

POWERFLOOR RAISED FLOOR SYSTEM



Innovations In Raised Floor



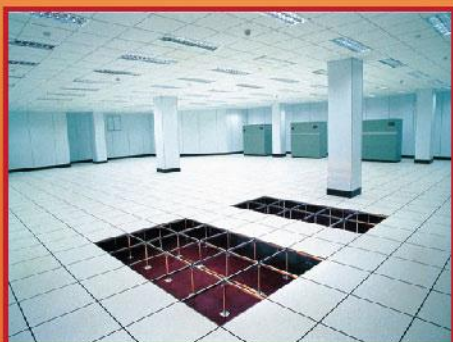
POWERFLOOR has been developed for more than 10 years and now is the premier supplier of raised floor systems for wire or cable management. We do research and development on raised floor that comply with PSA MOB PF2 PS/SPU standard.



POWERFLOOR is one of the strongest raised floor, the most adaptable raised floor, and the most cost-effective raised access flooring system available in Malaysia.



Whether used as a raised access floor, computer floor, or general office floor, **POWERFLOOR** provides optimum cable management, saving life cycle costs and greatly improving workplace efficiency for the modern office and computer environment. And this system can be removed or changed at any time thereafter to provide maximum flexibility.



POWERFLOOR - The brand you can trust!

HPL PANEL

POWERFLOOR HPL panel is an epoxy coated unitized hollow shell consisting of a flat steel top sheet welded to a formed steel bottom sheet filled with a highly controlled mixture of lightweight cement. On top of the steel sheet is laminated with an anti-static HPL (High Pressure Laminated) sheet as a top finishing. It is manufactured to exacting tolerances, these non-combustible rigid, solid panels deliver to ultimate in strength and durability with the convenience of lightweight construction.

Model	: PH-800, PH-1000, PH-1250, PH-1500
Top Surface	: High pressure laminate tile (HPL)
Ingredient	: Cement
Size	: 600mm × 600mm × 35mm
Height	: 100mm – 1000mm

HPL Panel c/w Understructure



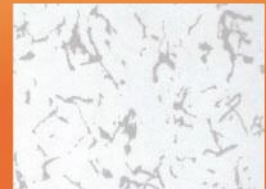
Rigid Grid System



Bottom Surface



Top Surface

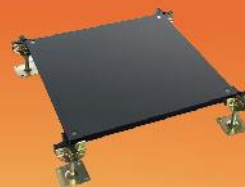


BARE PANEL

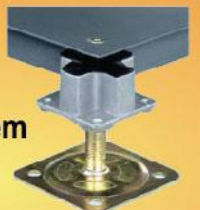
POWERFLOOR bare panel is an epoxy coated unitized shell consisting of a flat steel top sheet welded to a formed steel bottom sheet filled with a highly controlled mixture of lightweight cement. It is manufactured to exact tolerances these solid panels deliver the ultimate in design, performance, plenum integrity, service and usability. Since it is a bare finished on top of the panel, carpet or vinyl would be an option used to cover the top of the panel.

Model	: PB-800, PB-1000, PB-1250, PB-1500
Top Surface	: None
Ingredient	: Cement
Size	: 600mm × 600mm × 35mm
Height	: 100mm – 1000mm

