum Class B	Class A	Pass
b) HYDROCHORIC ACID SOLUTION 3%	EN ISO 10545-13:2016	Declared Value	LA	
c) CITRIC ACID SOLUTION 100G/L	EN ISO 10545-13:2016	Declared Value	LA	
d) POTASSIUM HYDROXIDE 30G/L	EN ISO 10545-13:2016	Declared Value	LA	
e) HYDROCHORIC ACID SOLUTION 18%	EN ISO 10545-13:2016	Declared Value	HA	
f) LACTIC ACID 5%	EN ISO 10545-13:2016	Declared Value	HA	
g) POTASSIUM HYDROXIDE 100G/L	EN ISO 10545-13:2016	Declared Value	HA	

## CARE & MAINTENANCE

Maintenance should be carried out regularly to retain the appearance and durability of the floor. The floorcovering should be maintained with regular sweeping or vacuuming. Floors can be cleaned using a microfibre mop or cloth dampened with warm water. For textured tiles use a microfibre string mop. For smooth surface tiles use a flat microfibre mop.

If spot cleaning is required use a neutral cleanser. The floors should only be cleaned with a neutral pH cleaner; all-purpose cleaners that contain crystallizing salts, alkali, or acids should be avoided,

Dry floors using a dry mop. It is not recommended that floors be left to dry naturally.