POWERFLOOR ENGINEERING SDN BHD
(850318-D)
Lot C1, Jalan KPB 12,
Kawasan Perindustrian Kg Baru Balakong,
43300 Seri Kembangan,
Selangor, Malaysia.

Tel: 012-281 7128 / 012-224 6018
Whatsapp: 011-5987 1880

Email: powerfloor.info@gmail.com
info@powerfloor.com.my

powerfloor.com.my

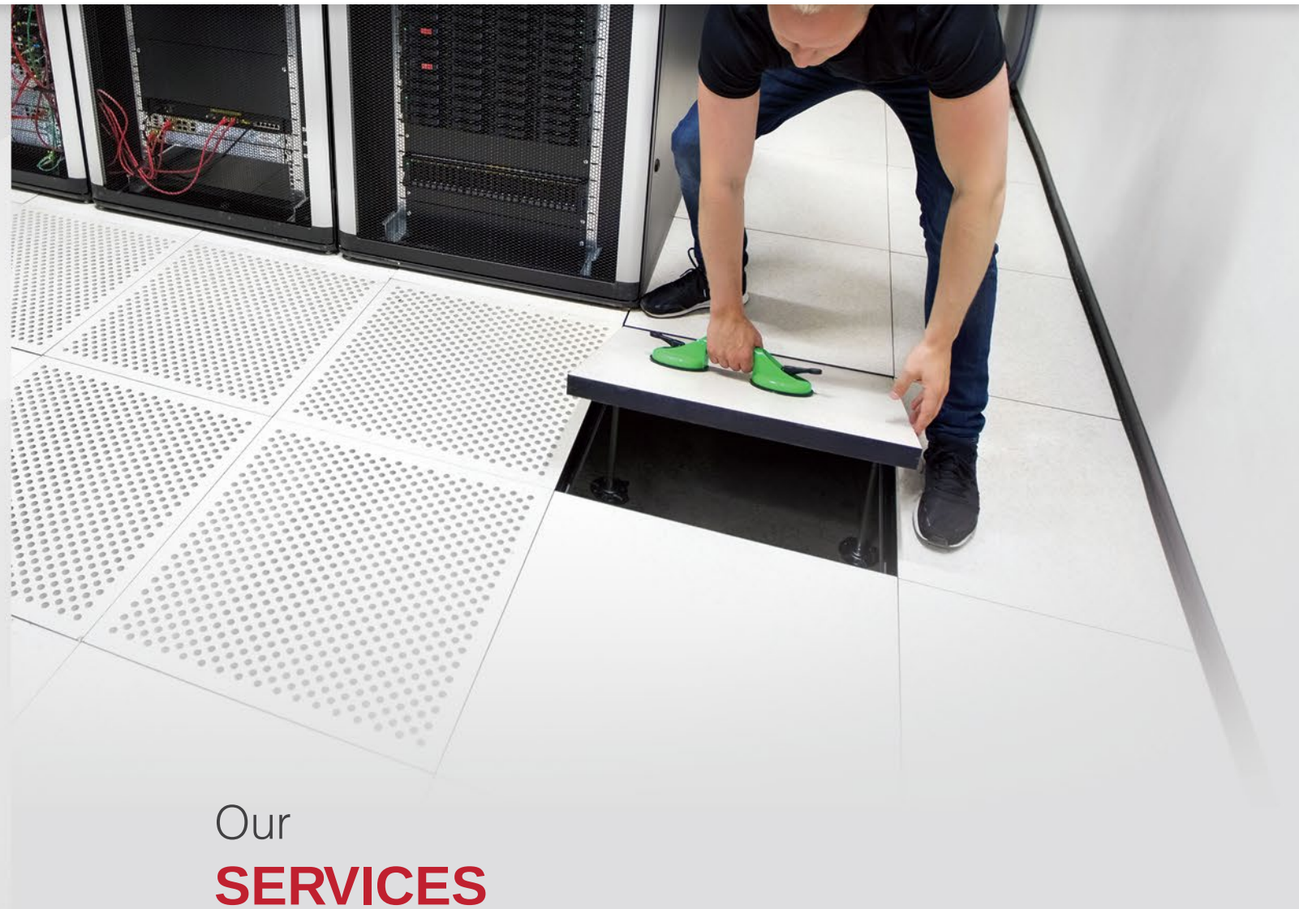
POWERFLOOR®

Solid Ground for Your Data

RAISED FLOOR SYSTEM

Since 2006

POWERFLOOR ENGINEERING SDN BHD

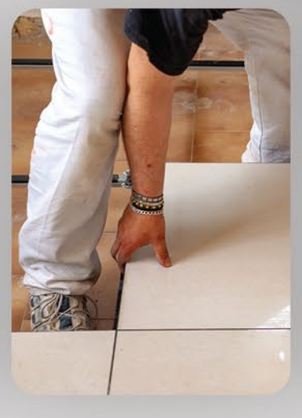
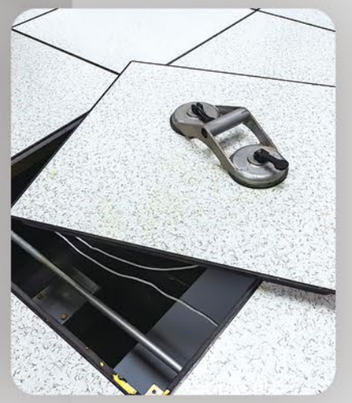


Powerfloor Engineering Sdn Bhd stands at the forefront of Malaysia's raised floor industry, offering comprehensive and innovative solutions to meet the evolving demands of modern construction. Established in 2006, we specialize in raised floor systems, serving a wide array of industries with precision and dedication.

Our company is built on a foundation of quality, safety, and professionalism. By leveraging the latest technology and materials, we ensure every project meets rigorous industry standards while delivering unparalleled value to our clients. Whether it's a large-scale commercial development or a niche construction project, Powerfloor Engineering Sdn Bhd is committed to providing solutions that combine functionality, durability, and aesthetic appeal.

