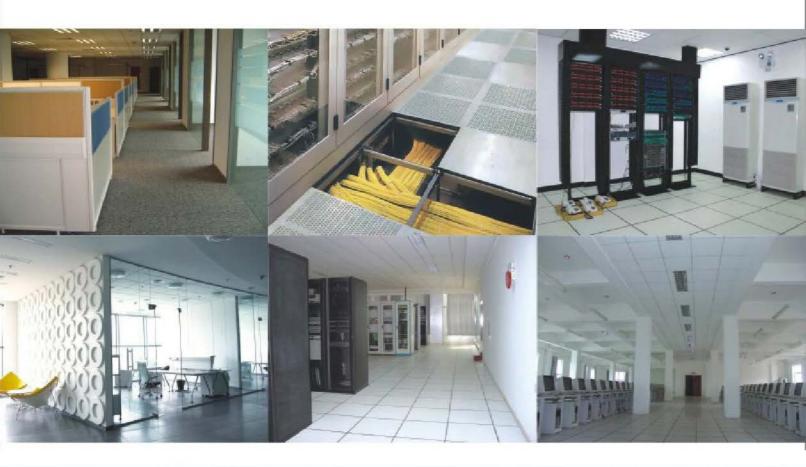


BENNER ACCESS FLOOR SYSTEM



The Best Quality of High Efficiency & Low Maintenance Materials

Best Benner Building (787) 962-3419











Structure

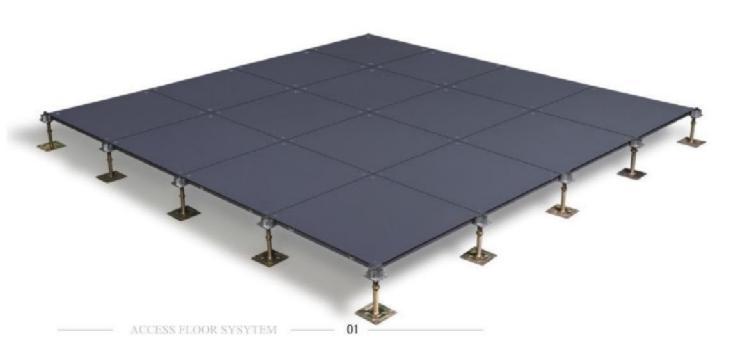
50 OA panel is made of steel plate, top to be SPCC material, bottom to be ST14 material, after pan formed and joined together by resistance welding, the panel is coated with epoxy paint, then infilled with light cement.

Size

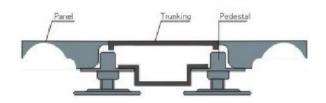
500mm×500mm

Feature

· All-steel structure, nice loading capacity · Excellent fire resistance ability · Good dimension accuracy, panel can be interchangeable







50-A-C5 PANEL

Wire Trunking System

A workstation can be easily and quickly relocated with cable management without disruption. Convenient for connecting wire at any point without cutting floor. Suitable for all kinds of plug socket terminals. Adjustable wire—connected location.



Feature

OA access floor system effectively reduces energy cost and improves inside air quality, makes it to be green office environment.









50-C2	50-C
being been board been	Sept Sept Sept

Ī	уре	Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Rolling Load	Remarks
International		mm	N	N	N	NM	10 10000	
OA668	HDG500 28QG	500 × 500 × 28	≥2990	670	≥8890	≥12500	2215 1548	(CISCA)
OA800	HDG500 28QG	500 × 500 × 28	≥3596	670	≥10799	≥19796	2959 2215	1
OA1000	HDG500 28BG	500 × 500 × 28	≥4498	670	≥13494	≥23294	3596 2959	

