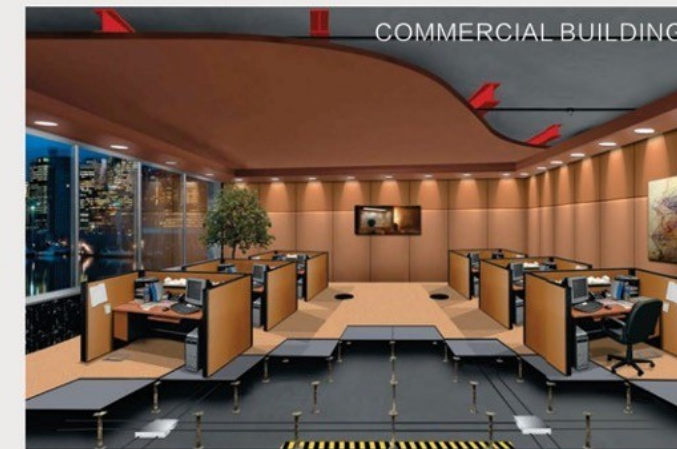




Professional and Innovative
Access Floor Manufacturer



CHANGZHOU DAWN BUILDING MATERIALS CO.,LTD

Website: www.dawnfloors.com
E-mail: info@dawnfloors.com

CHANGZHOU DAWN BUILDING MATERIALS CO.,LTD

HONORS AND QUALIFICATIONS



Dawn as a raised access flooring manufacturer is designed to meet international standards and is ISO9001 certified, demonstrating their commitment to qualitymanagement practices. With years of experience in the industry, Dawn has developed a reputation for providing innovative and reliable solutions to meet the needs of their customers.

Dawn products are available in a wide range of materials, including steel,aluminum,calcium sulfate and wood, and can be customized to fit the specific requirements of each project. Whether it's for a data center, office building or other commercial space, Dawn's raised flooring systems are designed to provide superior performance and long-lasting durability.

Dawn is a trusted and reputable manufacturer of raised flooring systems, with a commitment to quality,innovation, and customer satisfaction.



MANUFACTURING FACILITY

Calcium Sulphate Panel Production Line



Die-cast Aluminum Panel Production Line



Steel Cementitious Panel Production Line



CONTENTS

DATA CENTER RAISED FLOOR SYSTEM

- 07 / Steel Panel With HPL Finish
- 13 / Steel Panel With PVC Finish
- 15 / Steel Panel with Anti-Static Porcelain Finish
- 17 / Anti-Static Calcium Sulphate Panel
- 21 / Anti-Static Woodcore Panel
- 23 / Anti-Static Die-Cast Aluminum Panel
- 25 / Aluminum Perforated Panel
- 27 / Aluminum Viewing Panel

AIRFLOW PANELS

- 31 / Steel Perforated Panels/Grating Panels
- 34 / EC Fan for Airflow Controls
- 35 / Aluminum Air Grille (for use with a bolted stringer steel panel or calcium sulphate panel floor system)
- 37 / Transparent Glass Floor

COMMERCIAL BUILDING RAISED FLOOR SYSTEM

- 39 / Steel Cement Bare Panel
- 43 / OA500 Bare Panel with Trunking (for LFFH)
- 44 / Calcium Sulphate Bare Panel
- 47 / Cement-Fiber Panel
- 48 / Woodcore Bare Panel

RAISED FLOOR WITH ARCHITECTURAL FINISHES

- 49 / Steel Panel With Architectural Finishes
- 56 / Calcium Sulphate with Architectural Finishes

FLOOR FINISHES AND ACCESSORIES

- 64 / Floor Finish
- 65 / Architectural Finish
- 67 / Floor Box
- 67 / Grommet
- 68 / Bandsaw

- 69 / JOB REFERENCES

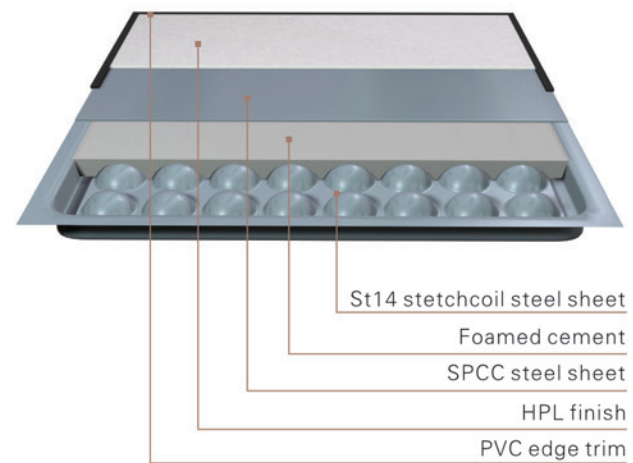


STEEL PANEL WITH HPL FINISH

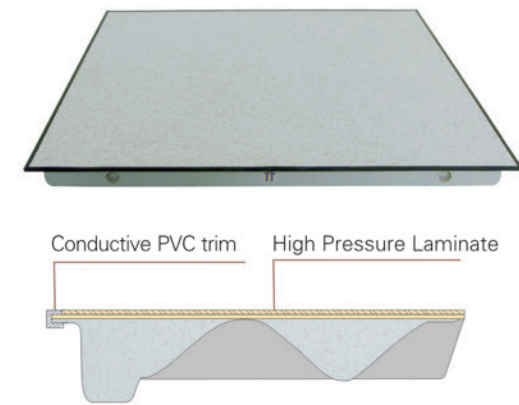
Introduction

The panel is made of high quality deep stretch coil steel sheet and SPCC steel sheet, which is punched, spot-welded, coated with epoxy powder after has been phosphorated. The panel is filled with foamed cement inside. After being kept for a period of time, it forms a stable support structure. The top sheet is stuck with anti-wear and antistatic HPL. And the panel is installed with stringer and pedestal.

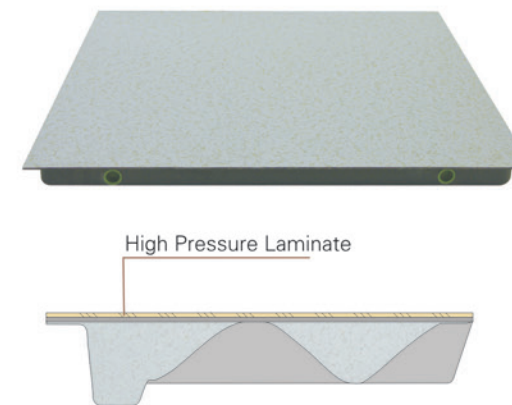
Size: 600*600*35mm



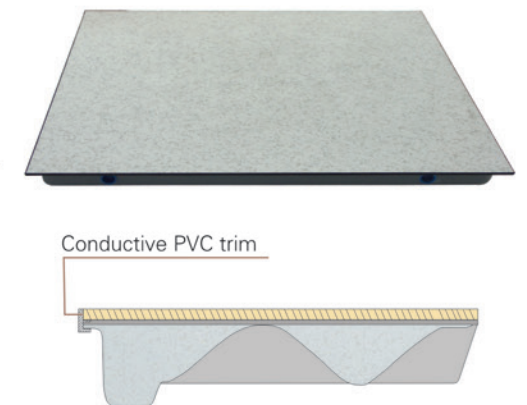
Steel Panel With HPL Finish



Type1:
Steel HPL panel with conductive PVC edge trim.



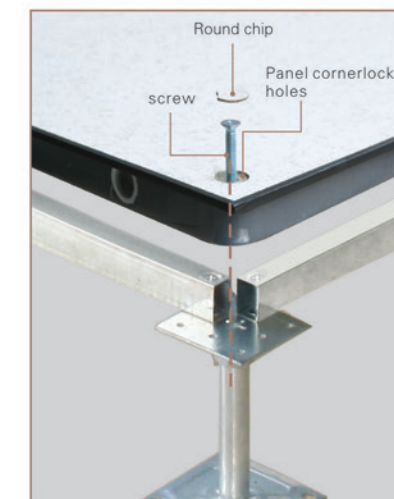
Type 2:
Panel with monolithic edge trim will provide a finish with no joints. This is recommend in high demanding data centers.



Type 3:
“F” edge trim is inserted in between the steel panel and the surface finish. The inserted “F” edge trim is very firm and stable. HPL panel with “F” edge trim creates perfect installation effect with tiny seam, which can applied in high-grade computer room.



Type 4:
HPL panel with imprinted edge. Collecting both advantages of PVC trim and monolithic edge trim panel, it will be suitable for data center



Type 5:
Cornerlock laminate panel is designed for seismic requirement. The system is more rigid because the panel is not only supported by stringer but also lock down to the pedestals. A tailor made round chip of the floor finish material will cover the panel cornerlock holes beautifully.



Application

Protect your servers and data by using steel panel with anti-static HPL finish. It is suitable for a wide range of application from typical data/computer centers to telecommunication rooms, mission critical facilities, electronic assembly areas and other general purpose equipment rooms.

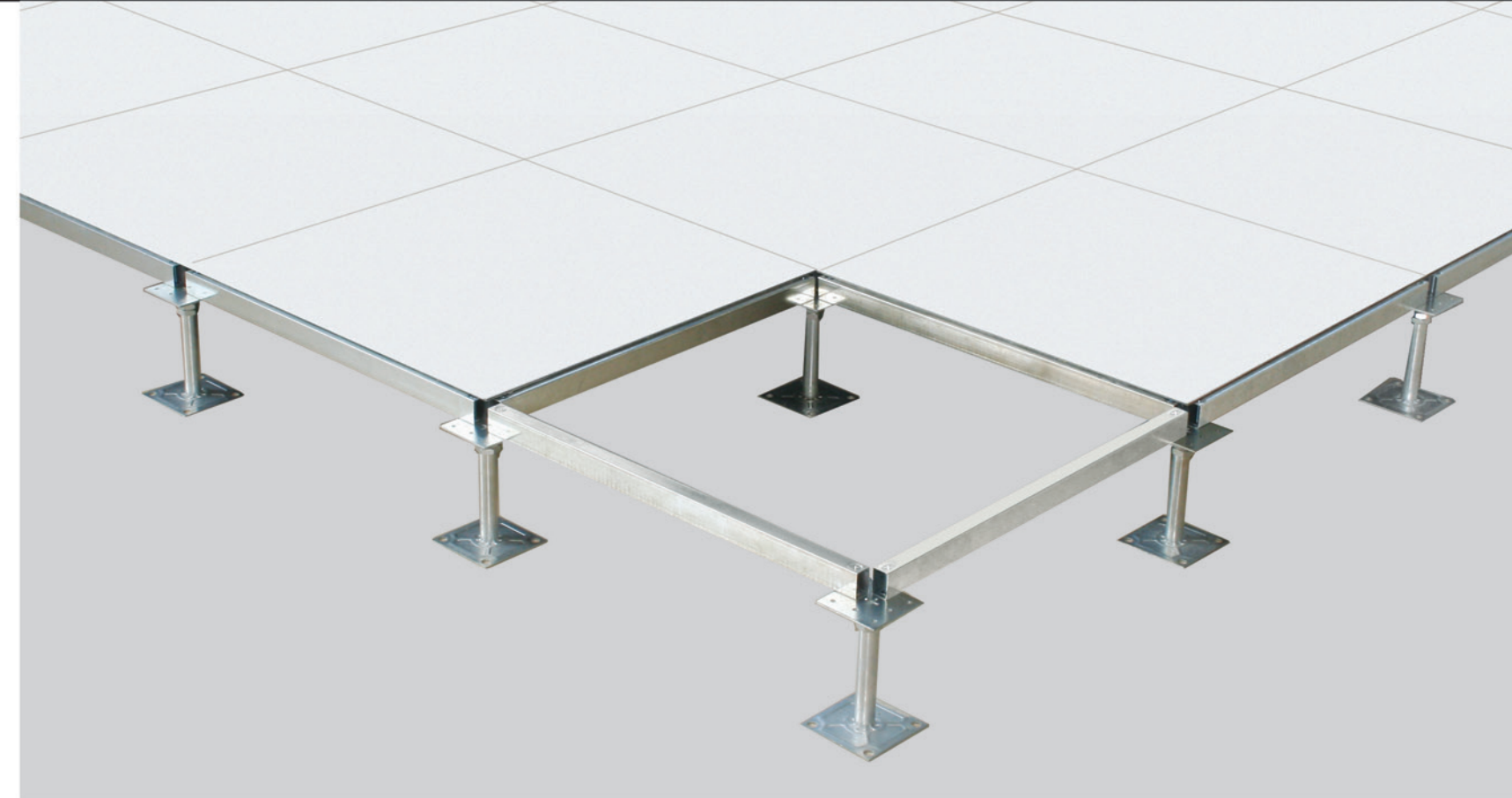
Features

- ◆ All steel components, high mechanical feature, high loading capacity, fire-proof
- ◆ Light weight for ease of floor.
- ◆ Surface with anti-static painting, soft light, anti-wear, anti-corrosion
- ◆ Dimensional accuracy allows free interchangeability

Specifications

With reference to National Standards and US CISCA test Standards

Type	Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	Fire protection performance	System resistance
		N	KG	N	N	N/M ²		
FS700	600x600x35	≥2950	≥300	≥2255	≥ 8850	≥12500	Non-combustible Material	Anti-static floor system resistance 10 ⁶ -10 ¹⁰ Ω
FS800	600x600x35	≥3550	≥363	≥2950	≥ 10650	≥16500		
FS1000	600x600x35	≥4450	≥454	≥3560	≥13350	≥23000		
FS1250	600x600x35	≥5560	≥567	≥4450	≥16680	≥33000		
FS1500	600x600x35	≥6665	≥680	≥5560	≥19995	≥39324		
FS2000	600x600x35	≥8908	≥909	≥7790	≥26724	≥52557		

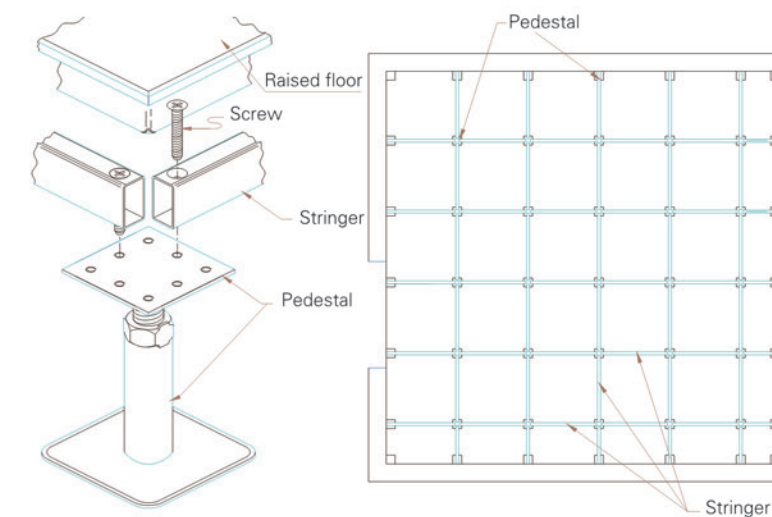


Installation

The main advantage of raised floor is the flexibility. The system can be installed to various finished floor height by diverse pedestal type. Raised floor can be adjusted to level by the pedestal even on a rough surface. And all the pedestal will be anti-corrosion coated.

The pedestal can either be glued or mechanical fixed to the subfloor.

