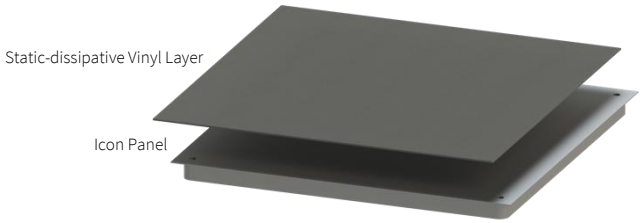
AUSTRALASIA EPD®
ENVIRONMENTAL PRODUCT DECLARATION

green building council australia

DATA SERIES
ICON DATA VINYL



RECOMMENDED APPLICATIONS

DATA CENTRES SERVER ROOMS

SYSTEM NAME
Icon Data Vinyl Heavy Grade 4.5kN

DESCRIPTION
Icon Data Vinyl is a finished system designed for Computer and Data Centre environments. It can be used for mapping and distributing cabling, data and other electrical services in the sub-floor.

The Icon Data Vinyl system has a Dissipative Anti-static 2mm Vinyl surface finish. The Vinyl protects against voltage shorts that can occur with electrical equipment and creates an electrostatic discharge to help prevent buildup of the static electricity which could damage equipment.

COMPLIANT STANDARDS
Australian Standard AS4154/AS4155
Australian Standard AS1170
NATA Testing Certification
ISO9239-1-2003
EN12825-2001
DIN4102-1-1998

CORE Cementitious Compound

FINISH Gerflor Mipolam Robust EL7 Dissipative Anti-static 2mm Vinyl surface finish.

CONSTRUCTION
The panels consist of a hardened steel top and bottom sheet plate with corrosion resistant protection, inside and out, encapsulating a structural cementitious core.

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 34.6mm

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

Load Level	Panel (kg)	System (kg/m² at 450mm FFH)
4.5kN Heavy Grade	14.2	48.1
STATIC PERFORMANCE (kN)		
Concentrated	Impact	Ultimate
4.5	0.4	13.5
DYNAMIC PERFORMANCE (kN) - Passes		
10 passes (wheel size 75x25mm)	10,000 passes (wheel size 150x50mm)	40,000 passes (wheel size 200x75mm)
4.4	3.3	2.25
Uniform (kN/m²)	23.3	

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

PEDESTAL SIZE
100mm x 100mm base plate

PEDESTAL CONSTRUCTION
Hot dipped galvanised steel pedestal base, head and rod. Finished with an 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 galvanized finish.

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

PEDESTAL 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 galvanized finish.

STRINGER CONNECTION
The stringer is screw fixed to the pedestal head.

MAINTENANCE GUIDE

CLEANING OF PANEL SURFACE COVERING

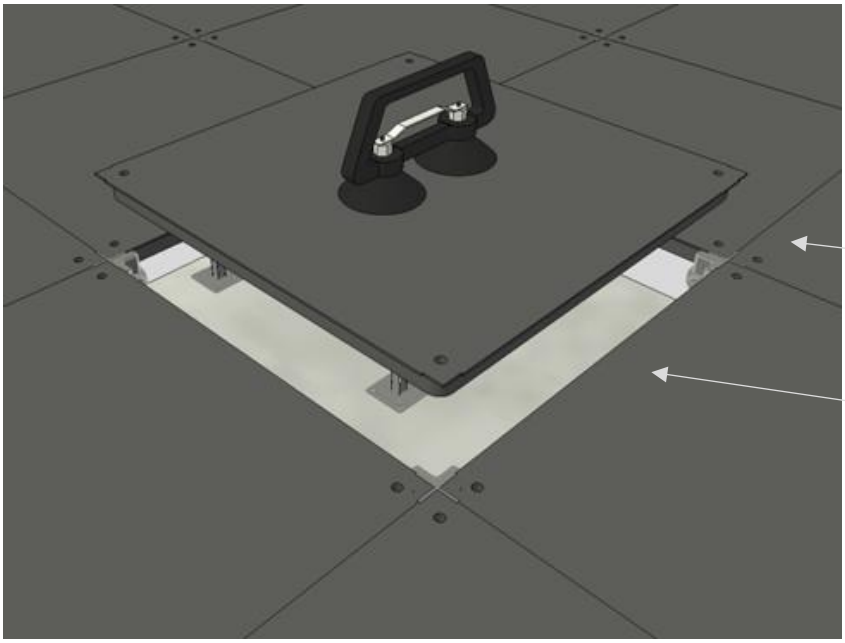
Any dust or building debris falling on top of the panels should not be swept across the top of the floor; instead, it should be vacuumed away. Sweeping access floors can force dust between panel edges or onto pedestal heads and stringers which can cause noise issues.