STEEL CEMENTITIOUS PANEL



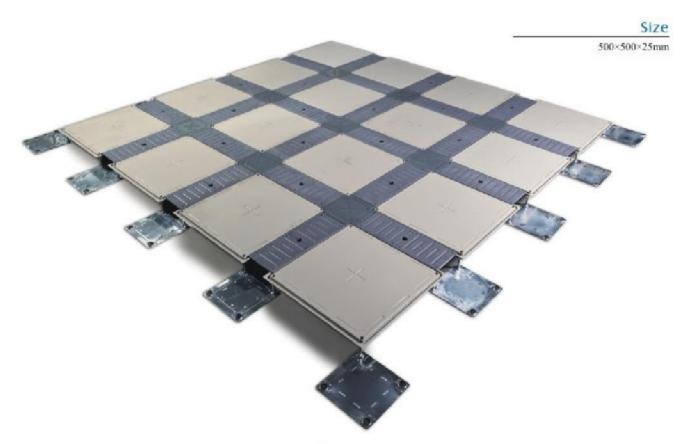






Structure

50-B panel is elevated innovation and breakthrough, comparing with traditional access floor system. The new 50-B series has the same advantage of 50 panel, but more convenient, environmental protected.





Feature

Product Description

- · Environmental protected, economical and recyclable.
- · Light weight, 1/2 to 2/3 of common access floor.
- · Good conductivity and air leakage, flexible trunks for wires and cables.
- · Specially designed for low finished flooring height









Outlet box



Base Connector

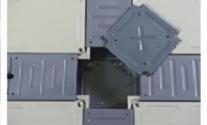


Screw Fedestal

Trunking

Trunking for wires is one of the advantages of trunking floor. Cover flank covers on basic panel edges after lying wires in trunks. Each panel stands separately, making it very convenient to lie flank cover before or after wires.









Туре		Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Rolling Load	Remarks
International		mm	N	N	N	NMF	10 10000	
OA668	HDG500 25QG	500×500×25	≥2990	670	≥8890	≥12500	2215 1548	(CIECA)
OA800	HDG500 25QG	500 × 500 × 25	≥3596	670	≥10799	≥19796	2959 2215	(CISCA)
OA1000	HDG500 25BG	500 × 500 × 25	≥4498	670	≥13494	≥23294	3596 2959	











Structure

60 OA panel is made of steel plate, top to be SPOC material, bottom to be ST14 material, after pan formed and joined together by resistance welding, the panel is coated with epoxy paint, then infilled with light cement.

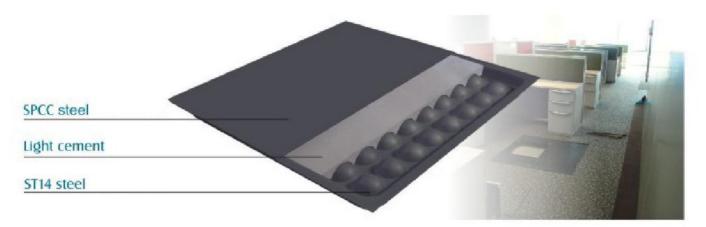
Size

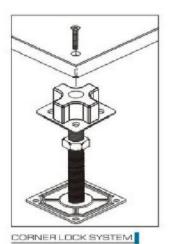
600×600×35mm

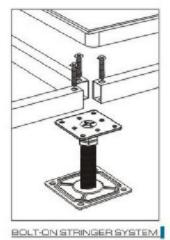
Feature

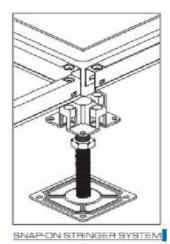
Embosiment structural. Enhance the concentrated load capability.

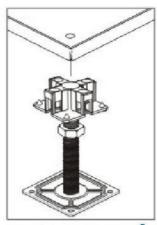












FREE STANDING SYSTEM

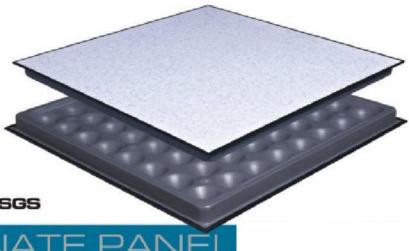
Structure

- · Screw down design supports the system effectively and makes the installation easily and stable.
- · The load is transferred directly onto the center of pedestal column.
- · Different types of understructures are available for install OA panel system.