Bolted stringer is recommended for anti-static steel raised floor. It shall benefit both the system stability and the loading performance.



panel installation structure

overall performance

STANDARD PEDESTAL



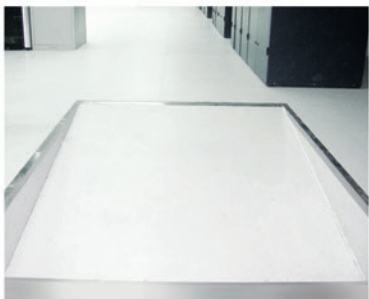
EXTRA HEAVY DUTY PEDESTAL ASSEMBLY



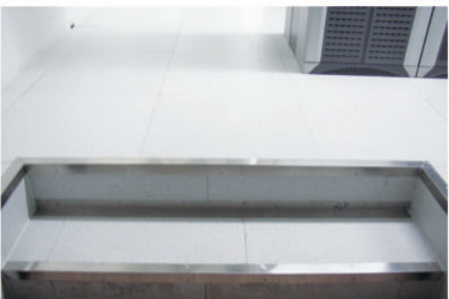
Extra Heavy Duty Pedestal Assembly (Base $\Phi 38\text{mm}$, $\Phi 45\text{mm}$, $\Phi 73\text{mm}$ round tube)



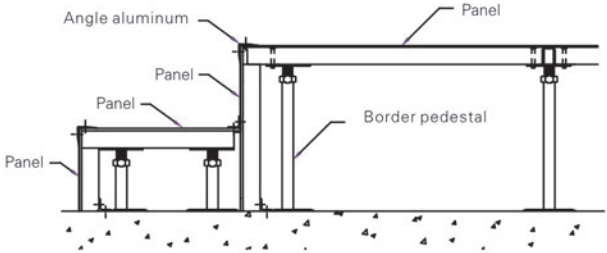
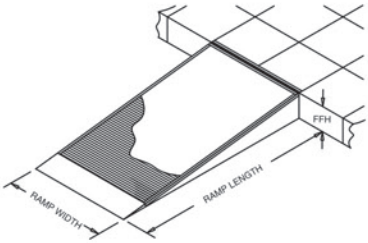
STEPS AND RAMPS



Ramps



Step





STEEL PANEL WITH PVC FINISH

Size: 600*600*35mm

Introduction

The steel panel is laminated with vinyl tile. Vinyl uses a process to ensure the static elements are distributed evenly through the entire tile thickness. This ensures a lifetime of consistent resistance performance regardless of wear. The panel is recommended in electronic manufacturing facilities, computer/server room installations, clean rooms, telecommunication rooms and health care laboratories.



1000 class clean room

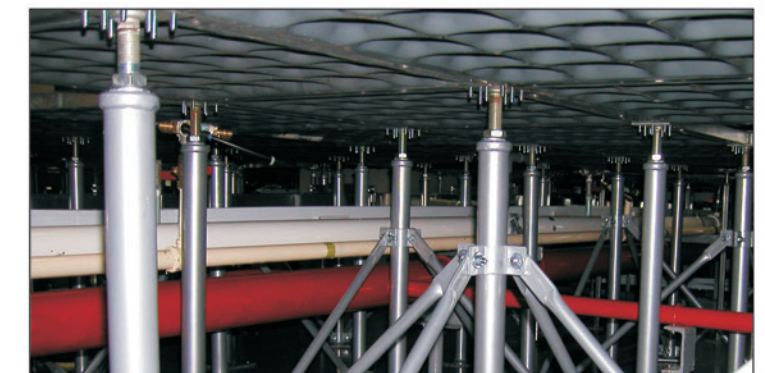


10K class clean room



Features

- ◆ System conductivity ensurance
- ◆ No dust
- ◆ Meets class A fire rating
- ◆ Durable
- ◆ Safe working load
- ◆ Extensive selection of vinyl color



Specifications

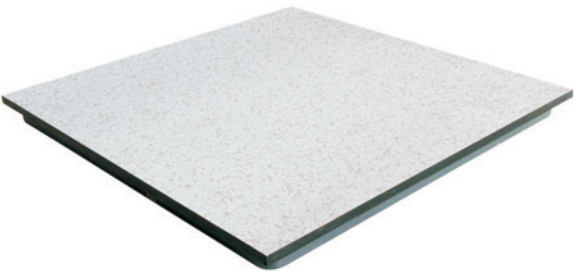
With reference to National Standards and US CISCA test Standards

Type	Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	Fire protection performance	System resistance
		N	KG	N	N	N/M ²		
FS700	600x600x35	≥2950	≥300	≥2255	≥8850	≥12500	Non-combustible Material	Anti-static floor system resistance Conductive: 10 ⁴ -10 ⁸ Ω Static dissipative: 10 ⁵ -10 ⁹ Ω
FS800	600x600x35	≥3550	≥363	≥2950	≥10650	≥16500		
FS1000	600x600x35	≥4450	≥454	≥3560	≥13350	≥23000		
FS1250	600x600x35	≥5560	≥567	≥4450	≥16680	≥33000		
FS1500	600x600x35	≥6665	≥680	≥5560	≥19995	≥39324		
FS2000	600x600x35	≥8908	≥909	≥7790	≥26724	≥52557		

STEEL PANEL WITH ANTI-STATIC PORCELAIN FINISH

Introduction

With a variety of aesthetics and colors to choose from, a laminated porcelain raised floor panels offers the combination of an unique appearance and flexibility of a raised floor. The factory laminated porcelain raised floor panels come with an edge banding that produces clean even lines. The combination of the steel panel and stringer system provides superior acoustics and strength.



Size: 602*602*40mm
602*602*45mm



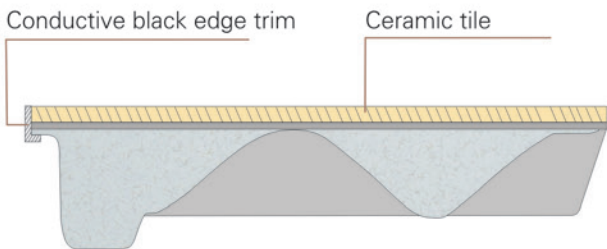
Features

- ◆ Permanet and stable anti-static property, system and surface resistance: $10^{6-9} \Omega$.
- ◆ Excellent heat resistance, anti-static property maintains the same at the temperature of 1000°C
- ◆ Abrasion resistance, corrosion resistance, acids resistance and noncombustible.
- ◆ Ceramtic tile is anti-aging.
- ◆ Non-toxic, nonradiative and environmental friendly.



Application

This panel is widely used in control rooms, converter rooms, electronics manufacturing factory, clean rooms and telecommunications rooms.



Specifications

With reference to National Standards and US CISCA test Standards

Type	Size (mm)	Concentrated Load		Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance	System resistance
		N	KG					
FS700	602x602x40 602x602x45	≥2950	≥300	≥2255	≥8850	≥12500	Non-combustible Material	Anti-static floor system resistance $10^6-10^{10} \Omega$



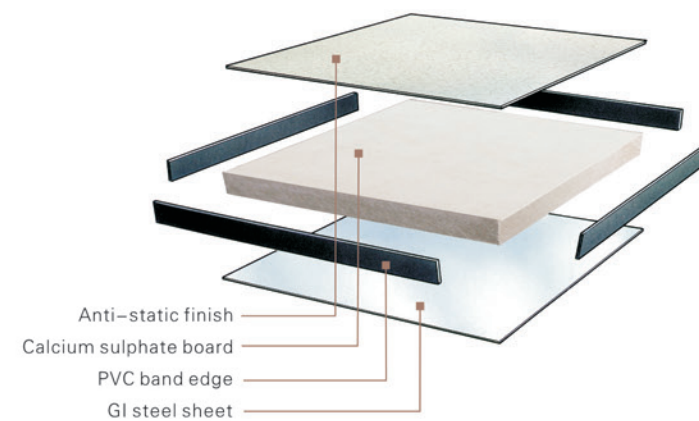
ANTI-STATIC CALCIUM SULPHATE PANEL

Size: 600*600*30mm
600*600*32mm

P-EC Structure-Four side with PVC band edge

Introduction

P-EC Anti-static calcium sulphate panel consists of high strength calcium sulphate board and laminate with static dissipative HPL or PVC vinyl tile. The panel bottom is galvanized steel sheet, and four sides with PVC band edge, which prevents damages.



Calcium sulphate panel is non-combustible and retard heat-transmission. It has become the first choice for buildings and places requiring high fireproof performance. The special high pressure production procedure enhance the panel core at high rigidity. The composition performs at high loading property.

Fire resistance thermal principle: Non-combustible is a safety factor to stop fire from burning through the access floor. However, it doesn't mean covering complete protection in terms of safety. The under-floor cavity provides space running pipes, cables, air-distribution, and etc. But in the meantime, it might become chamber of flame in case fire spreads underneath. The heat occurred at bottom of panel can be effectively retarded by the panel core.



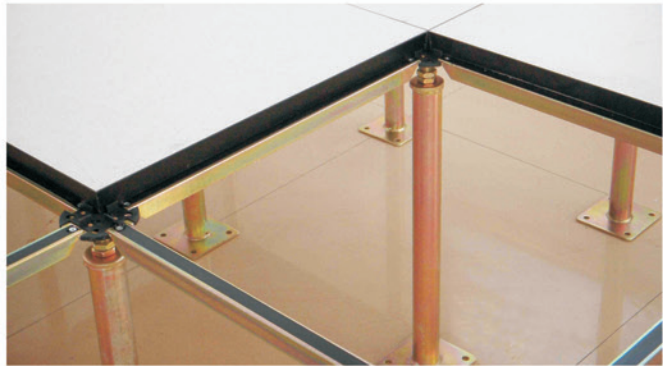
Features

- ◆ High strength to weight performance, good fire-proof
- ◆ Excellent anti-static performance
- ◆ Adjustable of finish floor height
- ◆ Big space under the floor for electrical and plumbing facilities
- ◆ Excellent sound and thermal insulation
- ◆ Environment protecting
- ◆ Convenient, high efficiency, flexible

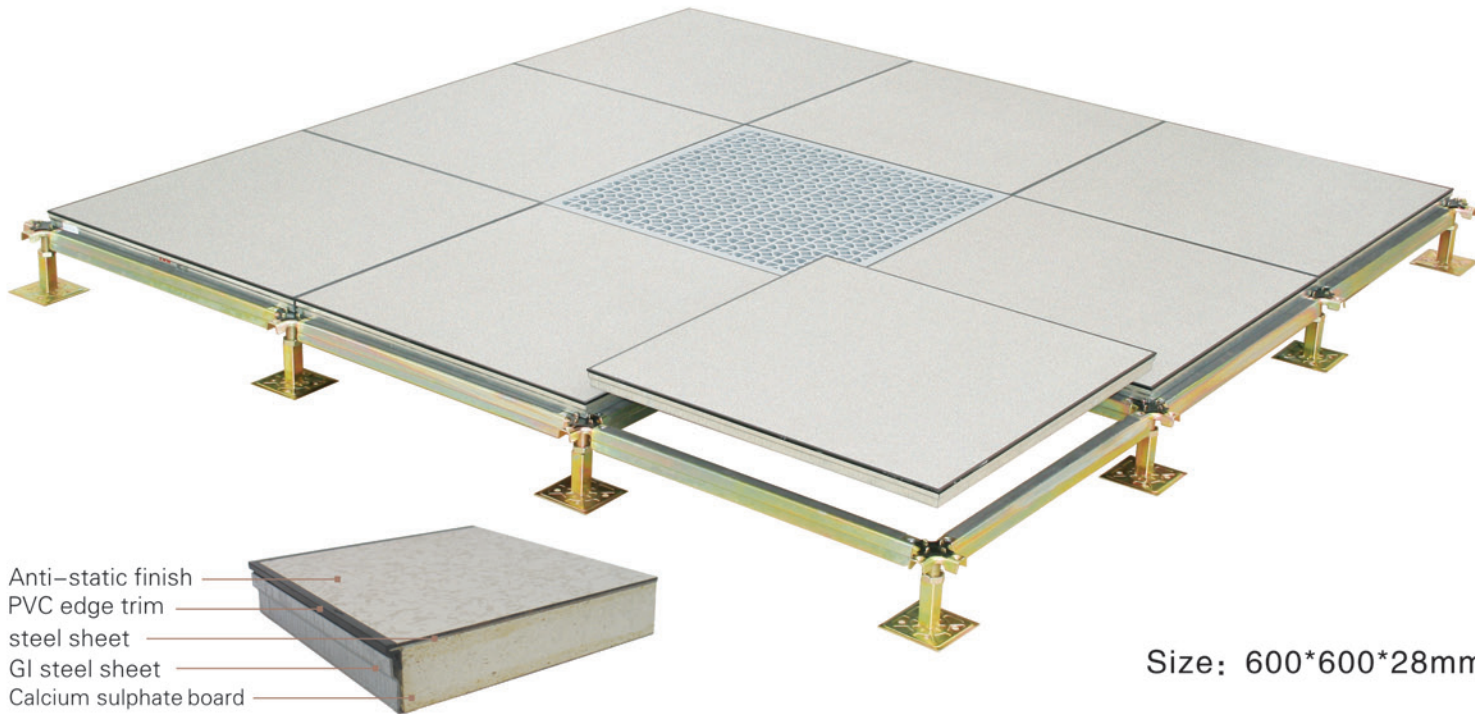


Installation

Understructure for P-EC anti-static calcium sulphate panel: bolted stringer is recommended for system stability. The panel corners are allocated to the fire-retardant gaskets, and the pedestal is either glued or mechanical fixed to the sub-floor.



B-EC Encapsulated Calcium Sulphate Panel



Application

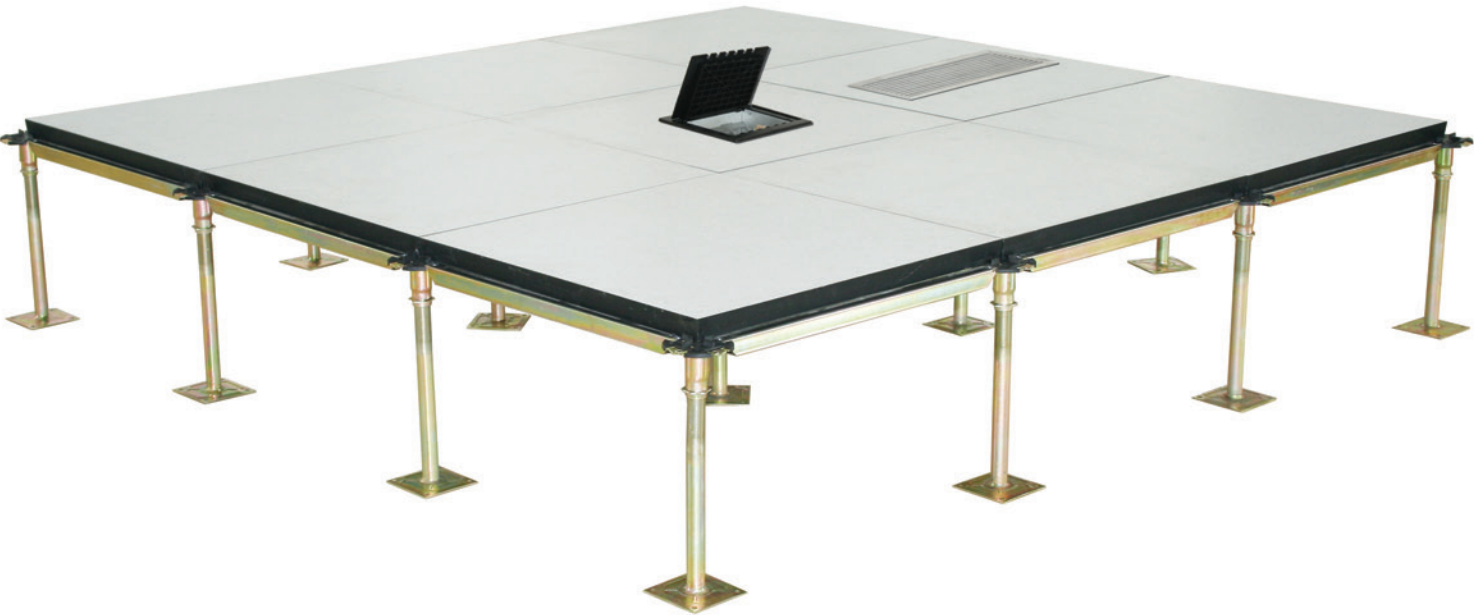
P-EC and B-EC calcium sulphate laminate panel floor system is generally used in telecommunication rooms, electronic manufacturing facilities, health care laboratories, computer/server rooms and clean room plants.