CIDB MALAYSIA

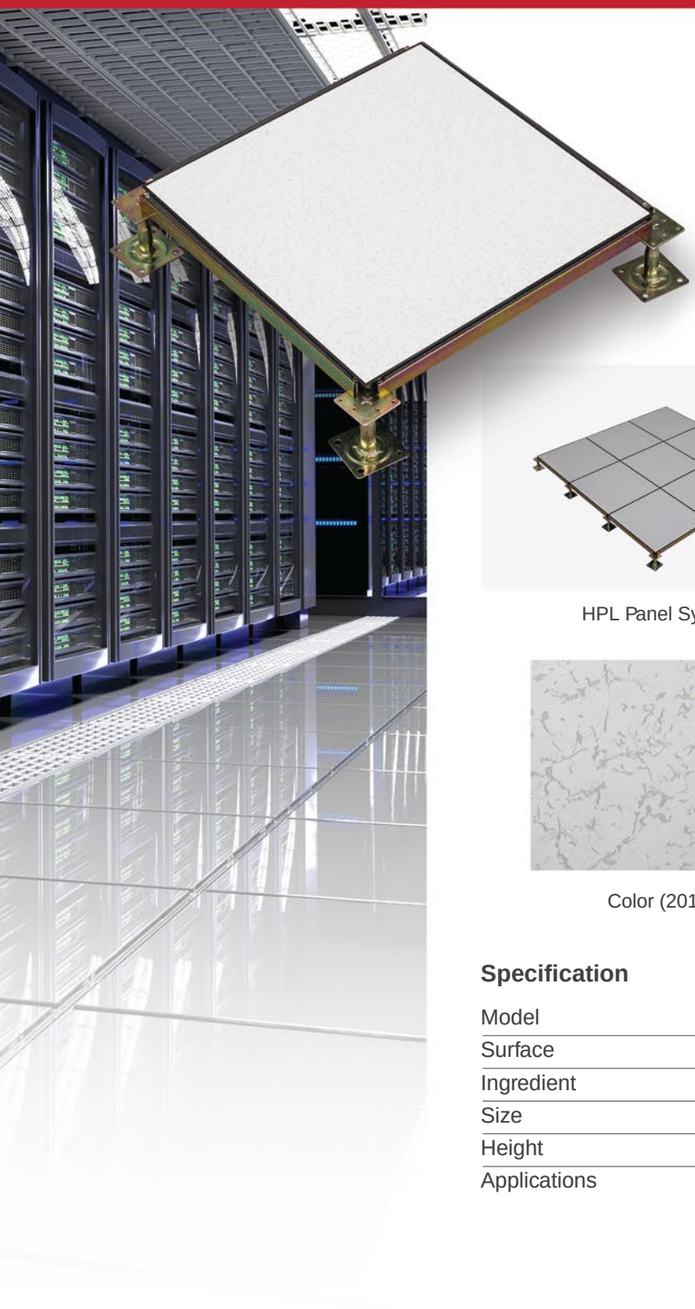
SIRIM QAS INTERNATIONAL

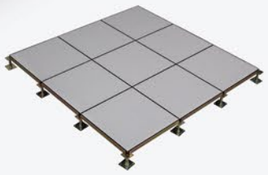
Our SERVICES

1. **Consultation and Design**
   - Expert guidance in selecting the most suitable flooring solutions based on project needs and specifications.
   - Custom design services to ensure seamless integration with your space and infrastructure.
2. **Supply and Installation**
   - End-to-end services for supplying and professionally installing flooring systems with precision and efficiency.
   - Focus on adhering to timelines and maintaining exceptional quality standards.
3. **Maintenance and Repairs**
   - Comprehensive maintenance packages to prolong the lifespan of flooring systems.
   - Prompt repair services to address any issues and minimize downtime.
4. **Project Management**
   - Dedicated project management to oversee every stage of the flooring installation, ensuring smooth execution and client satisfaction.

HPL PANEL



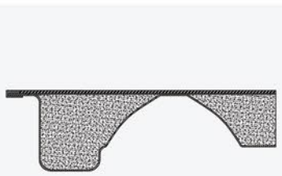
The **POWERFLOOR HPL panel** is a precision-engineered, epoxy-coated unitized hollow shell designed for exceptional performance. It features a flat steel top sheet seamlessly welded to a formed steel bottom sheet, which is filled with a meticulously controlled lightweight cement mixture. The panel's surface is finished with an anti-static High Pressure Laminated (HPL) sheet, providing superior functionality and aesthetic appeal.



HPL Panel System

Corner Cut Piece (Bottom Part)

Color (2010)