T)	/pe	Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Rolli	ng Load	Remarks
International		mm	N	N	N	NMf	10	10000	
SC668	HDG600 35QG	600 × 600 × 35	≥2990	670	≥8890	≥12500	2215	1548	
	HDG600 30QG	600×600×30							
SC800	HDG600 358G	600×600×35	≥3596	670	≥10799	≥19796	≥19796 2959 2215		
HDG610 368	HDG610 35BG	610×610×35							
SC1000	HDG600 35ZG 600 x 600 x	600×600×35	> 4400	670	≥ 13494	≥23294	3596	2959	
561000	HDG610 35ZG	610×610×35	≥4498	870	8: 13484	5-23254	Second	A. W. D. D.	(CISCA)
SC1250	HDG600 35ZG	600×600×35	≥5595	670	≥ 16797	≥33084	4498	3596	
361200	HDG610 35ZG	610×610×35	5-0090	0/0	E-10121	≥33064			
SC1500	HDG600 35ZG	600×600×35	≥6693	670	≥20090	≥42581	5595	4400	
301000	HDG610 35ZG	610×610×35	2,0032	870	s= 20090	35 4Z DQ-1	2095	4498	
000000	HDG600 35ZG	600×600×35	× 0000	670	- 200005	~ 40704	0000	FFOF	
SC2000	HDG610 35ZG	610×610×35	≥8898	898 670	≥26685	≥49784	6693	5595	
CCOCOO	HDG600 35ZG	600×600×35	~ 11000		- 00000	~ E0000	0000	0000	
SC2500	HDG610 35ZG	610×610×35	≥11093	670	≥33290	≥58280	8898	6693	

STEEL CEMENTITIOUS **PANEL**











Feature

· Used for computer room, data center and communication center

- · Excellent rolling load & ultimated load performance · Light weight cement makes panels solid and quiet
- · Black/grey epoxy paint finish for long time protection
- · Class A flame spread and smoke development rating
- · Convenient installation supplies an excellent solution for office integrity, wiring and date cable service

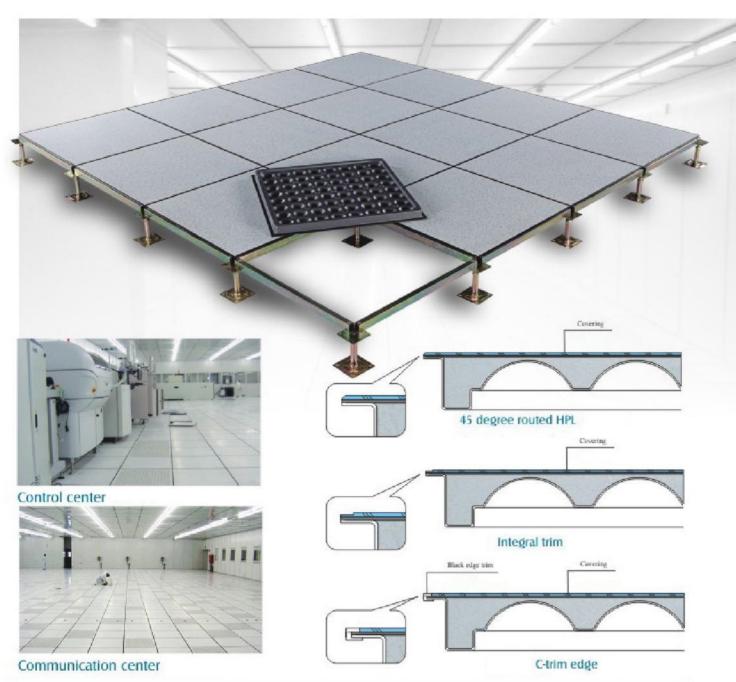


Wide range finishes available

· High Pressure Laminate

- · Conductive vinyl tile
 - · Ceramic
 - · Carpet tile
 - · Linoleum
 - · Granite/Marble
 - · PVC