APPLICATION TO FINISHES

Prior to applying any finishes on the raised access floor system, the entire surface must be thoroughly cleaned and vacuumed. This process is essential to prevent dust and debris becoming trapped between panels and in the adhesive layer of subsequent finishes which can lead to potential noise issues.

SITE CONDITIONS

Activities that generate significant dust onsite, during or after the access floor installation process, should be effectively managed by the head contractor to avoid a build-up on pedestal heads or stringers that can cause potential, unwanted noise issues. Vacuuming of fine dust accumulated on the access floor panels is recommended over sweeping.



Vacuum to ensure the surface is free from debris, clearing all dust prior to the application of finishes.

Avoid sweeping across the top of the floor to prevent dust being forced between panels.

MAINTENANCE CONTACT DETAILS

If you require further assistance regarding maintenance instructions of an ASP Access Flooring system, please contact:

CONTACT: ASP Sales
PHONE: 02 9620 9915
EMAIL: sales@aspfloors.com.au
WEBSITE: www.aspfloors.com

Gerflor theflooringgroup	MIPOLAM ROBUST EL7		
DESCRIPTION			
Total thickness	EN ISO 24346	mm	2.00
Weight	EN ISO 23997	g/m²	3300
Width of sheet	EN ISO 24341	cm	200
Length of sheet	EN ISO 24341	lm	20
Tile size	EN ISO 24342	mm	608 x 608
Number of tiles per package		-	20
CLASSIFICATION			
Standard / Product specification	-	-	EN ISO 10581
European classification	EN ISO 10874	class	34 - 43
Fire rating	EN 13501-1	class	B_{fl}-s1
Electrical resistance (1)	EN 1081	Ohm	10^6 :s Rt :s 10^8
Electrical resistance	ASTM F 150	Ohm	10^6 :s Rt :s 10^9 (2)
Static electrical propensity	EN 1815	kV	< 2
PERFORMANCE			
Type Binder content	EN ISO 10581	type	II
Dimensional stability	EN ISO 23999	%	sheet :s 0.40 tile :s 0.25
Residual indentation (norm)	EN ISO 24343-1	mm	≤ 0.10
Residual indentation (average measured value)	-	mm	~ 0,03
Castor chair test (type W)	ISO 4918	-	OK
Thermal conductivity	EN ISO 10456	W/(m.K)	0.25
Colour fastness	EN 20 105 - B02	degree	• 6
Chemical products resistance	EN ISO 26987	-	OK
ENVIRONMENT / INDOOR AIR QUALITY			
TVOC after 28 days	ISO 16000-6	µg/ m³	< 10
CE MARKING			
CE	EN 14041	-	≤10⁹Ω DS
		-	B_{fl}-s1

(1) Measured before installation
(2) If RH level is > 40%

ICON Data Vinyl Colour Hub

PLATINUM (0002)

IVORY (0003)

CLAY (0004)

STEEL (0005)

HONEY (0006)

PEWTER (0013)

WHITE (0103)

STORM (0112)

GREEN (0306)

*Colours are subject to availability and minimum order quantities may apply.