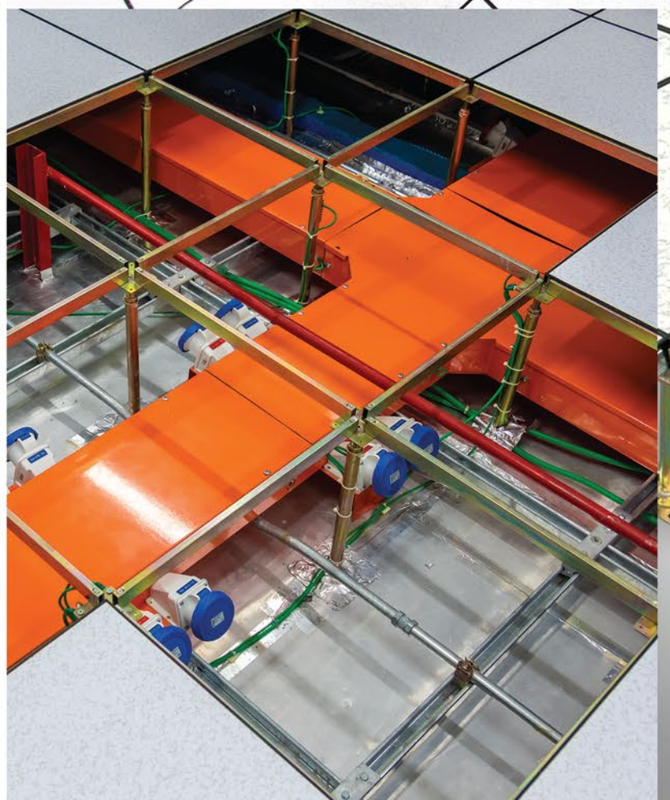


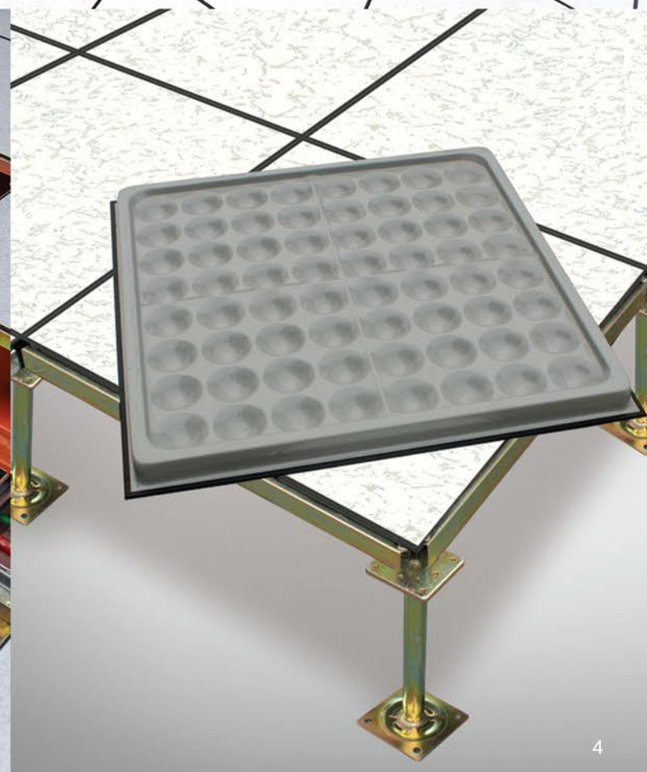
Corner Cut Piece (Section)

Specification

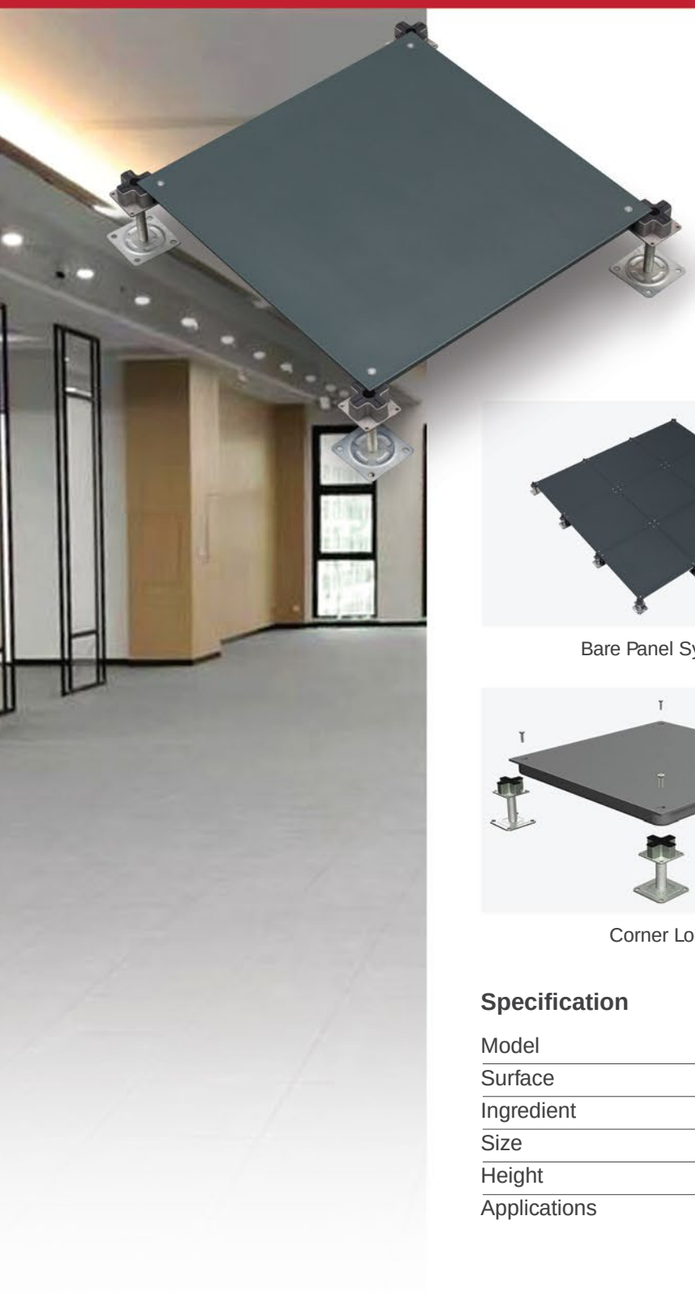
Model	PH-800, PH-1000, PH-1250, PH-1500
Surface	Anti Static High Pressure Laminate Tile
Ingredient	Cement
Size	600mm × 600mm × 35mm
Height	100mm – 1500mm
Applications	• Class Room • Server Room • Equipment Room • TNB Station • Water Treatment Plant • Call Center • Data Center • Control Room