Laminated tile SPCC steel Light cement ST-14 steel



T	ype	Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Roll	ng Load	Remarks	
International		mm	N	N	N	NW	10	10000		
SC668	HDG600 35QG	600 × 600 × 35	≥ 2990	670	≥8890	≥12500	2215	1548		
	HDG600 30QG	600 × 600 × 30						NAMES OF	Floor system	
SC800	HDG600 35BG	600 × 600 × 35	≥3596	670	≥10799	≥19796	2959	2215	resistance	
	HDG610 35BG	610 × 610 × 35								
SC1000	HDG600 35ZG	600 × 600 × 35	≥4498 67	070	≥13494	≥23294	3596	2959	1 × 10"−1 × 10"Ω ≥60mm	
301000	HDG610 35ZG	610 × 610 × 35		6/0	DE 13484	54 23234		2308		
COLOCO	HDG600 35ZG	600 × 600 × 35	- FERE	- CERE	070	- + page	~ nanna	4.400	acoo	S- GOTTAIT
SC1250	HDG610 35ZG	610×610×35	≥ 5595	670	≥16797	≥33084	4498	3596		
COTERR	HDG600 35ZG	600 x 600 x 35	s- 0000	070	~ anna	5 49E04	FEOF	4400		
SC1500	HDG610 35ZG	610 × 610 × 35	≥6693	670	≥20090	≥42581	5596	4498		
	HDG600 35ZG	600 × 600 × 35		A.W.A.						
SC2000	HDG610 35ZG	610×610×35	≥8898 670	≥26685	≥49784	6693	5595			
000500	HDG600 35ZG	600 × 600 × 35		070		- 50000	IEKEREKO	0000		
SC2500	HDG610 35ZG	610×610×35	≥11093	670	≥33290	≥58280	8898	6693		





PVC SEALED PANEL

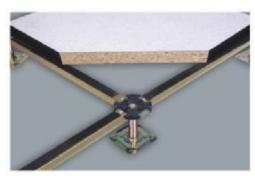


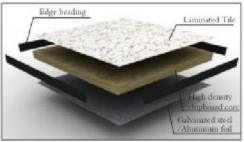




Structure

Woodcore access floor consists of high-density(720Kg/m²) chipboard. Galvanized steel sheet/aluminum foil is bonded to the bottom of the chipboard. HPL or PVC is stuck to the top of the chipboard, four edges are sealed with PVC edging strip.





Size

600×600×40mm 600×600×30mm

Feature

· Light weight, small noise when working

· Dimension accuracy with nice interchangeability.

Strong loading capacity, fire resistance B2 and excellent anti-static properties.
 Good sealing and water-proof.

Туре	Size	Concentrated	Impact Load Ultimate Load		Uniform Load	Rolling Load	
International	mm	N	N	N	N/M	10 10000	
Light duty	600 × 600	≥2990	670	≥8890	≥12500	2215 1548	
Medium duty	600 × 600	≥3596	670	≥10799	≥19796	2959 2215	
Heavy duty	600 × 600	≥4498	670	≥13494	≥23294	3596 2959	

WOODCORE ACCESS FLOOR







® € (€ PSB Intertek sas

Structure

Floor panel is encapsulated to provide full steel encasement, steel to be high quality galvanized steel sheet as top and bottom. High density chipboard as the core.





Galvanized steel

Chipboard core

Galvanized steel

Size

600×600×30mm 600×600×25mm

Application

- · Woodcore panel is widely used in high-grade rooms, such as banks, telecommunication centers, smart offices and computer rooms.
- · This panel is particularly suitable for areas of high humidity.
- · High dimension accuracy and environmental proof.



Structure

Туре	Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Rolling Load
International	mm	N	N	N	N/M²	10 10000
Light duty	600×600	≥2990	670	≥8890	≥12500	2215 1548
Medium duty	600×600	≥3596	670	≥10799	≥19796	2959 2215

CALCIUM SULPHATE ACCESS FLOOR





® € (€ PSB Intertek scs





ENCAPSULATED PANEL



Structure

Encapsulated with high density fiber calcium sulphate core.

Size

600×600×30mm



Feature

- · Full steel encasement and good sealing.
- · Constituted by all steel sheet, good loading capacity.
- · High dimension accuracy and excellent interchangeability.
- · Water-proof, fire-proof, antisepsis and sound insulation.
 - · Elaborated made and good decorative effect.