Specifications

With reference to National Standards and US CISCA test Standards

Type		Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	Fire protection performance	System resistance
			N	KG	N	N	N/M ²		
P-EC	P-EC1000	600x600x30	≥4450	≥454	≥3560	≥13350	≥23000	Non-combustible Material	Anti-static floor system resistance 10 ⁵ -10 ¹⁰ Ω
	P-EC1250	600x600x32	≥5560	≥567	≥4450	≥16680	≥33000		
B-EC	B-EC1000	600x600x28	≥4450	≥454	≥3560	≥13350	≥23000		

ANTI-STATIC WOODCORE PANEL

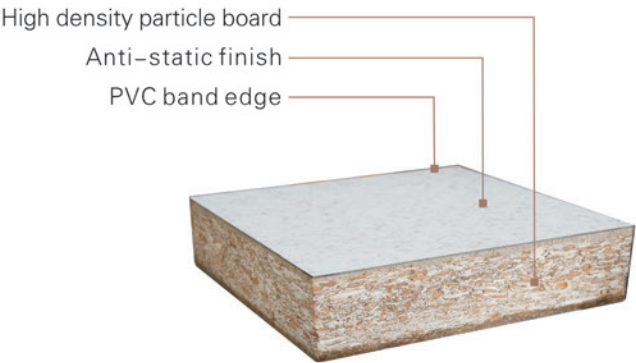


P-EW laminate panel with PVC band edge

Size: 600*600*30mm
600*600*40mm

Introduction

P-EW woodcore laminate panel consists of high density particle board. Steel sheet is bonded to the bottom of the chipboard. Panel is covered with HPL or PVC with 4 PVC band edges, which will prevent mechanical damage and damp deformation.



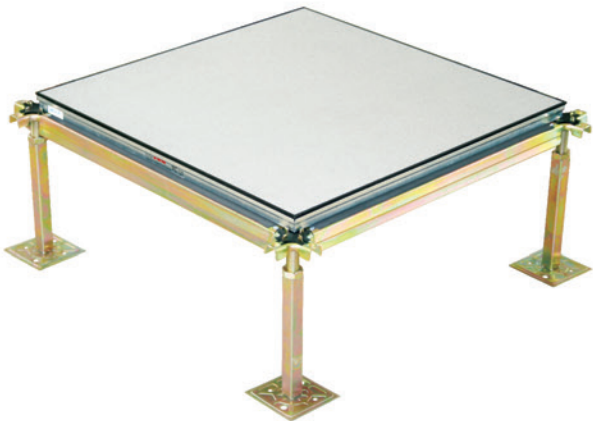
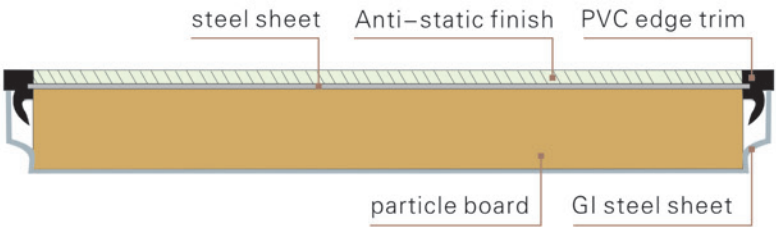
Features

- ◆ Quiet, comfortable and solid feel underfoot.
- ◆ Dimensional accuracy allows free interchangeability
- ◆ High strength to weight performance
- ◆ Good performance in humid climate
- ◆ Elaborated made and provide a finish with narrow and even joints

Application

P-EW and B-EW woodcore laminate panel floor system is generally used in telecommunication rooms, electronic manufacturing facilities, health care laboratories, computer/server rooms and clean room plants.

B-EW Woodcore Panel



Size: 600*600*28mm

Specifications

With reference to National Standards and US CISCA test Standards								
Type		Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	System resistance
			N	KG	N	N	N/M ²	
P-EW	P-EW800	600x600x30	≥3550	≥363	≥2950	≥10650	≥16500	
	P-EW1000	600x600x40	≥4450	≥454	≥3560	≥13350	≥23000	Static dissipative: 10 ⁶ -10 ¹⁰ Ω
B-EW	B-EW800	600x600x28	≥3550	≥363	≥2950	≥10650	≥16500	



ANTI-STATIC DIE-CAST ALUMINUM PANEL

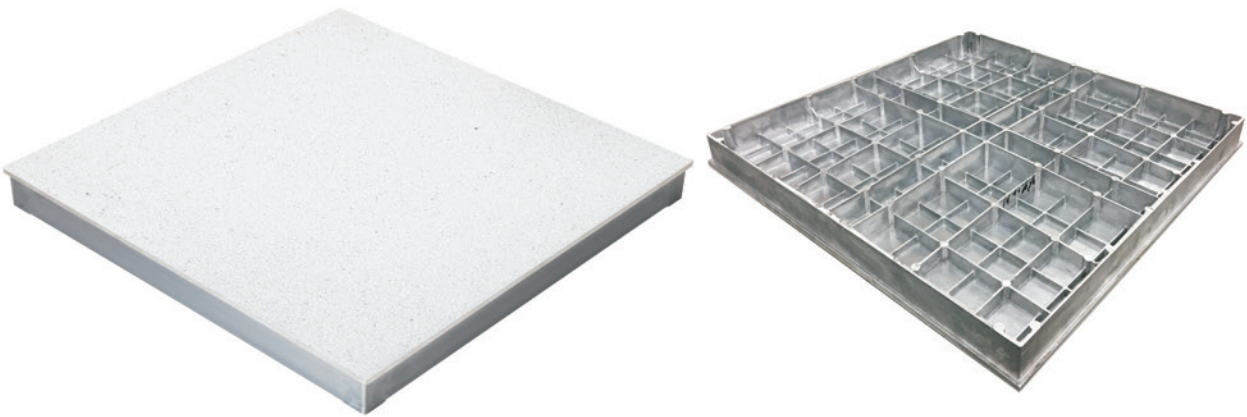
Introduction

Made of high strength and pure cast aluminum, and due to vacuum die casting process, the aluminum panel has superior mechanic strength and excellent performance of anti-corrosion. All aluminum panel can be coated with static epoxy powder and light gloss, that is good for anti-wear and anti-static.

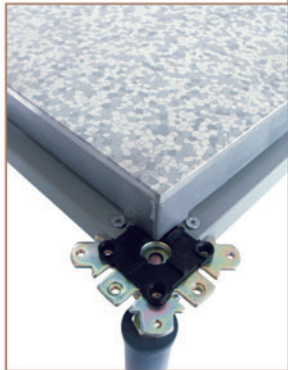
Features

- ◆ Patent design with high dimensional accuracy
- ◆ Light weight,and very high loading capacity
- ◆ Good performance of waterproof, excellent fire-proof, contains no ferrous material to disrupt magnetic fields
- ◆ Conductive gasket ensures continuous and steady conductivity
- ◆ Recyclable and economical system

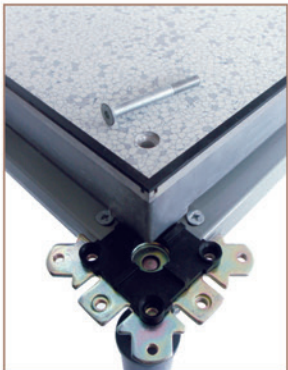
ALUMINUM SOLID PANELS



Size: 600*600*55mm



Panel without edge trim



Panel with corner-lock

Application

Aluminum panel is widely used in military command, space center, data center, ultra clean electronic factories and other high demand place.

Specifications

Item	Description	HLS300	HLS500	HLS700	HLS1000	HLS1200	HLS1500
1-1	Material of Floor Tile	HPL or PVC(vinyl tile)					
1-2	Floor Tile ESD Requirement	Conductive 10 ⁴ ~10 ⁶ Ω and Static Dissipative 10 ⁶ ~10 ⁹ Ω					
2-1	Material of panel	Die-cast Aluminum					
2-2	Concentrated Load	300kgf/6.45cm ² Deflection ≤2.0mm	500kgf/6.45cm ² Deflection ≤2.0mm	700kgf/6.45cm ² Deflection≤2.0mm	1000kgf/6.45cm ² Deflection≤2.0mm	1200kgf/6.45cm ² Deflection≤2.0mm	1500kgf/6.45cm ² Deflection ≤2.0mm
2-3	Ultimated Load	600kgf/6.45cm ²	1,000kgf/6.45cm ²	1,400kgf/6.45cm ²	2,000kgf/6.45cm ²	2,400kgf/6.45cm ²	3,000kgf/6.45cm ²
2-4	Uniform Load	800kgf/m ² Deflection≤1.0mm	1,250kgf/m ² Deflection≤1.0mm	1,700kgf/m ² Deflection≤1.0mm	2,000kgf/m ² Deflection≤1.0mm	2,200kgf/m ² Deflection≤1.0mm	2,500kgf/m ² Deflection ≤1.0mm
2-5	Tolerance of Dimension	600+0.00mm/600-0.20mm					
2-6	Tolerance of Thickness	± 0.10mm					
2-7	Tolerance of Flatness	± 0.20mm					
2-8	Tolerance of Diagonal	Max. 0.40mm					
3-1	Special treatment	Epoxy coating or Ni-Cr plating					

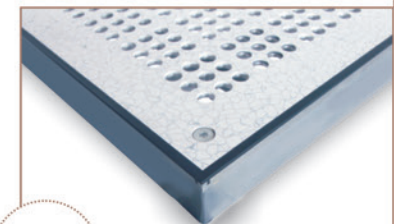
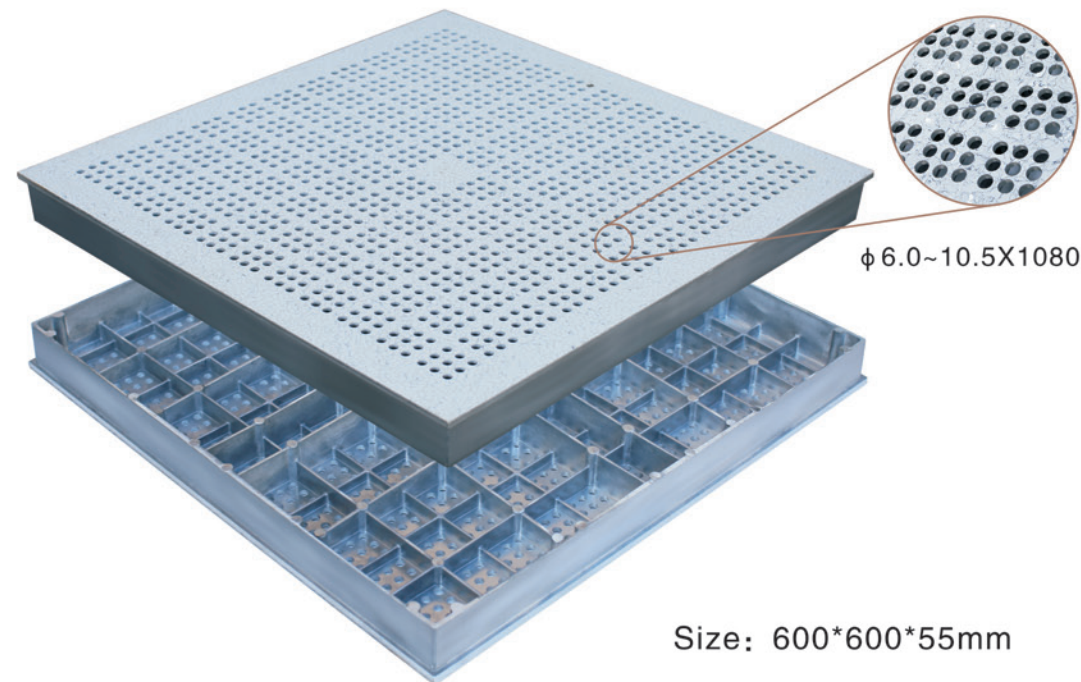


ALUMINUM PERFORATED PANEL

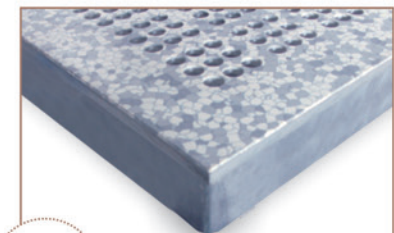
Introduction

Dawn aluminum perforated panel air flow rate ranges from 10% to 25% (standard offering is 17% and 28%), various types of dampers are available to assemble with the perforated panel for air control purpose. It is interchangeable with all grades die-cast aluminum solid panels.

ALUMINUM PERFORATED PANEL



Panel with corner-lock

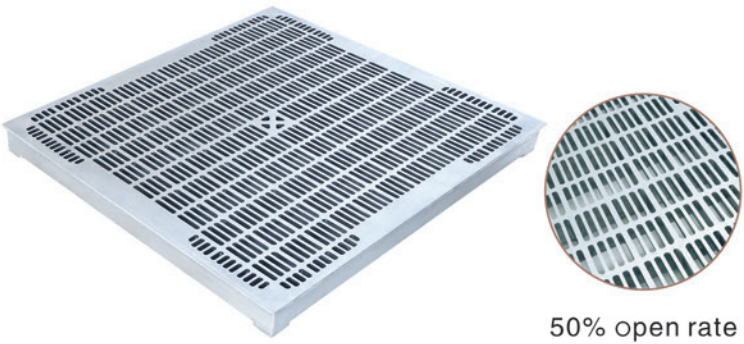


Panel without edge trim

Specifications

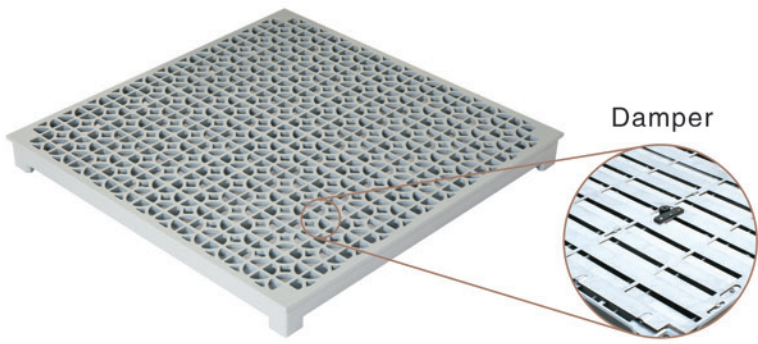
Item	Description	HLP300	HLP500	HLP700	HLP1000	HLP1200	HLP1500
1-1	Material of Floor Tile	HPL or PVC(vinyl tile)					
1-2	Floor Tile ESD Requirement	Conductive 10 ⁴ ~10 ⁶ Ω and Static Dissipative 10 ⁶ ~10 ⁹ Ω					
2-1	Material of panel	Die-cast Aluminum					
2-2	Concentrated Load	300kgf/6.45cm ² Deflection ≤2.0mm	500kgf/6.45cm ² Deflection ≤2.0mm	700kgf/6.45cm ² Deflection ≤2.0mm	1000kgf/6.45cm ² Deflection ≤2.0mm	1200kgf/6.45cm ² Deflection ≤2.0mm	1500kgf/6.45cm ² Deflection ≤2.0mm
2-3	Ultimated Load	600kgf/6.45cm ²	1,000kgf/6.45cm ²	1,400kgf/6.45cm ²	2,000kgf/6.45cm ²	2,400kgf/6.45cm ²	3,000kgf/6.45cm ²
2-4	Uniform Load	800kgf/m ² Deflection ≤1.0mm	1,250kgf/m ² Deflection ≤1.0mm	1,700kgf/m ² Deflection ≤1.0mm	2,000kgf/m ² Deflection ≤1.0mm	2,200kgf/m ² Deflection ≤1.0mm	2,500kgf/m ² Deflection ≤1.0mm
2-5	Tolerance of Dimension	600+0.00mm/600-0.20mm					
2-6	Tolerance of Thickness	± 0.10mm					
2-7	Tolerance of Flatness	± 0.20mm					
2-8	Tolerance of Diagonal	Max. 0.40mm					
3-1	Opening Rate	10%~25%(φ 6.0~10.5 × 1080孔) 标准: 17%、25%					
3-2	Sliding damper	0~25%					
3-3	Special treatment	Epoxy coating or Ni-Cr plating					

Aluminum Grating Panel



Aluminum grating panel with 50% open area is widely used in clean rooms such as hospital laboratories and semiconductor manufacturing plants.

Aluminum Air Grille
(for use with aluminum panel floor system)



Aluminum air grille panel for use with all aluminum panel floor system. It has a free open area of 55% for those applications requiring the highest cooling conditions.