Bare Panel c/w Understructure



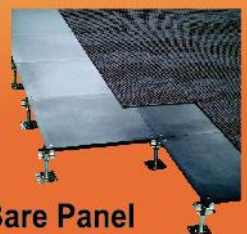
Corner Lock System



Bottom Surface



Carpeted Bare Panel



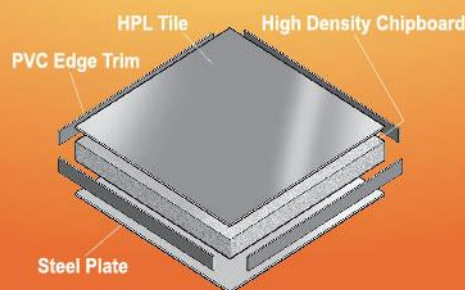
WOODCORE PANEL



Woodcore Panel
c/w Understructure



Rigid Grid System

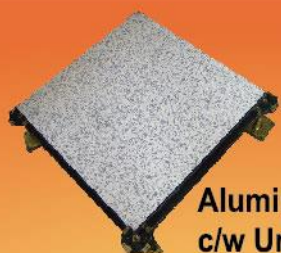


Woodcore Panel Structure

POWERFLOOR woodcore panel is constructed by a high density moisture resistant structural grade chipboard core encased in steel sheets top and bottom with a PVC edge trim. On top of the steel sheet is laminated with an anti-static HPL (High Pressure Laminated) sheet as a top finishing. The moisture resistant structural core protects the panel from situations that normally permanently damage a traditional woodcore panel. The panel is of robust construction and provides excellent uniform load performance.

Model	: PW-800, PW-1000, PW-1250, PW-1500
Top Surface	: High pressure laminate tile (HPL)
Ingredient	: High density chipboard
Size	: 600mm × 600mm × 32mm 600mm × 600mm × 40mm
Height	: 100mm – 1000mm

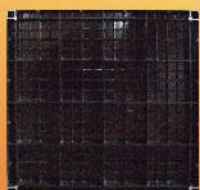
ALUMINIUM PANEL



Aluminum Panel
c/w Understructure



Rigid Grid System



Bottom Surface



Top Surface

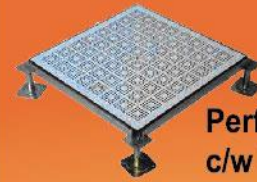
POWERFLOOR aluminium panel is die-casting with aluminium ingot, which is light and handy and with strong anti-corrosion. It is designed with construction theory, which breaks through traditional thought and is with stronger loading performance. In order to meet various needs of clean room, 20% open-ratio perforated panel and 50% open-ratio grating panel are created to fulfill the requirement.

Model	: PA-1250
Top Surface	: Vinyl tile
Ingredient	: Aluminium
Size	: 600mm × 600mm × 50mm
Height	: 100mm – 1000mm

POWERFLOOR perforated panel and grates provide superior cooling for managing heat loads in mission critical facilities. Perforated steel panel is compatible with all steel panels in bolted stringer system. These perforated raised access floor panels allow for free flow of air. Perforated raised access floor panels come with or without damper to control air flow.

Model : PP-660, PP-1000, PP-1250, PP-1500
Top Surface : High pressure laminate tile (HPL) / Vinyl tile
Ingredient : None
Size : 600mm × 600mm × 35mm
600mm × 600mm × 50mm
Height : 100mm – 1000mm