Туре	Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Rolling Load
International	mm	N	N	N	N/M	10 10000
Heavy duty	600×600	≥4498	670	≈ 13494	≥ 23294	3596 2959
Extra Heavy duty	600×600	≥5595	670	≥16797	≥ 33084	4498 3596

CALCIUM SULPHATE ACCESS FLOOR



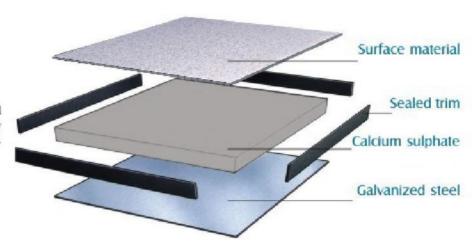
PVC SEALED PANEL

Size

600×600×30mm

Structure

Floor panel is encapsulated to provide full steel encasement, steel to be high quality galvanized steel sheet as top and bottom. High density calcium sulphate as the core.

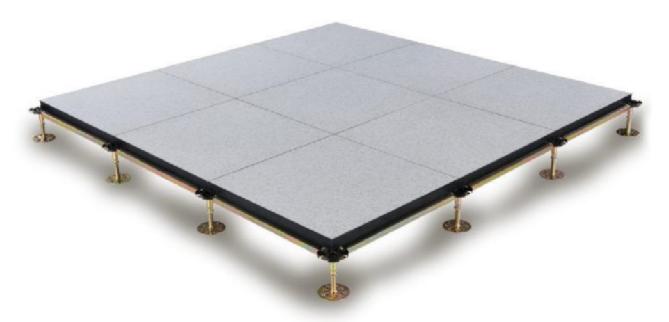


PVC panel

Floor consists of calcium sulphate core. Galvanized steel sheet/aluminum foil is bonded to the bottom. HPL or PVC is stuck to the top, four edges sealed with PVC edging strip.

Application

Anti-static calcium sulphate raised floor is widely used in telecommunication room, power station, computer room, factory clean room and other anti-static requiring places.



INORGANIC CEMENT FLOOR











INORGANIC CEMENT FLO



FRC access floor is made of silicate, inorganic fiber, mineral fiber, quartz sand, etc, once molded after high pressure.

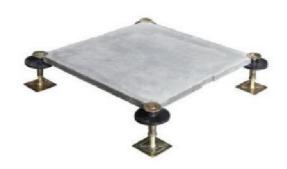
The panel has no volatile toxic chemicals and radiation, and can be decomposed completely. Its service time is the same as the building.

Each panel has hole for wires, four corners supported by pedestals, with no stringers.

Good flatness and solid feeling. Finishes can be laminate flooring, PVC, carpet, etc.

Туре	Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Rolling Load
International	mm	N	N	N	N/M	10 10000
Heavy duty	500 × 500×25	3000	3000	≥9000	≥ 12500	2215 1548
Extra Heavy duty	500 × 500×25	5000	5000	≥15000	≥ 28598	4121 3210

INORGANIC CEMENT FLOOR



INORGANIC CEMENT FLOOR

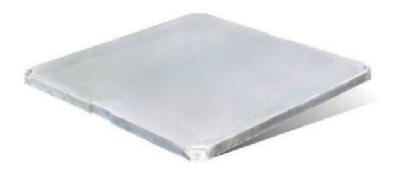




Feature



Full steel encasement and good sealing.
 Constituted by all steel sheet, good loading capacity.
 High dimension accuracy and excellent interchangeability.
 Water-proof, fire-proof, antisepsis and sound insulation.
 Elaborated made and good decorative effect.