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load (Safety Factor min 2x)
	lbs/in²	KN/m²	10 passes	10000 passes	N	N
PH-800	800	12	2670	1966	667	7100
PH-1000	1000	13	3550	2670	667	8900
PH-1250	1250	14	4450	3550	667	11120
PH-1500	1500	16	5560	4550	667	13320



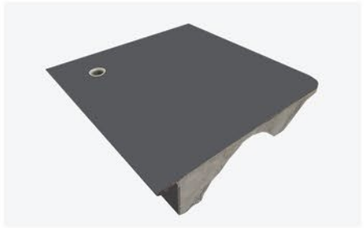


BARE PANEL



The **POWERFLOOR bare panel** is a high-quality, epoxy-coated unitized hollow shell designed for superior performance and durability. It consists of a flat steel top sheet welded to a formed steel bottom sheet, filled with a carefully controlled lightweight cement mixture. With its bare finish on the top surface, the panel is highly versatile and can be covered with options such as carpet, timber, tiles, SPC, etc, offering enhanced functionality and aesthetic flexibility for various applications.

Bare Panel System



Corner Cut Piece (Top Part)

Corner Lock

Full Panel (Bottom Part)

Specification

Model	PB-800, PB-1000, PB-1250, PB-1500
Surface	Mild Steel c/w Epoxy Powder Coating
Ingredient	Cement
Size	600mm × 600mm × 35mm
Height	100mm – 1500mm
Applications	• General Office • Class Room • Exhibition Area • Stage • Call Center • Control Room

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load (Safety Factor min 2x)
	lbs/in²	KN/m²	10 passes	10000 passes	N	N
PB-800	800	12	2670	1966	667	7100
PB-1000	1000	13	3550	2670	667	8900
PB-1250	1250	14	4450	3550	667	11120
PB-1500	1500	16	5560	4550	667	13320

WOODCORE / CALCIUM SULPHATE PANEL

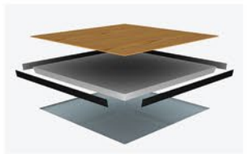
The **POWERFLOOR Woodcore Panel** is expertly constructed with a high-density, moisture-resistant structural-grade chipboard core, encased in steel sheets on both the top and bottom surfaces. The panel is finished with a durable PVC edge trim for added protection and longevity. The top steel surface is laminated with an anti-static High Pressure Laminated (HPL) or vinyl, providing an attractive and functional finishing layer.

The **POWERFLOOR Calcium Sulphate Panel** is a type of access flooring made with high-density calcium sulphate core panels. It is widely used in commercial buildings, data centers, and industrial environments due to its high load-bearing capacity and environmental friendliness.