PERFORATED PANEL



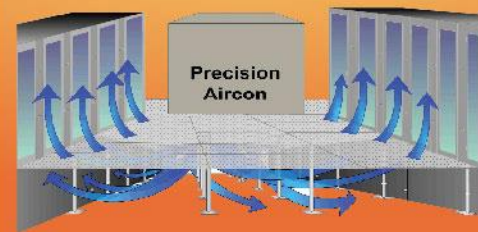
Perforated Panel
c/w Understructure



Bottom Surface



Heavy Duty
Perforated Panel

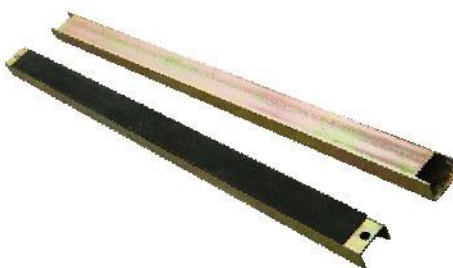


Air Ventilation System

UNDERSTRUCTURE

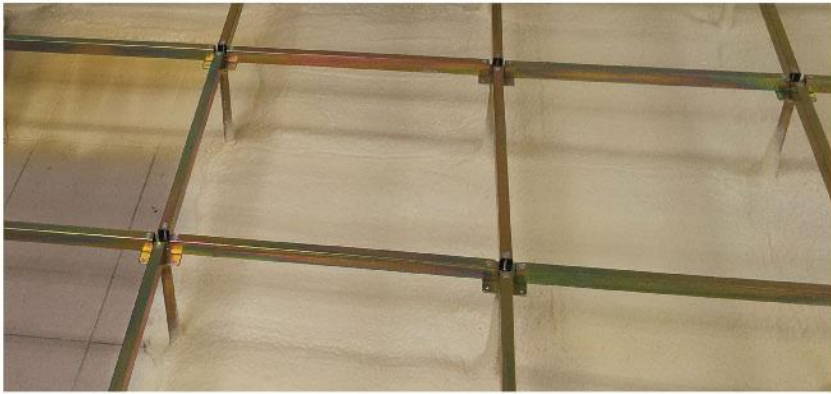


Pedestal



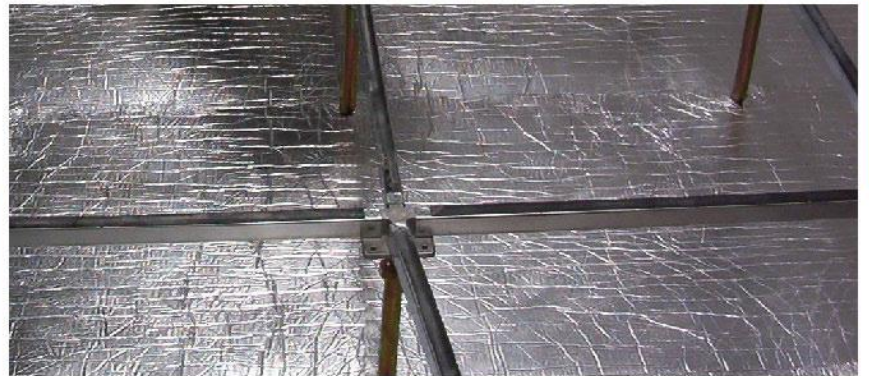
Stringer

FLOOR INSULATION

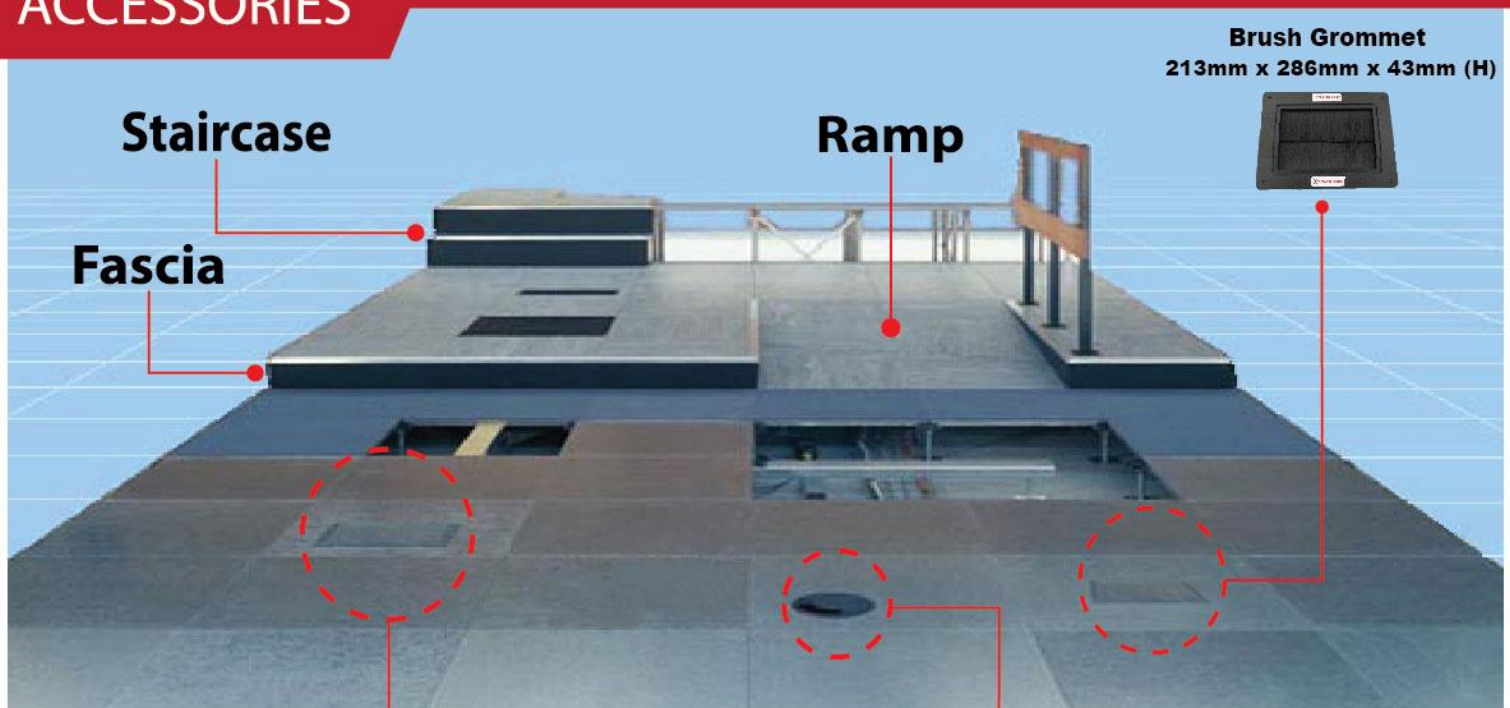


**POLYURETHANE FOAM
(PU FOAM)**

**POLYETHYLENE FOAM
(PE FOAM)**



ACCESSORIES



Brush Grommet
213mm x 286mm x 43mm (H)



Staircase
Fascia

Ramp



Power Box
339mm x 244mm x 85mm (H)



Double Cup Panel Lifter



Grommet
Top Diameter : 140mm

HPL Panel

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load
	lbs/in ²	KN/m ²	10 passes	10000 passes	KN	N
PH-800	800	12	3560	2670	0.5	14680
PH-1000	1000	13	4450	3560	0.5	16900
PH-1250	1250	14	5560	4450	0.6	22240
PH-1500	1500	16	6670	5560	0.6	26690

Bare Panel

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load
	lbs/in ²	KN/m ²	10 passes	10000 passes	KN	N
PB-800	800	12	3560	2670	0.5	14680
PB-1000	1000	13	4450	3560	0.5	16900
PB-1250	1250	14	5560	4450	0.6	22240
PB-1500	1500	16	6670	5560	0.6	26690

Woodcore Panel

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load
	lbs/in ²	KN/m ²	10 passes	10000 passes	KN	N
PW-800	800	12	3560	2670	0.5	14680
PW-1000	1000	13	4450	3560	0.5	16900
PW-1250	1250	14	5560	4450	0.6	22240
PW-1500	1500	16	6670	5560	0.6	26690

Aluminium Panel

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load
	lbs/in ²	KN/m ²	10 passes	10000 passes	KN	N
PA-1250	1250	14	5560	4450	0.6	22240

Perforated Panel

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load	Air Flow Rate
	lbs/in ²	KN/m ²	10 passes	10000 passes	KN	N	%
PP-660	660	10	2946	2356	0.4	8850	22
PP-1000	1000	13	4450	3560	0.5	16900	30
PP-1250	1250	14	5560	4450	0.6	22240	50
PP-1500	1500	16	6670	5560	0.6	26690	50



Authorized Dealer