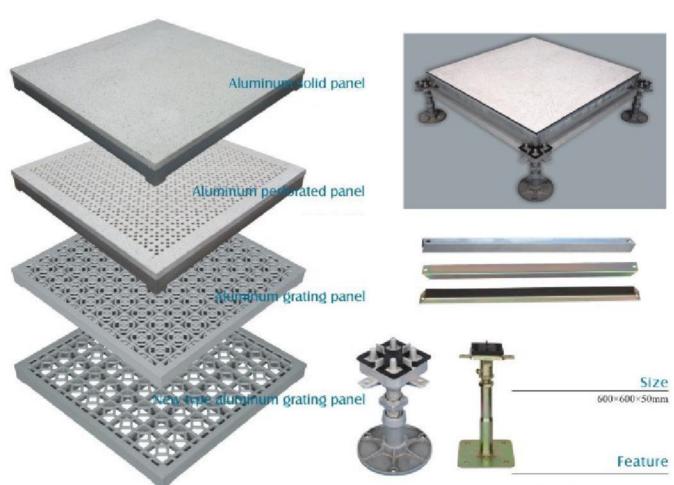




ALUMINUM ACCESS FLOOR







Aluminum access floor is die-casting with aluminum ingot which is light and anticorrosion. Aluminum access floor is widely used in the Aerospace Center, Military Command Headquarter, Data Center and Clean Room.

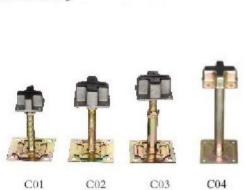
Ту	pe	Size	Concentrated	Impact Load	Ultimate Load	Uniform Load	Rolling Load
International	Material	mm	N	N	N	NW	10 10000
A1000	ACD-12	600×600	≥4498	670	≥13494	≥23294	3596 2959
A1500	ACD-12	600 × 600	≥6693	670	≥20090	≥42581	5595 4498

UNDER STRUCTURE



Stringers

Stringers provide lateral resistance to heavy rolling loads & seismic loading.



Cross head pedestal



Flat head pedestal

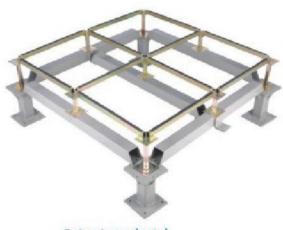


Round head pedestal

Finished flooring height (FFH)from 80mm to 2,000mm is available, with high loading strength.



Heavy pedestal



Seismic pedestal



Ramp pedestal



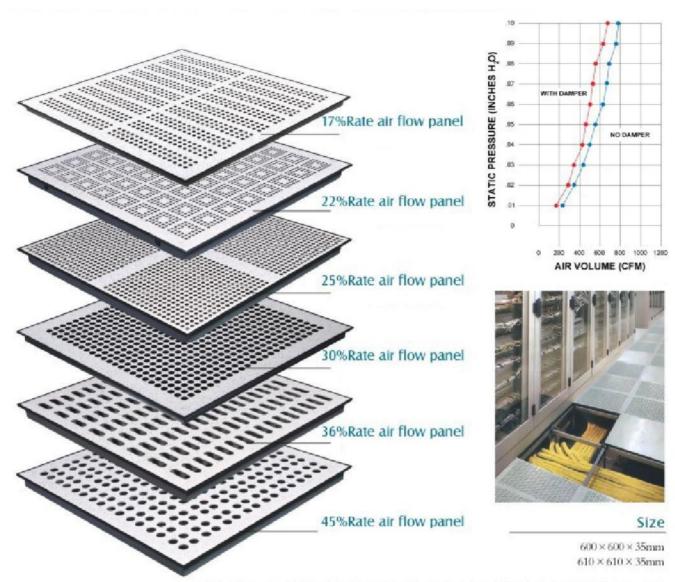
Bracing clamp

Ф38

AIR FLOW SYSTEM



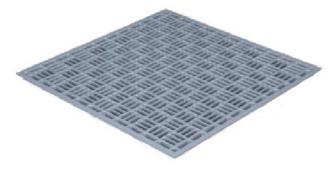




Steel perforated panel is specially designed to allow air flow through the access floor up to the equipment.

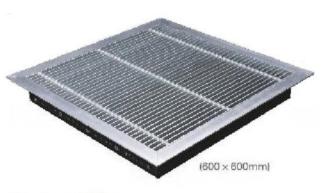
Feature

Provide superior cooling for managing heat loads in mission critical facilities. Available with top surface adjustable dampers. The steel perforated panels are same size and finish as the solid panel, so they are available with High Pressure Laminates, Vinyl and rubber floor coverings interchangeable with woodcore panel/calcium sulphate panel.