Specifications

Product specification: 600*600*50/55mm

Item	Description	HLG500	HLG700	HLG1000	HLY300
1-1	Material of Floor Tile	/			/
1-2	Floor Tile ESD Requirement	Conductive 10 ⁴ ~10 ⁶ Ω			Conductive10 ⁴ ~10 ⁶ Ω
2-1	Material of panel	Die-cast Aluminum			Die-cast Aluminum
2-2	Concentrated Load	500kgf/6.45cm ² Deflection ≤2.0mm	700kgf/6.45cm ² Deflection ≤2.0mm	1000kgf/6.45cm ² Deflection≤2.0mm	300kgf/6.45cm ² Deflection ≤2.0mm
2-3	Ultimated Load	1,000kgf/6.45cm ²	1,400kgf/6.45cm ²	2,000kgf/6.45cm ²	600kgf/6.45cm ²
2-4	Uniform Load	1,000kgf/m ² Deflection≤1.0mm	1,500kgf/m ² Deflection≤1.0mm	2,000kgf/m ² Deflection≤1.0mm	750kgf/m ² Deflection≤1.0mm
2-5	Tolerance of Dimension	600+0.00mm/600-0.20mm			600+0.00mm/600-0.20mm
2-6	Tolerance of Thickness	± 0.10mm			± 0.10mm
2-7	Tolerance of Flatness	± 0.20mm			± 0.20mm
2-8	Tolerance of Diagonal	Max. 0.40mm			Max. 0.40mm
3-1	Opening Rate	50%			56%
3-2	Sliding damper	0-50%			0-56%
3-3	Special treatment	Epoxy coating or Ni-Cr plating			Epoxy coating or Ni-Cr plating



ALUMINUM VIEWING PANEL

Introduction

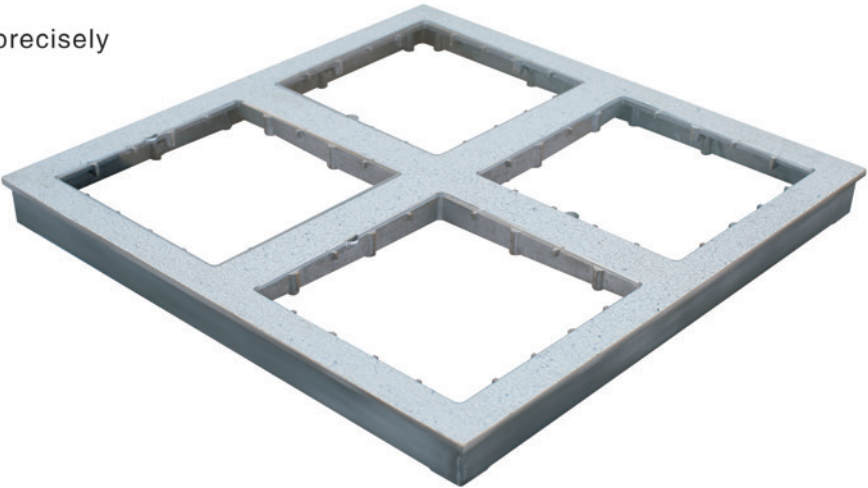
Die-cast aluminum laminate panel with four precisely machined square viewing areas.

Features

- ◆ Innovative design
- ◆ Light weight and very high loading capacity
- ◆ High quality transparent acrylic

Application

It is recommended where underfloor instrument observation is required.



ALUMINUM RAISED FLOOR SYSTEM FOR CLEAN ROOM



Clean room installer and material cleanliness requirement

Due to strict clean room cleanliness requirement, all the aluminum panels must be cleaned by air compressor before packaging, in order to avoid the equipment failure due to dust. At the same time, the installers must wear special uniform, shoes, cap and gloves. The panel cutting has to be taken place outside of the clean room to ensure dust free environment.



Pedestal



Standard installation

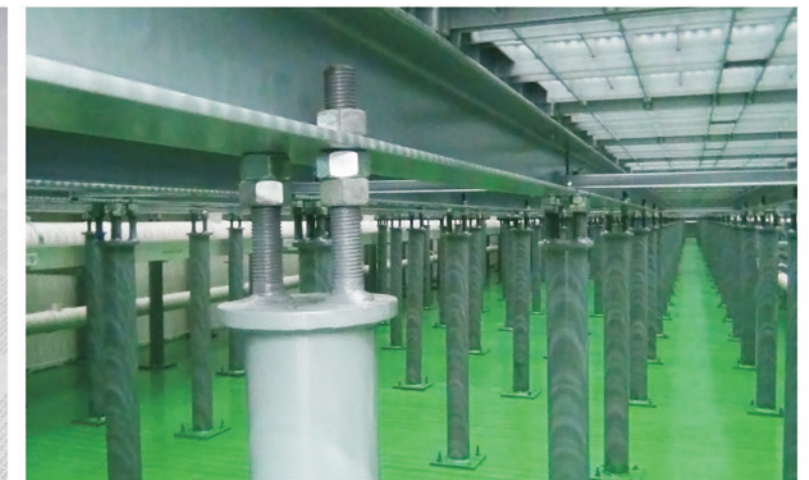
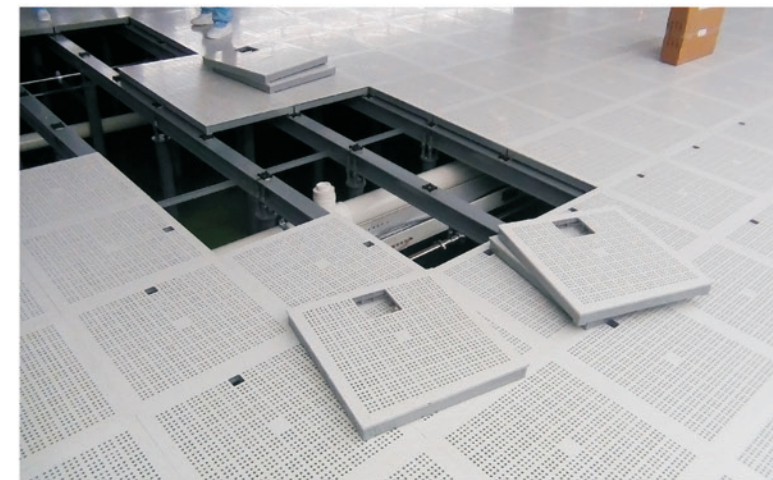
Square structure (span 1200x1200mm)



Heavy duty H-profiled bar



H-profiled bar installation effect



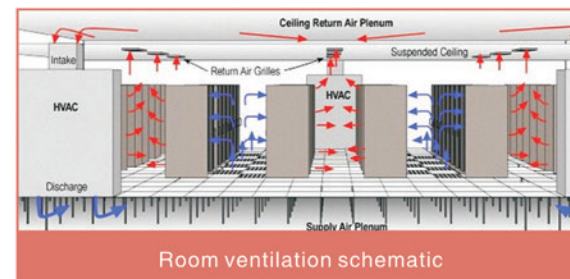


STEEL PERFORATED PANELS / GRATING PANELS

Size: 600*600*30mm
600*600*35mm

Introduction

Dawn steel perforate panel can achieve various ventilation rate to meet different requirements with the control damper. It can be laminate HPL or PVC on the top of panel. It is compatible with any 60cm stringer systems.

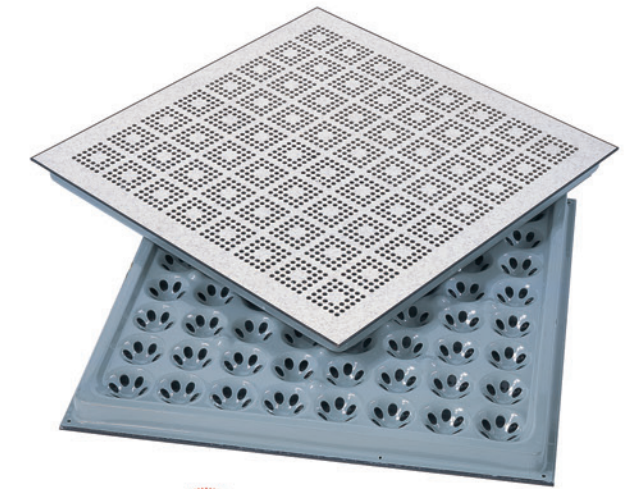


Application

Steel air flow panel is suitable for computer centers, network service room, telecommunication rooms, electronic facilities clean room and any other airflow required place.



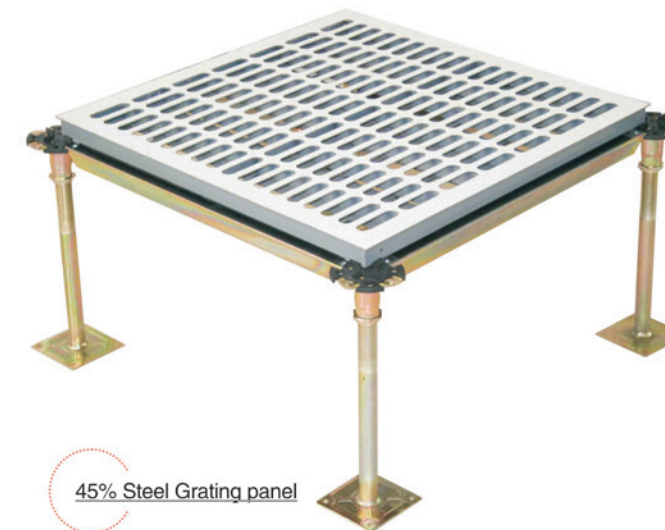
22% Steel Perforated Panel with Sliding Damper



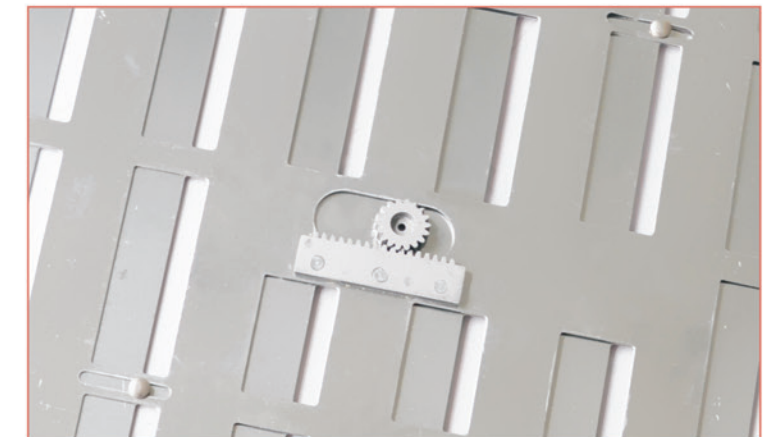
22% Steel Perforated Panel

Features

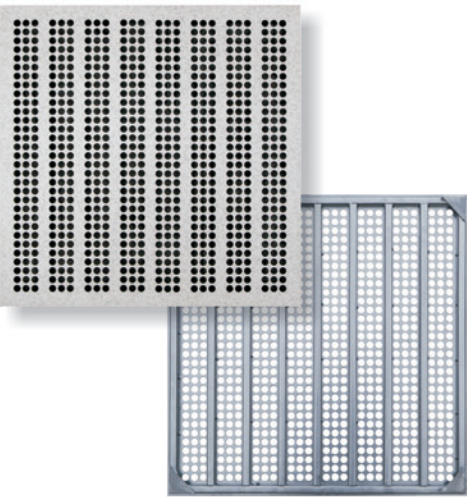
- ◆ Eight different designs and up to 70% open area.
- ◆ Light weight, good load capacity and excellent anti-static performance
- ◆ Good flatness and high dimension accuracy, flexible interchange ability
- ◆ Elaborated made, small installation gap and good decoration



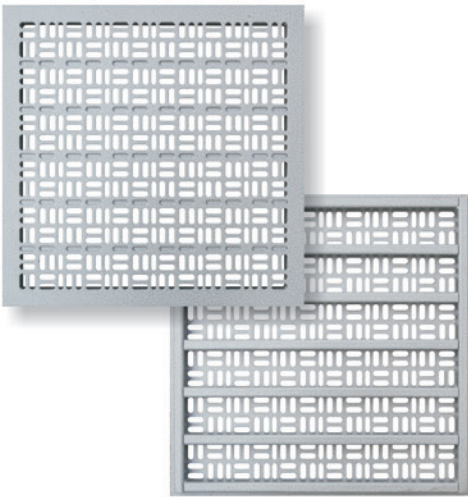
45% Steel Grating panel



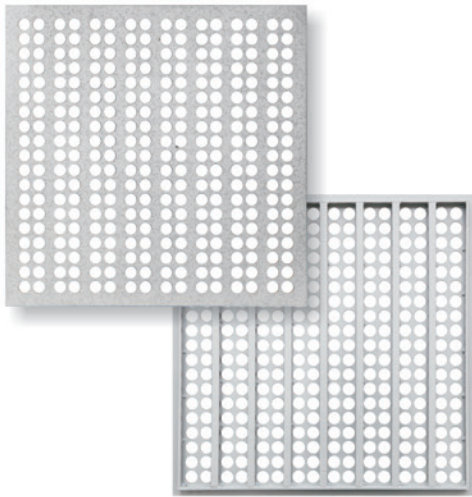
OTHER TYPES OF PERFORATED PANELS



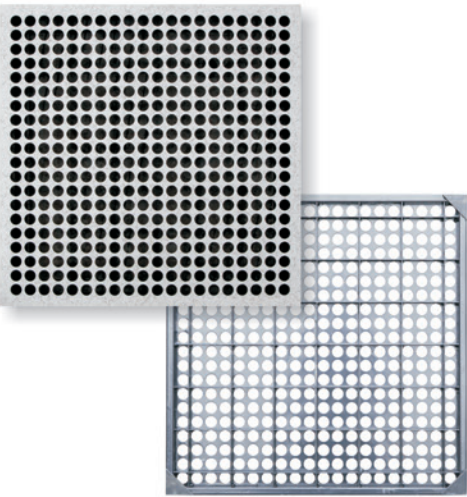
30% open area



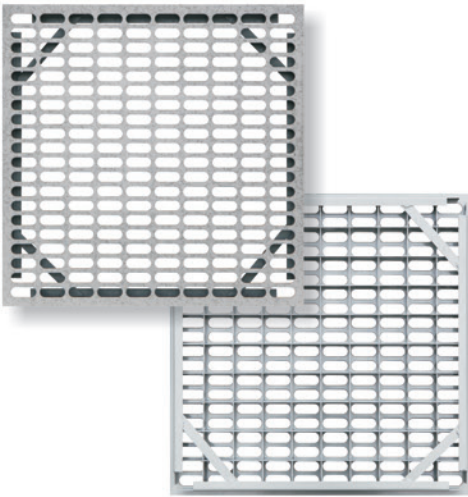
32% open area



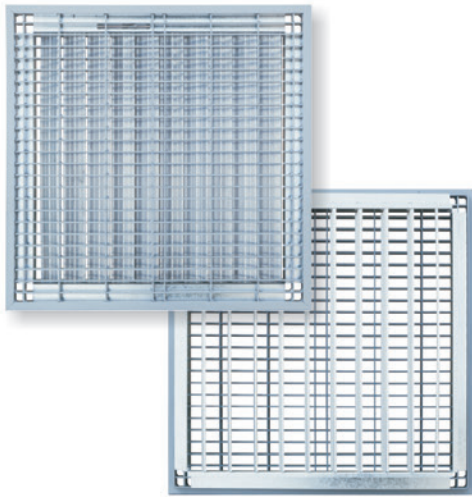
40% open area



45% open area



50% open area



70% open area

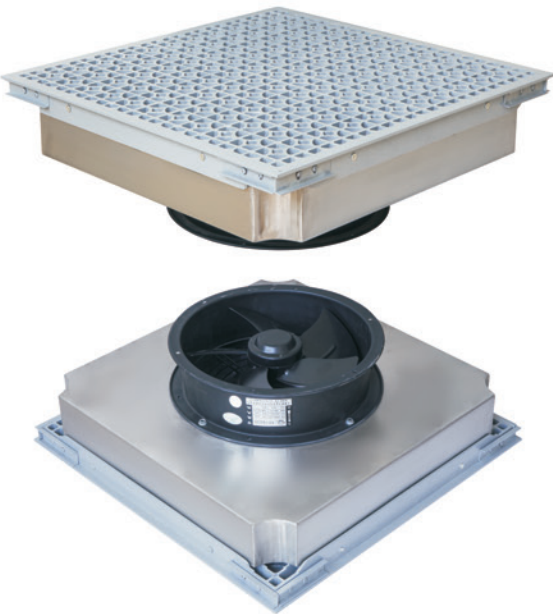
EC FAN FOR AIRFLOW CONTROLS

Introduction

The aluminum air grille panel is equipped with automatic airflow control fan, which is the most ideal choice for your data center. The unit adjusts the amount of airflow by the temperature sensor assembled to the equipment. The EC fan speed control is precise to 1rpm, therefore it ensures the proper inlet temperature, and it saves 30% cooling energy comparing to conventional airflow system.