The calcium sulphate panel has a similar structure to a woodcore panel but differs in thickness and composition. Instead of a wood core, it features a reinforced calcium sulphate core, providing superior strength and moisture resistance. This makes it an ideal choice for high-traffic areas and facilities requiring strict safety and durability standards.

Woodcore/Calcium Sulphate System

Corner Cut Piece



Full Panel Perspective View

Specification

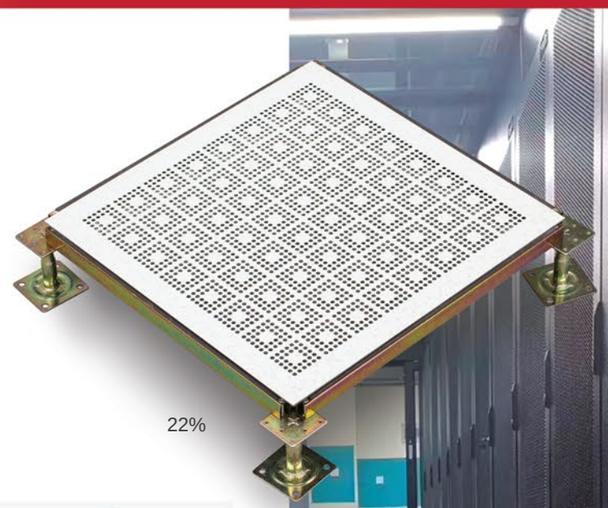
Model	PW-660, PW-800, PW-1000, CS1000, CS1250, CS1500
Surface	Anti Static High Pressure Laminate Tile (HPL) / Conductive Vinyl
Ingredient	High Density Chipboard / Calcium Sulphate
Size	600mm × 600mm × 32mm
	600mm × 600mm × 40mm
Height	100mm – 1500mm

Model (Woodcore)	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load (Safety Factor min 2x)
	lbs/in²	KN/m²	10 passes	10000 passes	N	N
PW-660	660	10	1966	1262	667	5900
PW-800	800	12	2760	1966	667	7100
PW-1000	1000	13	3550	2670	667	8900

Model (Calcium Sulphate)	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load (Safety Factor min 2x)
	lbs/in²	KN/m²	10 passes	10000 passes	N	N
CS1000	1000	23	3550	2670	667	8900
CS1250	1250	28	4450	3550	667	11120
CS1500	1500	33	5560	4450	667	13320

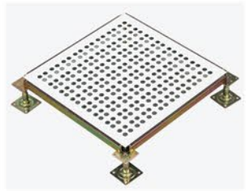
PERFORATED PANEL

The **POWERFLOOR perforated panels** are designed to provide excellent cooling for managing heat loads in mission-critical facilities. These perforated steel panels are fully compatible with all steel panels in a bolted stringer system, ensuring seamless integration. The panels allow for unrestricted airflow, and can be equipped with or without a damper to regulate air circulation effectively.