56% Openging Rate Die-Casting aluminum grate panel (interchangeable with steel panel)



Aluminum Grille





Air Diffuser





Sliding Damper



Round Damper



Opposite Open Damper (for aluminum grate panel and air grille)

AIR FLOW SYSTEM



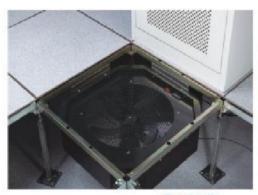




Temperature Control VAV damper

FLOOR underfloor temperature control VAV damper is used to provide sufficient air to accommodate the peak energy demands of the rack, resulting in wasted bypass air and over-cooling during all less than peak conditions. The damper measures the incoming air temperatures at the face of the rack and adjusts the VAV damper to control the air flow and ensure that the temperature at the face of the rack is never above the maximum allowable set point provided by the user.

Temperature Control Fan System



Fan Unit

FLOOR Air boosted Power Fan Unit is designed to provide a blast of cooling through an individual directional airflow panel. The temperature controlled fan units are available quad fan models. The fan has multiple control options to automatically turn on when conditions require additional cooling. This powerful solution is ideal for solving the toughest hot spots in a data center.

Performance Characteristics



· Installation can be carried out by IT staff

· Multiple control options for both models available

· VN - client sensor network

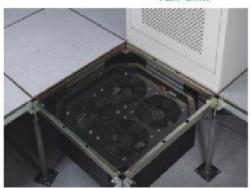
· High Precision, Quick Response Temperature Measurement

· User programmable set point

· Viewable Peak Temp for walkthrough check of each rack

· Infinitely variable fan speed from 0-100% for precise airflow control

· Easily installs into either 24" or 60cm raised floor systems



Four-Fan Unit

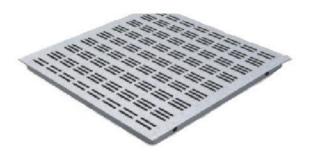
Product Overview

Directional Perforated Access Floor Panels to angle the air toward the equipment achieving a 93% Total Air Capture (TAC) rate by a standard server rack. This means 93% of the airflow delivered through the airflow panel is entering the face of the server rack, providing more capacity and energy efficiency of any other perforated airflow panel on the market.

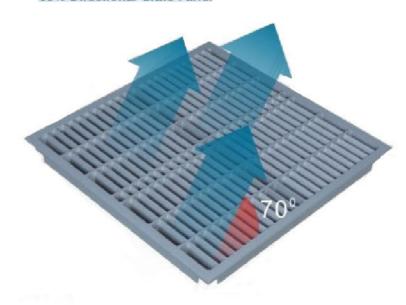


- 20% open area delivers 640m3/h at 25 Pa when installed without a damper.
- · Directional air flow achieves a 93% total air capture.
- · Cools over 8kW per rack.
- · Over 40% annual fan energy savings.
- · Reduces capital expenditures on cooling infrastructure by 40%.
- · Available in 3 concentrated load ratings 800, 1000 and 1250 lbs.
- · Easily integrates into an existing 24" raised floor system

20% Rate Directional Perforated Access Floor Panels



68% Directional Grate Panel



FLOORING ACCESSORIES @ & CE PSB Intertek sgs















extensive choices of accessories, including electrial boxes, grommets, panel lifters and air diffuser and so on.