Features

- ◆ High precision, quick response temp measurement;
- ◆ User programmable set point;
- ◆ Fail safe operation: the EC fan can simply be turned off by one emergency switch.

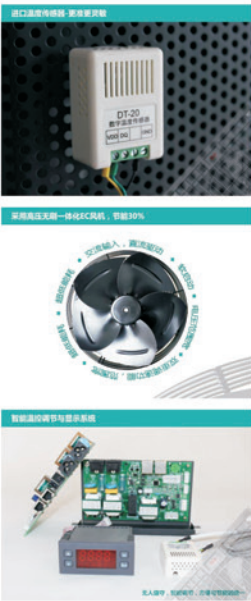


Application

Your data center airflow management solution.

Specifications

Air Flow	Rated4600m³/h, Max5100m³/h, and the maximum air flow can be set according to the site requirement
Fan	The fan has soft start-up function. A single EC axial fan structure is adopted to ensure floor ventilation when the fan is not in use.
Speed regulation of Fan:	Manual or automatic
control and display	set fan start temperature, full speed running temperature and alarm temperature according to site requirements, with Lan interface to meet group control requirements in later period
Temperature sensor	With imported sensor chip, the accuracy of temperature can achieves ± 0.1℃





ALUMINUM AIR GRILLE (for use with aluminum panel floor system)

Introduction

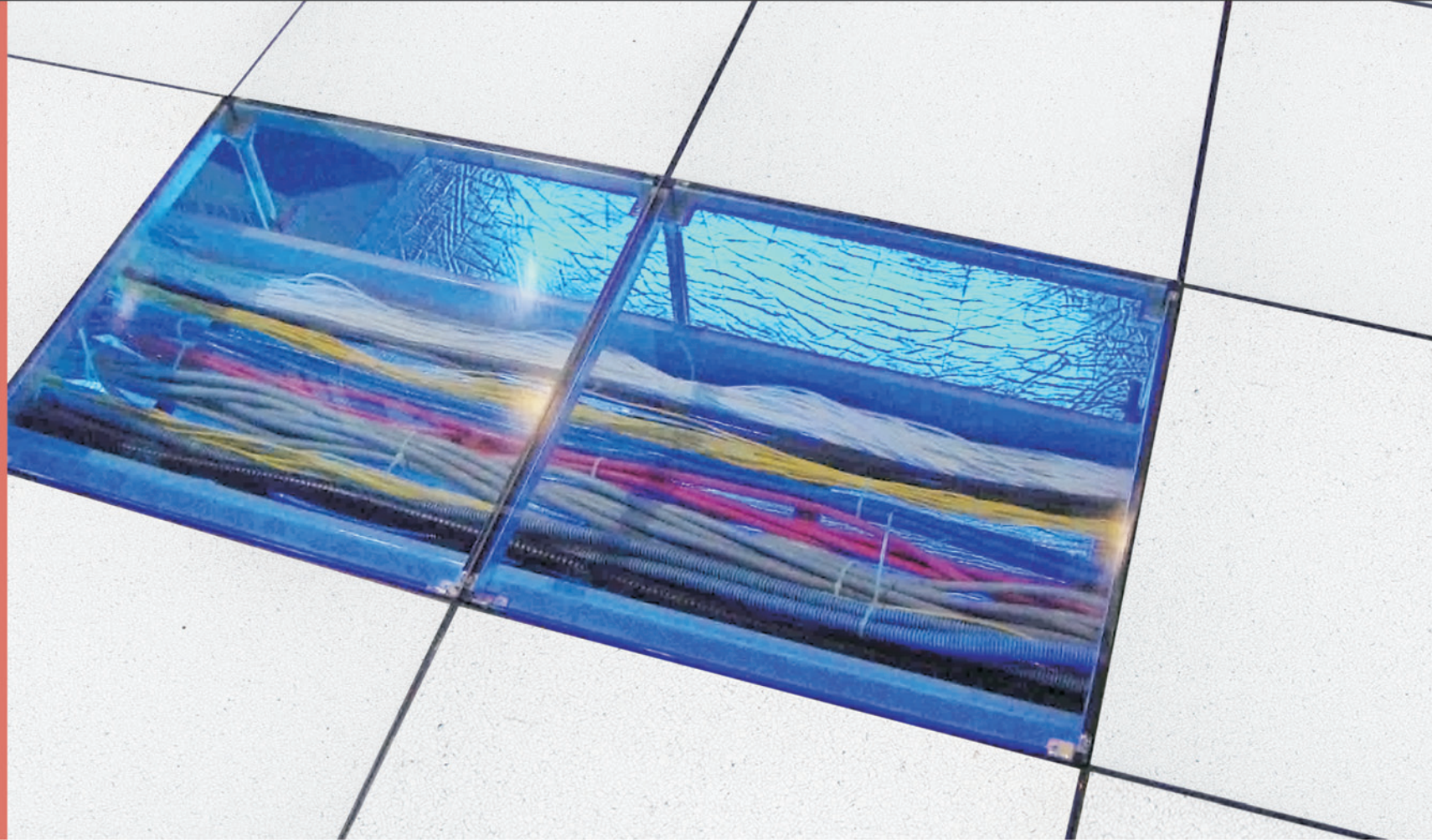
Aluminum air grille panel for use with both steel panel and calcium sulphate panel. It has a free open area of 55% for those applications requiring the highest cooling conditions.

Match with Steel Panels



Match with Calcium Sulphate Panels





TRANSPARENT GLASS PANEL

Introduction

The glass panel is 20mm thick made of two layers of stalinite. It is compatible for whole range of Dawn raised floor system by using an unique designed strong steel frame.

Application

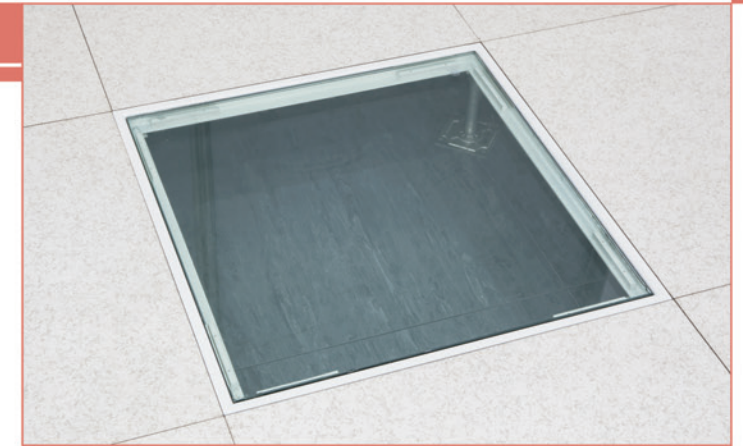
It is recommended where underfloor instrument observation is required.

Specifications

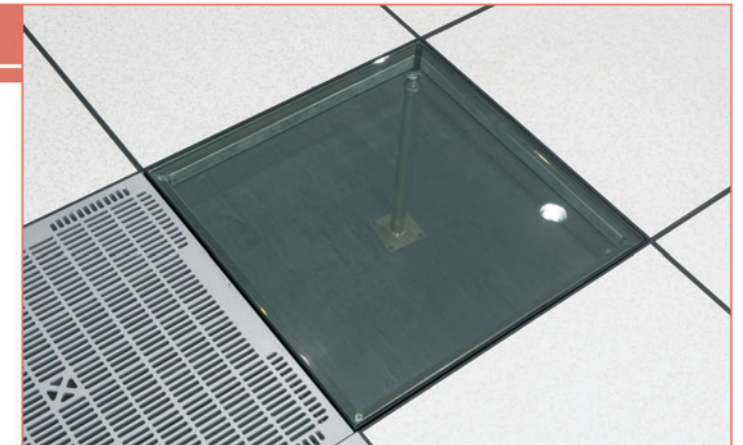
With reference to National Standards and US CISCA test Standards

Type	Size (mm)	Concentrated Load		Rolling load N	Ultimated load N	Uniform Load N/M ²	Fire protection performance
		N	KG				
FS1000	600x600x35	≥4450	≥454	≥3560	≥13350	≥23000	Non-combustible Material

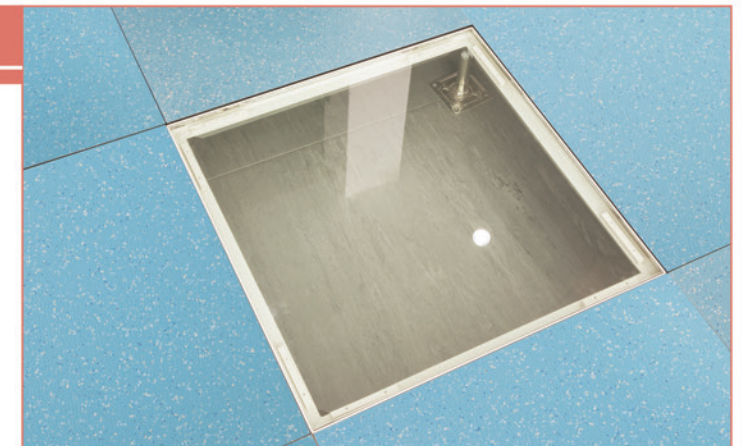
Install with Steel Panel



Install with Aluminum Panel



Install with Calcium Sulphate Panel





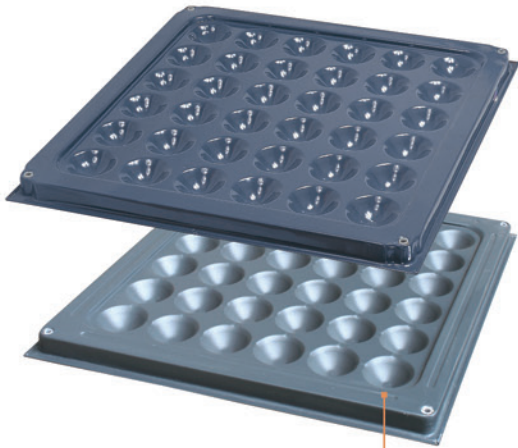
OA500 STEEL CEMENT BARE PANEL

Introduction

OA-500 steel raised floor is made of good quality deep stretch coil steel, which is punched, spot-welded and coated by epoxy powder. The panel is filled with foamed cement inside. Comparing to traditional raised floor, trunking can be added to the floor freely. More flexible wiring which can segregate the strong and weak current, simplify the equipment maintainance, save the building space and it fully reflects raised floor functionality.

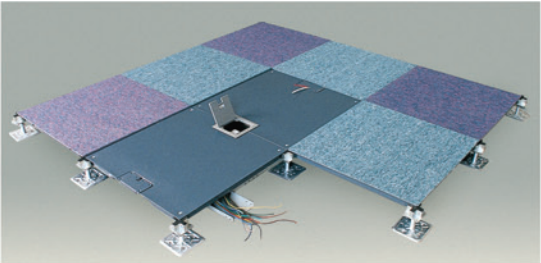
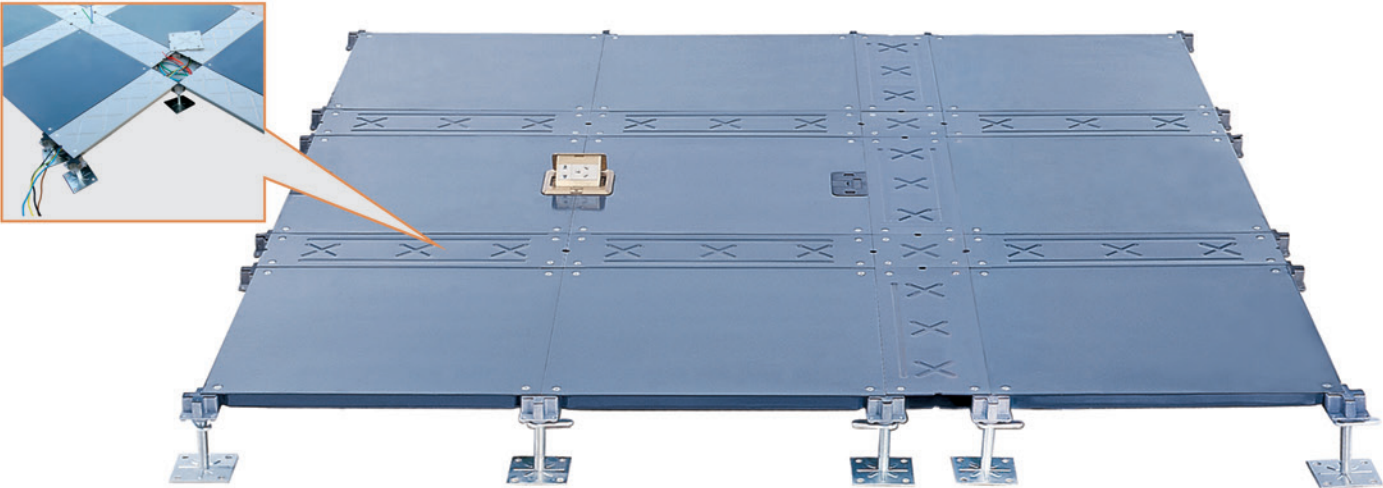
Features

- ◆ Provide optimum strength;
- ◆ Light weight for ease of handling;
- ◆ Convenient maintainance for the powder coated bare finish;
- ◆ Dimensional accuracy allows free interchangeability;
- ◆ Good decoration.



Reinforced rib

FLOOR TRUNKING



Specifications

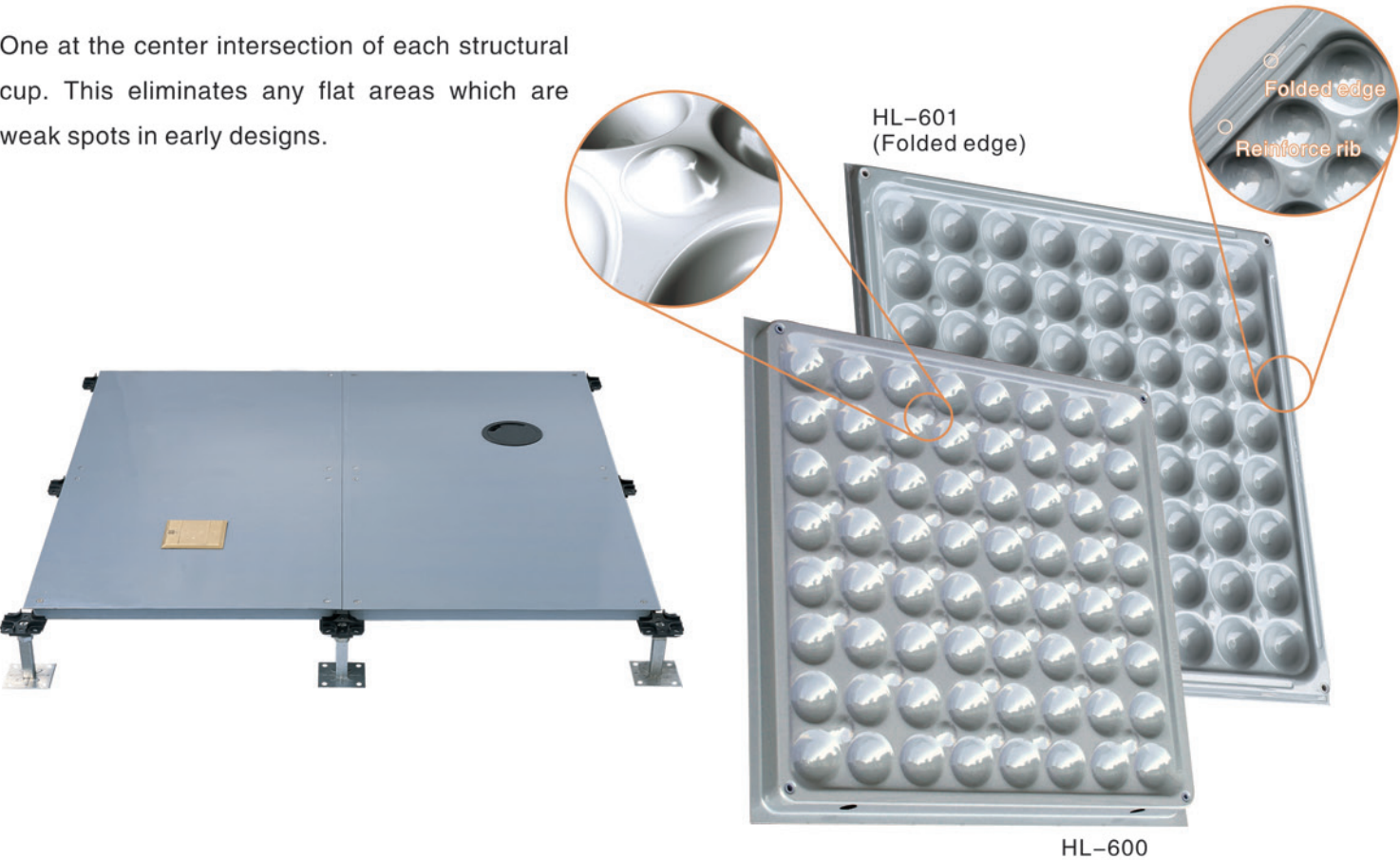
With reference to National Standards and US CISCA test Standards

Type	Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	Fire protection performance
		N	KG	N	N	N/M²	
FS700	500x500x28	≥2950	≥300	≥2255	≥8850	≥12500	Non-combustible Material
FS800	500x500x28	≥3550	≥363	≥2950	≥10650	≥16500	
FS1000	500x500x28	≥4450	≥454	≥3560	≥13350	≥23000	

OA600 STEEL CEMENT BARE PANEL

Introduction

One at the center intersection of each structural cup. This eliminates any flat areas which are weak spots in early designs.