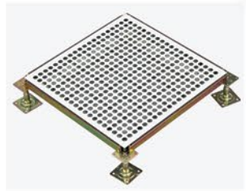


22%

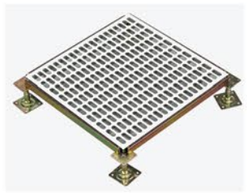
20%



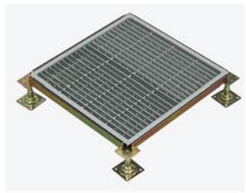
30%



45%



55%



75%

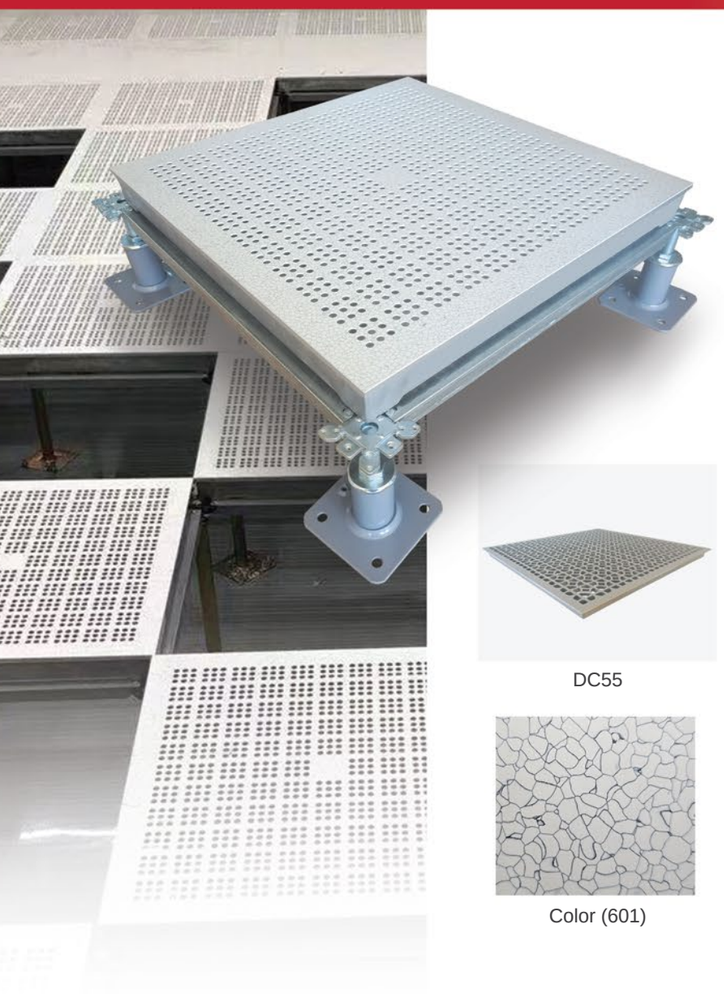
Damper

Specification

Surface	Anti Static High Pressure Laminate Tile (HPL) / Conductive Vinyl
Ingredient	Mild Steel c/w Powder Coating
Size	600mm × 600mm × 35mm
	600mm × 600mm × 50mm
Height	100mm – 1500mm

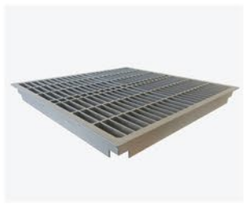
Air Flow Rate	Concentrated Load	Rolling Load (N)		Impact Load	Ultimate Load (Safety Factor min 2x)
%	lbs/in²	10 passes	10000 passes	N	N
20	660	1960	1262	667	5900
22	370	1110	887	252	3334
30	660	1960	1262	667	5900
45	1000	3550	2670	667	8900
55	1000	3550	2670	667	8900
75	1500	5560	4550	667	13320

ALUMINUM PANEL



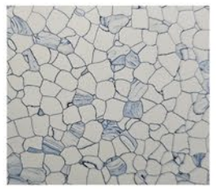
The **POWERFLOOR aluminum panels** offer exceptional strength, durability, and performance, making them ideal for a wide range of applications, including clean rooms, laboratories, and other high-precision environments. Crafted from lightweight yet robust aluminum, these panels provide excellent load-bearing capacity and corrosion resistance.

DC55


DC68

Solid

Color (601)


Color (611)

Color (606)

Specification

Model	PA1250, PA1500, DC55, DC68
Surface	Conductive Vinyl
Ingredient	Aluminium
Size	600mm × 600mm × 45mm 600mm × 600mm × 55mm
Height	150mm – 1500mm

Model	Concentrated Load	Uniform Load	Rolling Load (N)		Impact Load	Ultimate Load (Safety Factor min 2x)
	lbs/in²	KN/m²	10 passes	10000 passes	N	N
PA1250	1250	33	4450	3560	667	14750
PA1500	1500	43	5560	4450	667	24690
DC55	1250	33	4450	3560	667	14750
DC68	1500	43	5560	4450	667	24690

ACCESSORIES

Pedestal (Zinc Plated / Powder Coated)

Stringer (Zinc Plated / Powder Coated)

Bracing & Hoop (Zinc Plated / Powder Coated)

Floor Box

Grommet

Panel Lifter