Round brush grommet

Surface brush grommet

Split integral grommet



Diameter 15cm

Round Grommet



Diameter 19.5cm



Square Grommet



Integral grommet



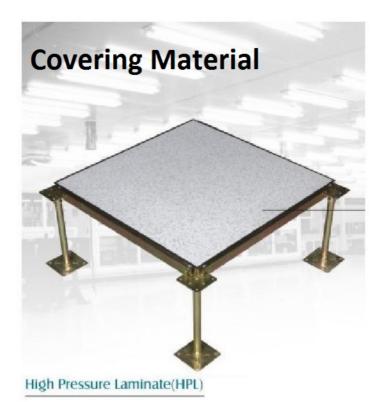
Single/Double cup lifter

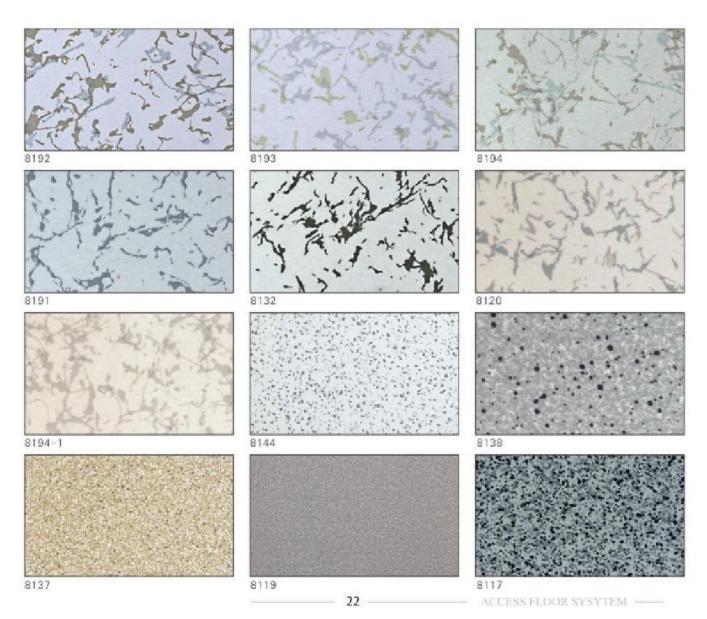


Outlet box B



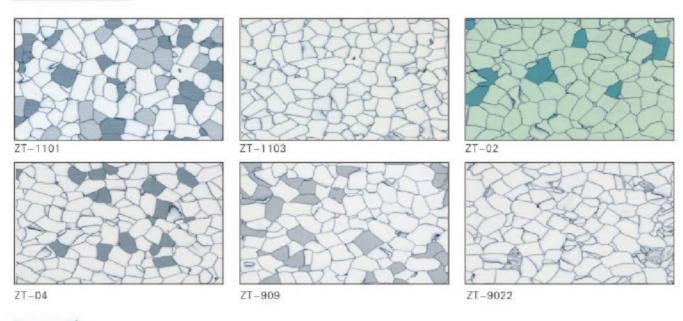
Outlet box C





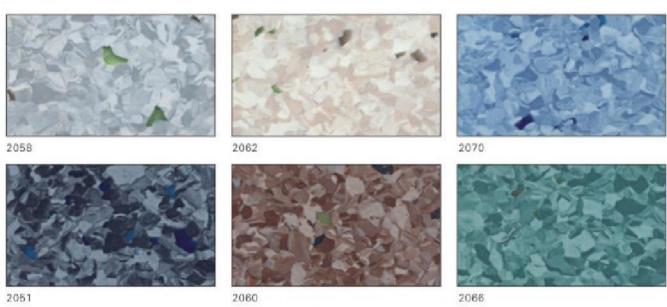
Covering Material

Conductive PVC tile



Ceramic tile





Covering Material



Comparison of Different Panel

Performar	nce	Steel cement panel*	Steel hollow panel	Woodcore panel	Calcium Sulphate panel	Die-casting aluminum pane
Ultimate lo	ad	А	В	С	D	Е
Safety facto	or	А	В	С	D	E
Overload p	rotection	А	В	С	D	E
Fire rating		А	В	Е	Α	E
Panel size		В	В	В	В	А
Panel weig	ht(bare fisish)	С	A	А	E	А
Bare panel	sound insulation	С	С	В	А	E
Walking fee	eling	A	В	А	А	8
Recycled o	ontent	В	В	D	Α	E
"Support fo	r Green building certificate	В	В	D	А	E
Cost efficie	ency	А	D	D	В	E
Cutting eas	se and cost	В	A	A	Е	С
	Office	A	В	А	Α	E
	Data center	A	В	D	В	В
Application	Education	А	D	A	В	E
	Casino	А	E	D	А	В
	Industrial cleanroom	В	E	E	E	А
	Library	A	С	В	А	E