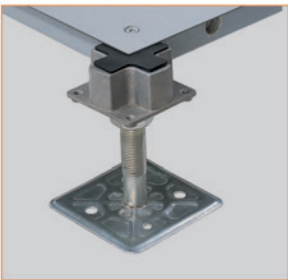
Dawn panels come with 90 degree deep drawn steel beam corners, filled with high strength cement. Any load placed on the panel will be transferred to the panel corners before traveling through the pedestals to the sub-floor.

Though Dawn deep drawn beam corner is a difficult manufacturing process, it is done in order to achieve the ultimate loading capacity necessary to prevent bending upwards of corners or dishing panels.

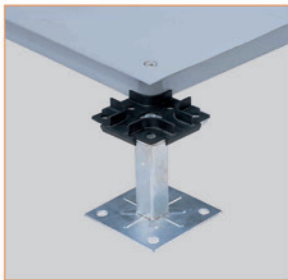
Cement is filled using a high pressured pump to ensure that sufficient cement mix reaches all corners of the panel.



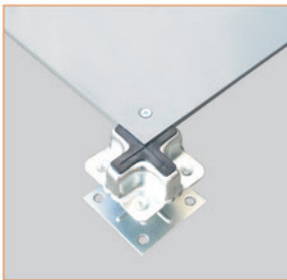
Pedestal Types



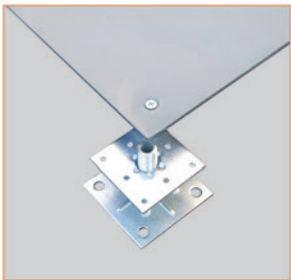
Pedestal-1
Aluminum cross head



Pedestal-2
Steel flat head with gasket



Pedestal-3
Steel die-formed head



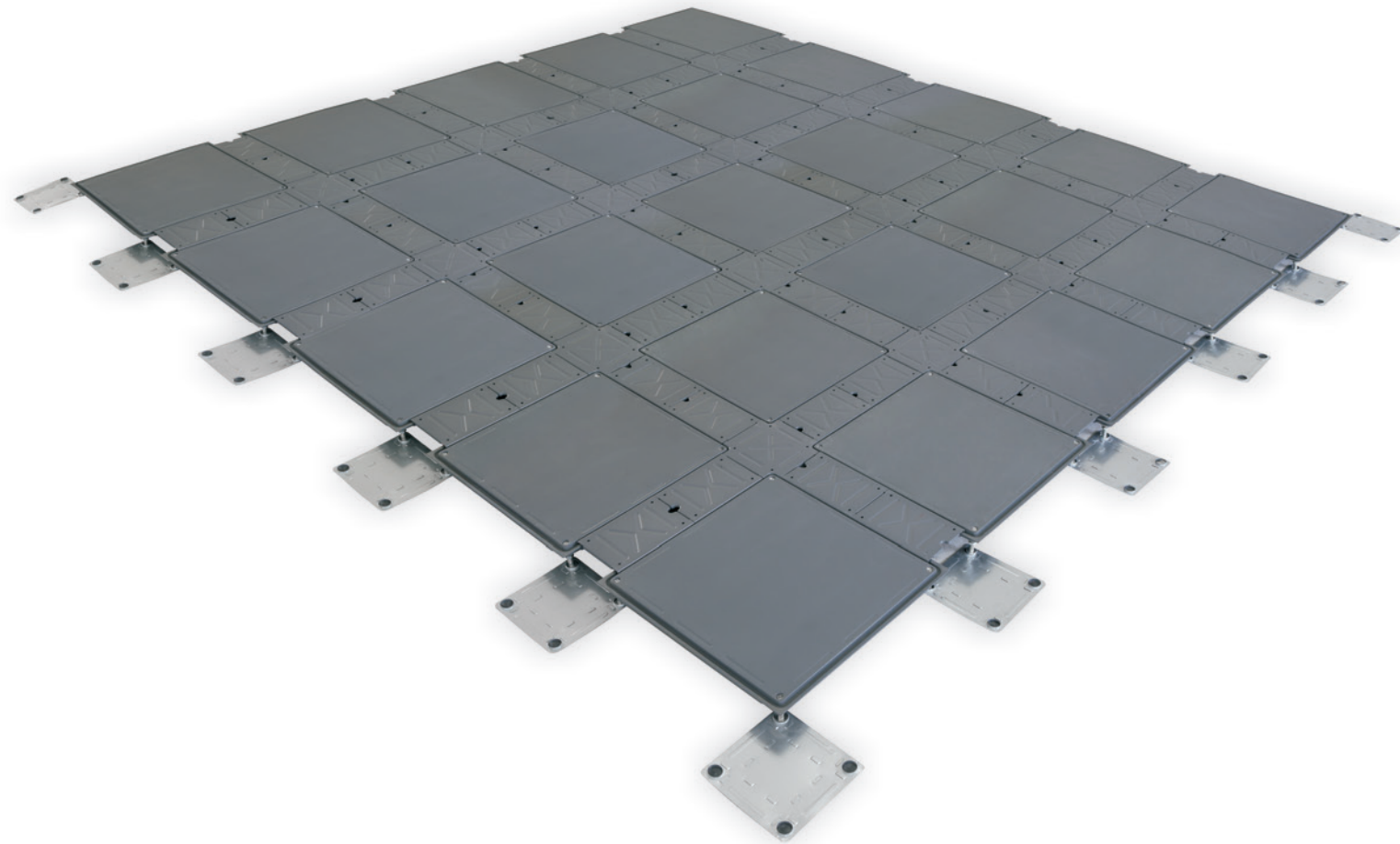
Pedestal-4
Low profile pedestal

Specifications

With reference to National Standards and US CISCA test Standards

Type	Size (mm)	Concentrated Load		Rolling load N	Ultimated load N	Uniform Load N/M ²	Fire protection performance
		N	KG				
FS700	600x600x33	≥2950	≥300	≥2255	≥ 8850	≥ 12500	
FS800	600x600x33	≥3550	≥363	≥2950	≥ 10650	≥ 16500	
FS1000	600x600x33	≥4450	≥454	≥3560	≥ 13350	≥ 23000	
FS1250	600x600x33	≥5560	≥567	≥4450	≥ 16680	≥ 33000	

OA500 BARE PANEL WITH TRUNKING (FOR LFFH)



Introduction

- ◆ Main Part: OA500 bare panel, field and perimeter cover, support bases.
- ◆ Optional Part: Floor box, cable tray and grommet.
- ◆ Floor height: typical floor heights from 35–150mm and the most ideal height is 50mm.
- ◆ The accessible modular design of the system ensures quick and easy installation. It creates a spacious environment by managing the power and data cabling by the trunking.

CALCIUM SULPHATE BARE PANEL

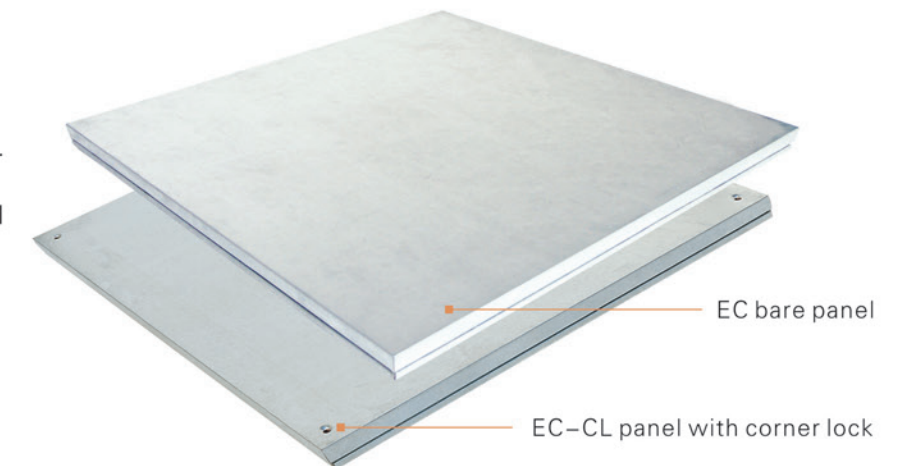


EC, EC-CL ENCAPSULATED CALCIUM SULPHATE PANEL

Size: 600 × 600 × 28(mm)
600 × 600 × 30(mm)

Introduction

Encapsulated calcium sulphate panel consists of high-strength calcium sulphate core. Top and bottom steel sheet is bonded to the core with profiled edges.





Features

- ◆ Fully encapsulation ensures stability and durability
- ◆ Very high load bearing capacity
- ◆ High dimension of accuracy and interchangeability
- ◆ Excellent fire-proof and acoustical performance
- ◆ Extra steady solid underfoot and comfort.

Specifications

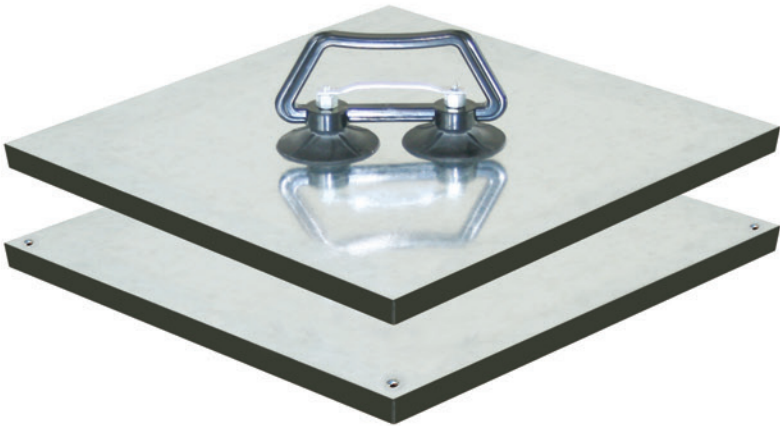
With reference to National Standards and US CISC test Standards

Type		Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	Fire protection performance	System resistance
			N	KG	N	N	N/M²		
EC	EC1000	600x600x28	≥4550	≥454	≥3560	≥13350	≥23000		
EC-CL	EC1250	600x600x30	≥5560	≥567	≥4450	≥16680	≥33000		
P-EC-B	P-EC1000	600x600x30	≥4550	≥454	≥3560	≥13350	≥23000	Non-combustible Material	/
P-EC-CL	P-EC1250	600x600x32	≥5560	≥567	≥4450	≥16680	≥33000		

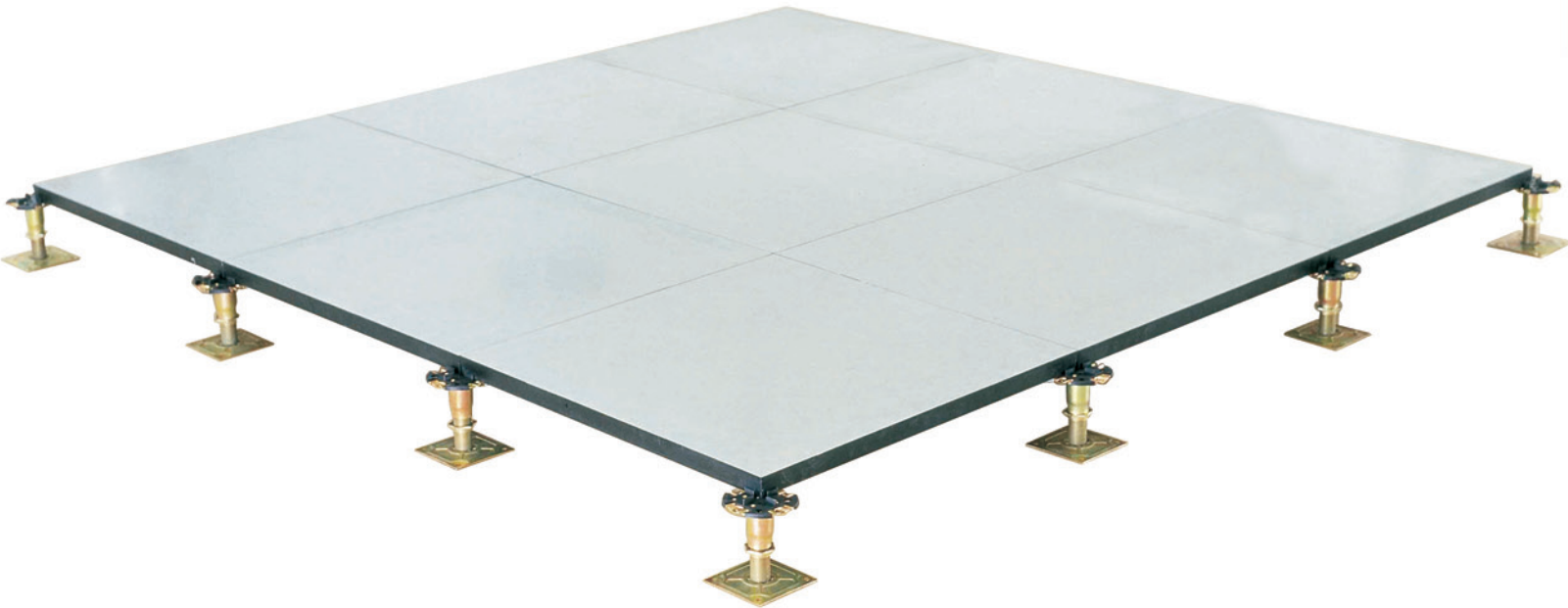
P-EC-B、P-EC-CL BARE CALCIUM SULPHATE PANEL WITH PVC BAND EDGE

Introduction

Bare calcium sulphate panel consists of high-strength calcium sulphate core, steel sheet is bonded to the top and bottom surface of the core. PVC edging strip is glued to each edge of the panel.



Size: 600 × 600 × 30(mm)
600 × 600 × 32(mm)



CEMENT-FIBER PANEL



Size: 600 × 600 × 28(mm)

Introduction

The panel is mainly composed of fiber re-enforced cement core and steel-base. The special high pressure production procedure enhance the panel core at high rigidity. Panel bottom bonded and supported by galvanized steel sheet which contributes the panel high loading property. The panel is non-combustible and heat-retard. And the cement-base panel surface is suitable for almost all type of floor covering, carpet, vinyl and stoneware tiles.

Specifications

With reference to National Standards and US CISC test Standards

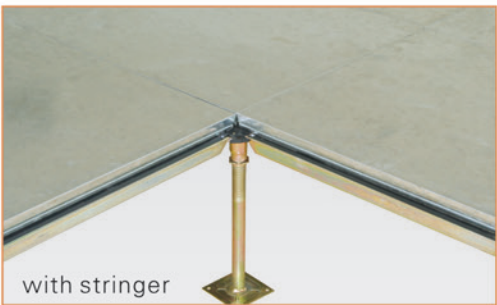
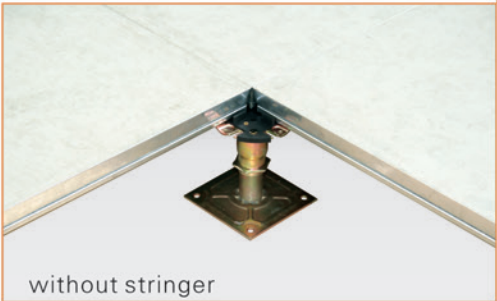
Type		Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	Fire protection performance
			N	KG	N	N	N/M²	
GRC	FS1000	600x600x28	≥4450	≥450	≥3560	≥13350	≥23000	Non-combustible Material

WOODCORE BARE PANEL

EW、EW-CL ENCAPSULATED WOODCORE PANEL



Size: 600 × 600 × 28(mm)



P-EW-B、P-EW-CL WOODCORE PANEL WITH PVC BAND EDGE



Size: 600 × 600 × 30(mm)

Specifications

With reference to National Standards and US CISC test Standards

Type		Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load
			N	KG	N	N	N/M²
EW P-EW	EW800 P-EW800	600x600x28 600x600x30	≥3550	≥363	≥2950	≥10650	≥16500



STEEL PANEL WITH ARCHITECTURAL FINISHES

General Introduction

This panel series brings aesthetics values to conventional raised floor system, factory applied finishes (such as marble, granite, timber and different soft tiles) are cost effective and offer quick and easy installation. It matches with the design of modern buildings

WDS-S01 STEEL PANEL WITH NATURAL WOOD FINISH

Introduction

The steel panel is laminated with timber finish, the finish is made of a 3mm wood bonded to 12mm backer board.

Application

The utility model is mainly used in civil houses, hotels, conference rooms, offices, clubs, etc.



Size: 600 × 600 × 45mm



Features

- ◆ Sanded smooth and finished with a natural high solids oil for a long lasting durable finish
- ◆ All wood construction
- ◆ Extra steady solid underfoot and conformability

Specifications

With reference to National Standards and US CISC test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M ²	Fire protection performance
FS800	≥3550	≥2950	≥10650	≥16500	Non-combustible Material
FS1000	≥4450	≥3560	≥13350	≥23000	
FS1250	≥5560	≥4450	≥16680	≥33000	



CT-S01 STEEL PANEL WITH PORCELAIN FINISH

Introduction

The steel panel is laminated with porcelain, L-edge trim is glued to the panel edges. With an extensive selection of porcelain finishes, this system also creates a spacious under floor environment for power, data cabling and other equipment.



Size: 602x602x40mm
602x602x45mm

Features

- ◆ Elaborated made with wide range color options;
 - ◆ Non-absorbent, near zero water absorption;
- ◆ No harsh chemicals required to clean;
 - ◆ Easy installation and maintenance.

Specifications

With reference to National Standards and US CISCA test Standards

Type	Size (mm)	Concentrated Load		Rolling load	Ultimated load	Uniform Load	Fire protection	System
		N	KG	N	N	N/M²	performance	resistance
FS700	602x602x40 602x602x45	≥2950	≥300	≥2255	≥8850	≥12500	Non-combustible Material	Anti-static floor system resistance 10 ⁶ ~10 ¹⁰ Ω

HPL-S01 STEEL PANEL WITH WOODEN COLOR HPL FINISH

Introduction

The steel panel is laminated with wooden color HPL finish, these HPL is made with wooden color decoration paper.

Features

- ◆ Wear resistance under high traffic
- ◆ Superior performance in humid climatic conditions
- ◆ Authentic wood color



Size: 600 × 600 × 35mm

Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS700	≥ 2950	≥ 2255	≥ 8850	≥ 12500	Non-combustible Material
FS800	≥ 3550	≥ 2950	≥ 10650	≥ 16500	
FS1000	≥ 4450	≥ 3560	≥ 13350	≥ 23000	
FS1250	≥ 5560	≥ 4450	≥ 16680	≥ 33000	



PVC-S01 STEEL PANEL WITH PVC FINISH

Introduction

The steel panel is laminated with homogeneous vinyl tile, which offers specific acoustical, conductive and slip resistant qualities.

Features

- ◆ Several different patterns to choose from
- ◆ Excellent fire resistance and resist to water
- ◆ Good acoustical characteristics
- ◆ Stable and durable
- ◆ Antibacterial property

Application

It is recommended in hospital, school, office building, manufacturing facilities, public buildings, supermarkets and shopping malls.



Size: 600 × 600 × 35mm

Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS700	≥2950	≥2255	≥8850	≥12500	Non-combustible Material
FS800	≥3550	≥2950	≥10650	≥16500	
FS1000	≥4450	≥3560	≥13350	≥23000	
FS1250	≥5560	≥4450	≥16680	≥33000	

CP-S01 STEEL PANEL WITH CARPET FINISH

Introduction

The steel panel is laminated with carpet tile, the floor system creates a spacious under floor environment for power, data cabling and other equipment.

Features

- ◆ Excellent acoustic performance, soft and comfortable underfoot.
- ◆ Nearly unlimited colors, styles and textures.
- ◆ Easy installation and convenient maintenance

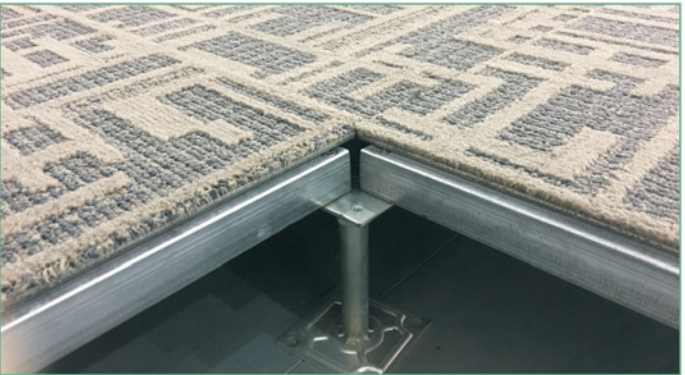
Application

It is widely used in hospitals, schools, office buildings, public places, supermarkets and shopping malls.

Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS700	≥2950	≥2255	≥8850	≥12500	Non-combustible Material
FS800	≥3550	≥2950	≥10650	≥16500	
FS1000	≥4450	≥3560	≥13350	≥23000	
FS1250	≥5560	≥4450	≥16680	≥33000	



Size: 600 × 600 × 35mm

RF-S01 STEEL PANEL WITH RUBBER FINISH

Introduction

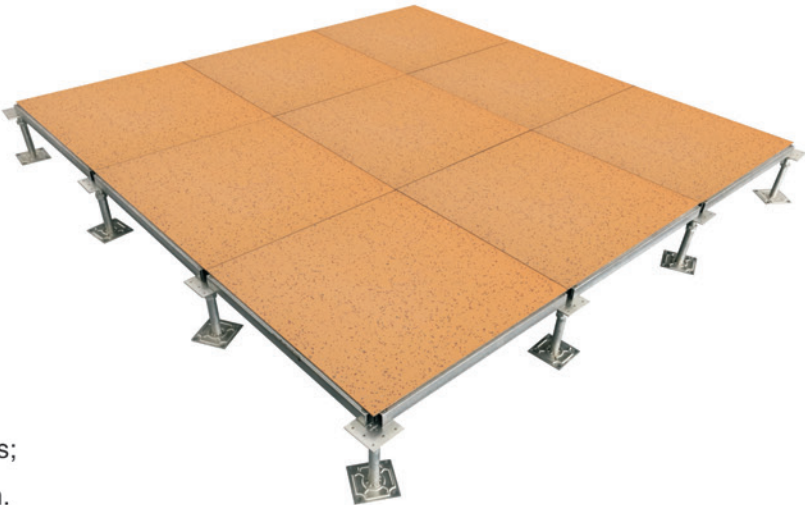
The steel panel is laminated with rubber tile which offers specific acoustical and slip resistant qualities

Features

- ◆ High flexibility and extra steady solid underfoot;
- ◆ Completely use of environmental friendly material;
- ◆ Maintains accessibility, as opposed to rolled finishes;
- ◆ Several different patterns and colors to choose from.

Application

It is recommended in school, hospital and gymnasium.



CALCIUM SULPHATE WITH ARCHITECTURAL FINISHES

General Introduction

High density calcium sulphate panels are made of non-combustible material and ecological. This panel series not only provides the superb access floor function, but also enhances the outfit of the modern building with timeless aesthetic beauty. Factory applied finishes (such as marble, granite, timber and different soft tiles) are cost effective and offer quick and easy installation.

Specifications

With reference to National Standards and US Cisca test Standards

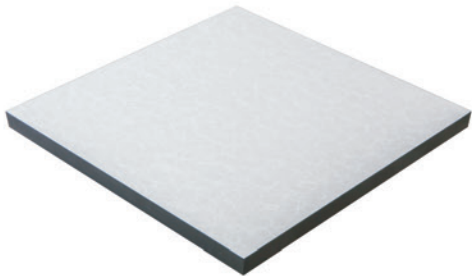
Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS700	≥2950	≥2255	≥8850	≥12500	Non-combustible Material
FS800	≥3550	≥2950	≥10650	≥16500	
FS1000	≥4450	≥3560	≥13350	≥23000	
FS1250	≥5560	≥4450	≥16680	≥33000	



CT-C01 CALCIUM SULPHATE PANEL WITH PORCELAIN FINISH

Introduction

The calcium sulphate panel is laminated with natural marble or granite and corrosion resistant galvanized steel or aluminum foil at the bottom with 4 trimmed edges of PVC. With an extensive selection of porcelain finishes, this system also creates a spacious under floor environment for power, data cabling and other equipment.



Size: 600 × 600 × 35mm

Features

- ◆ Elaborated made with wide range color options;
- ◆ Non-absorbent, near zero water absorption;
- ◆ No harsh chemicals required to clean;
- ◆ Easy installation and maintenance.

Application

The utility model is mainly used for indoor decoration of large public buildings or residential buildings, such as hotels, hotels, shopping malls, office buildings, clubs, living rooms, etc.

Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M ²	Fire protection performance
FS1000	≥4450	≥3560	≥13350	≥23000	Non-combustible Material

ST-C01 CALCIUM SULPHATE WITH NATURAL STONE FINISH

Introduction

The calcium sulphate panel is laminated with natural marble or granite and corrosion resistant galvanized steel or aluminum foil at the bottom with 4 trimmed edges of PVC. With an extensive selection of natural stone finishes, this system also creates a spacious under floor environment for power, data cabling and other equipment.



Application

It is suitable for a wide range applications from typical office buildings, elevator shafts, walkways; to large public buildings such as exhibition halls, libraries, airports, stations, residence and hotels.

Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M ²	Fire protection performance
FS1000	≥4450	≥3560	≥13350	≥23000	Non-combustible Material



Size: 600 × 600 × 40mm

Features

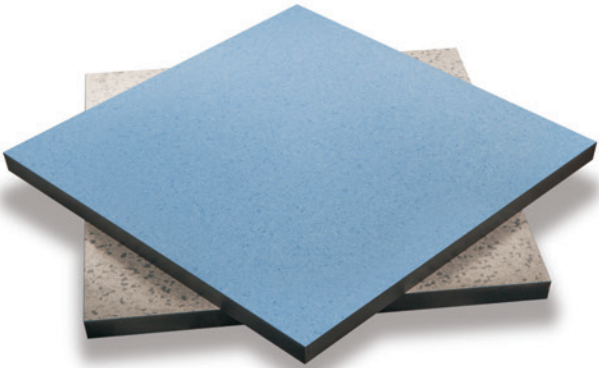
- ◆ 100% natural mineral composition
- ◆ Heavy duty, resists wear and scratches under high traffic;
- ◆ Colors are mineral based and it's recyclable.
- ◆ Easy to maintenance, impervious to chemicals;
- ◆ Quicker and easier installation comparing to traditional stone laying process.



PVC-C01 CALCIUM SULPHATE PANEL WITH PVC FINISH

Introduction

The calcium sulphate panel is laminated with homogeneous vinyl tile, which offers specific acoustical, conductive and slip resistant qualities. The panel bottom is corrosion resistant galvanized steel or aluminum foil with 4 trimmed edges of PVC.



Features

- ◆ Several different patterns to choose from
- ◆ Excellent fire resistance and resist to water
- ◆ Good acoustical characteristics
- ◆ Stable and durable
- ◆ Antibacterial property

Size: 600 × 600 × 30mm
600 × 600 × 32mm

Application

It is recommended in hospital, school, office building, manufacturing facilities, public buildings, supermarkets and shopping malls.

Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS1000	≥ 4450	≥ 3560	≥ 13350	≥ 23000	Non-combustible Material
FS1250	≥ 5560	≥ 4450	≥ 16680	≥ 33000	

WDS-C01 CALCIUM SULPHATE PANEL WITH NATURAL WOOD FINISH

Introduction

The calcium sulphate panel is laminated with timber finish, the finish is made of a 3mm wood bonded to 12mm backer board. The panel bottom is corrosion resistant galvanized steel or aluminum foil with 4 trimmed edges of PVC.



Size: 600 × 600 × 40mm

Features

- ◆ Sanded smooth and finished with a natural high solids oil for a long lasting durable finish
- ◆ All wood construction
- ◆ Extra steady solid underfoot and conformability

Application

It is recommended in residences, hotels, meeting rooms and offices.



Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS1000	≥ 4450	≥ 3560	≥ 13350	≥ 23000	Non-combustible Material

HPL–C01 CALCIUM SULPHATE PANEL WITH WOODEN COLOR HPL FINISH

Introduction

The calcium sulphate panel is laminated with wooden color HPL finish, these HPL is made with wooden color decoration paper. The panel bottom is corrosion resistant galvanized steel or aluminum foil with 4 trimmed edges of PVC.



Application

The utility model is mainly used in civil houses, hotels, conference rooms, offices, clubs, etc.

Features

- ◆ Wear resistance under high traffic;
- ◆ Superior performance in humid climatic conditions;
- ◆ Authentic wood color;



Size: 600 × 600 × 30mm
600 × 600 × 32mm

Specifications

With reference to National Standards and US CISCA test Standards

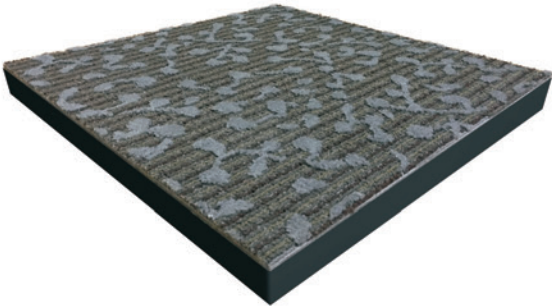
Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS1000	≥4450	≥3560	≥13350	≥23000	Non–combustible Material
FS1250	≥5560	≥4450	≥16680	≥33000	



CP–C01 CALCIUM SULPHATE PANEL WITH CARPET FINISH

Introduction

The calcium sulphate panel is laminated with carpet tile, the floor system creates a spacious under floor environment for power, data cabling and other equipment. The panel bottom is corrosion resistant galvanized steel or aluminum foil with 4 trimmed edges of PVC.



Size: 600 × 600 × 32mm

Features

- ◆ Excellent acoustic performance, soft and comfortable underfoot.
- ◆ Nearly unlimited colors, styles and textures.
- ◆ Easy installation and convenient maintenance.It also has bright color, full texture, beautiful appea.

Specifications

With reference to National Standards and US CISCA test Standards

Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M²	Fire protection performance
FS1000	≥4450	≥3560	≥13350	≥23000	Non–combustible Material

RF-C01 CALCIUM SULPHATE PANEL WITH RUBBER FINISH

Introduction

The calcium sulphate panel is laminated with rubber tile which offers specific acoustical and slip resistant qualities. The panel bottom is corrosion resistant galvanized steel or aluminum foil with 4 trimmed edges of PVC.

Features

- ◆ High flexibility and extra steady solid underfoot;
- ◆ Completely use of environmental friendly material;
- ◆ Maintains accessibility, as opposed to rolled finishes;
- ◆ Several different patterns and colors to choose from.



Application

It is recommended in school, hospital and gymnasium.

Size: 600 × 600 × 30mm
600 × 600 × 32mm

Specifications

With reference to National Standards and US CISC test Standards

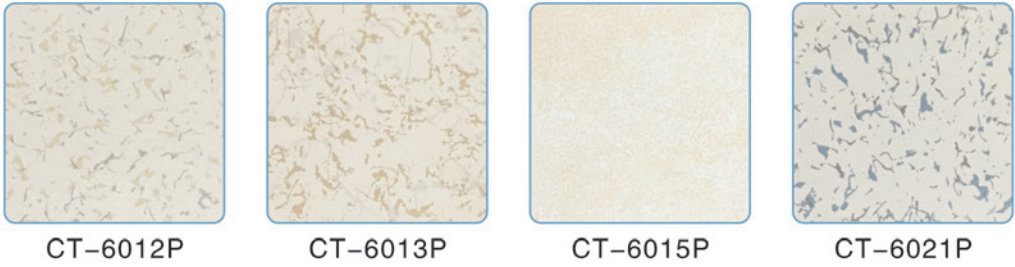
Type	Concentrated Load N	Rolling load N	Ultimated load N	Uniform Load N/M ²	Fire protection performance
FS1000	≥4450	≥3560	≥13350	≥23000	Non-combustible Material
FS1250	≥5560	≥4450	≥16680	≥33000	

FLOOR FINISH

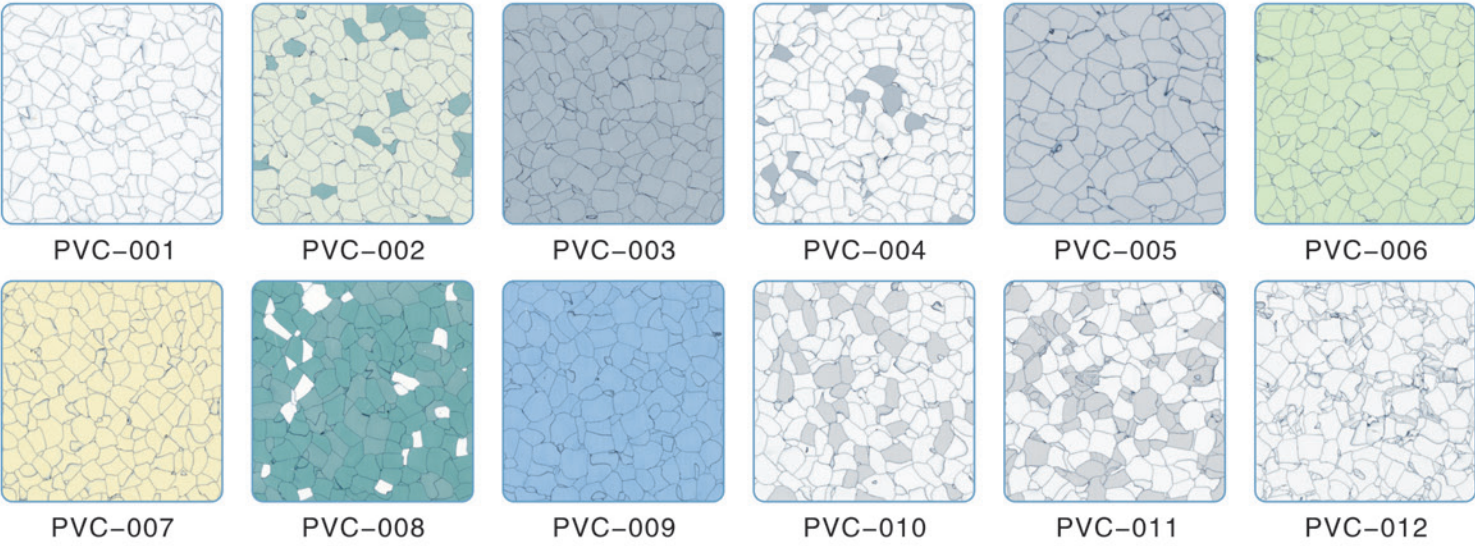
Anti-static high pressure laminate



Anti-static Porcelain

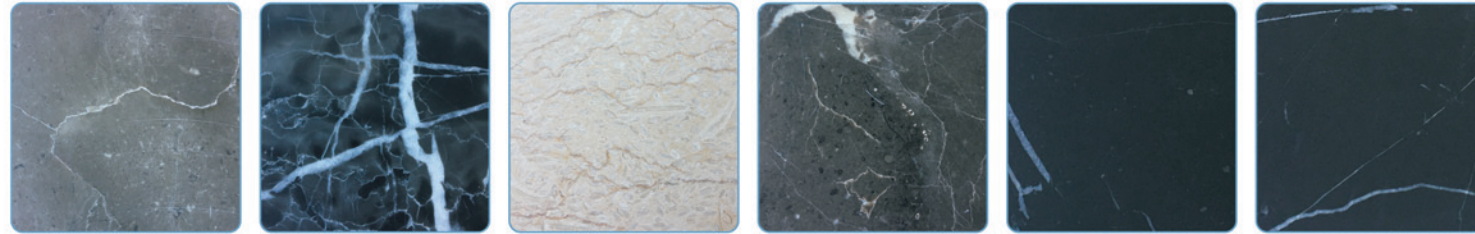


Vinyl Tile



ARCHITECTURAL FINISHES

Marble



HL—MT01

HL—MT02

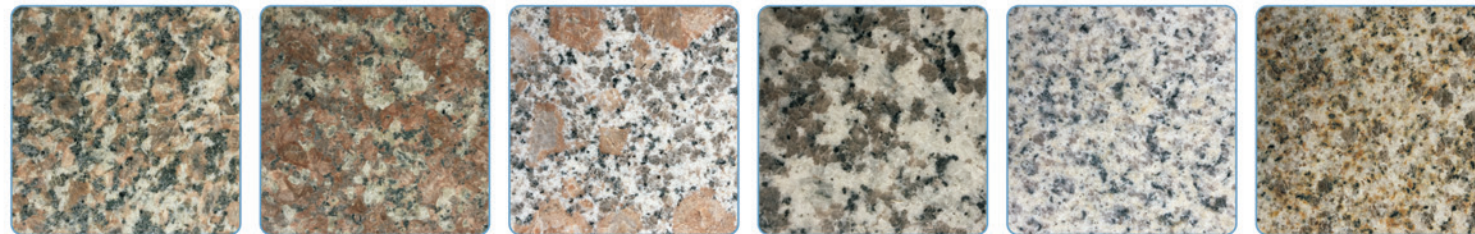
HL—MT03

HL—MT04

HL—MT05

HL—MT06

Natural granite



HL—ST01

HL—ST02

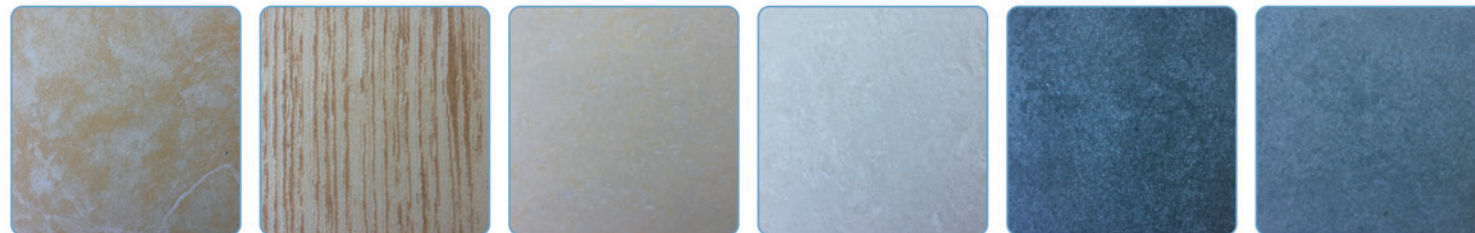
HL—ST03

HL—ST04

HL—ST05

HL—ST06

Porcelain



HL—CT01

HL—CT02

HL—CT03

HL—CT04

HL—CT05

HL—CT06

Wooden Color HPL



HPL—3040

HPL—3065

HPL—3045

HPL—3022

HPL—3038

HPL—3021

ARCHITECTURAL FINISHES

Natural Wood



HL—WDS01

HL—WDS02

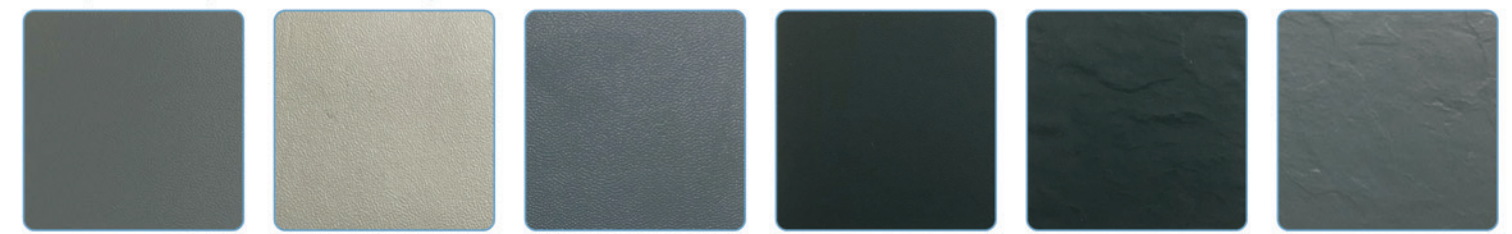
HL—WDS03

HL—WDS04

HL—WDS05

HL—WDS06

Vinyl Tile (Pure Colors)



HL—PVC01C

HL—PVC02C

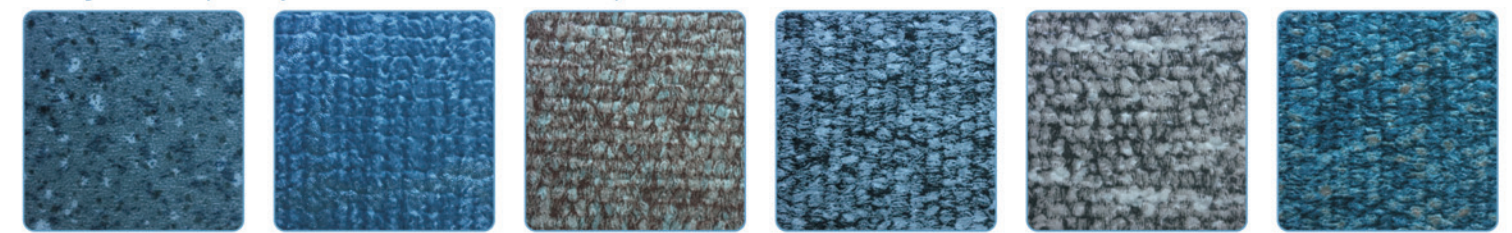
HL—PVC03C

HL—PVC04C

HL—PVC05C

HL—PVC06C

Vinyl Tile (Carpet Texture Colors)



HL—PVC01D

HL—PVC02D

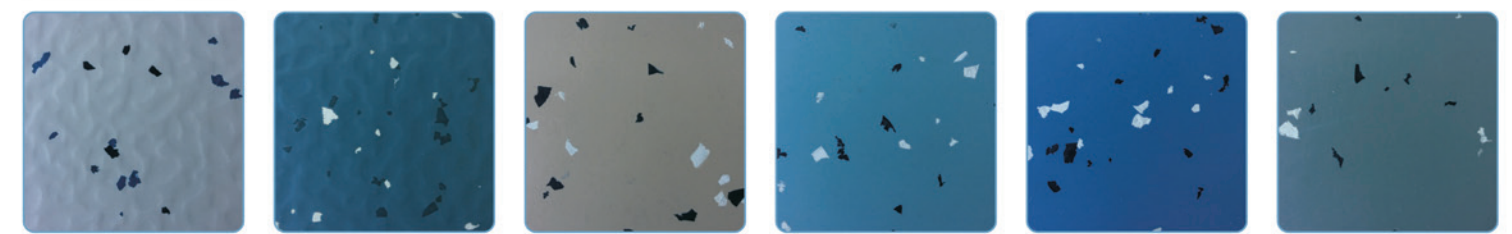
HL—PVC03D

HL—PVC04D

HL—PVC05D

HL—PVC06D

Rubber Tile



HL—RF01

HL—RF02

HL—RF03

HL—RF04

HL—RF05

HL—RF06

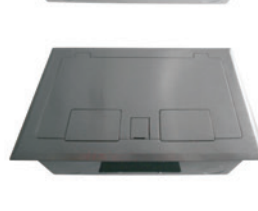
FLOORBOX

PHR01



Stainless steel panel
Bottom diameter:
112 × 112mm

PHR02



Stainless steel panel
Bottom diameter:
210 × 130mm

PHR03



Stainless steel panel
Bottom diameter:
230 × 230mm

PHR04



ABS plastic panel
Bottom diameter:
230 × 200mm

PHR05



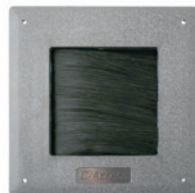
Stainless steel panel
Bottom diameter:
245 × 245mm

GROMMET

Round brush grommet



Surface brush grommet

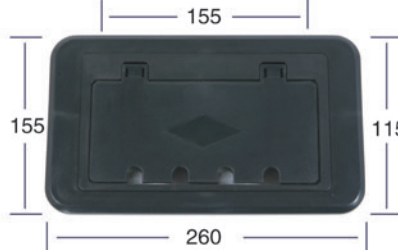


SmartAir™ Air Diffuser

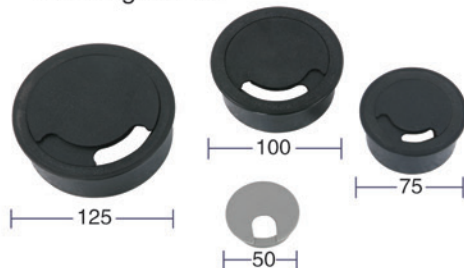


230

Integral brush grommet
(Size: front 260 × 155 bottom 155 × 115)



Round grommet



BANDSAW

Introduction

1. PRY-550 is tripod supporting structure, the main engine is 35.5KG, the working table and pedestals is 13.5KG, the whole weight is 48.8kg, it is more convenient compared with regular cutting band saw, the speed of cutting blade is 240mtr per minute.
2. PRY-550 is 1.5meter height, the working table is 1.3meter height, According to human engineering, it is suitable for human standing operation machine height.
3. PRY-550 can cut metal, wood, it is a necessary for raised floor installation.



DATA CENTER PROJECTS



Shanghai Data Center



National Computer Network Security Center



Yingtai Jiahe Beijing R & D Center



Zhengzhou Unicom Base



Hunnan Campus of Northeastern University



Anhui Raido & TV Center

DATA CENTER PROJECTS



Henan Provincial Government



Henan Provincial Commission of Discipline Inspection



Shenyang Garrison



Liaoning Province Public Security Department



BMW Brilliance Facility



National Games Security Command Center

COMMERCIAL BUILDING PROJECTS



Guangzhou East Tower



Guangzhou R & D Center



CCCC4 Harbour



Liaoning Newspaper Media Group



Baowu Steel Expo Headquarters



Shenyang Fortune Center

COMMERCIAL BUILDING PROJECTS



Shanghai Tower



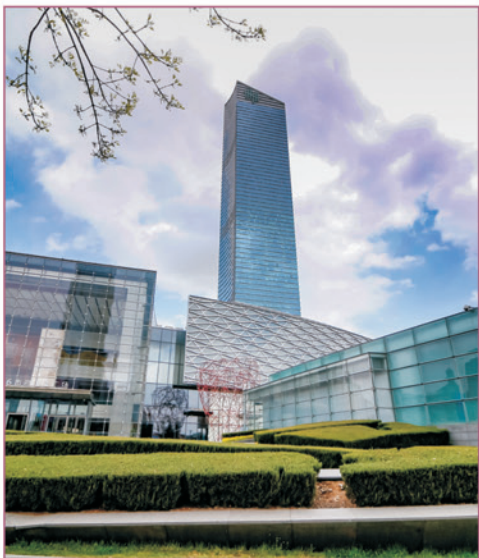
Shanghai Passenger Transport Center



Ningbo Global Shipping Center



Zhengzhou greenland Center



Forum 66 Tower



Urumqi Evening News Building