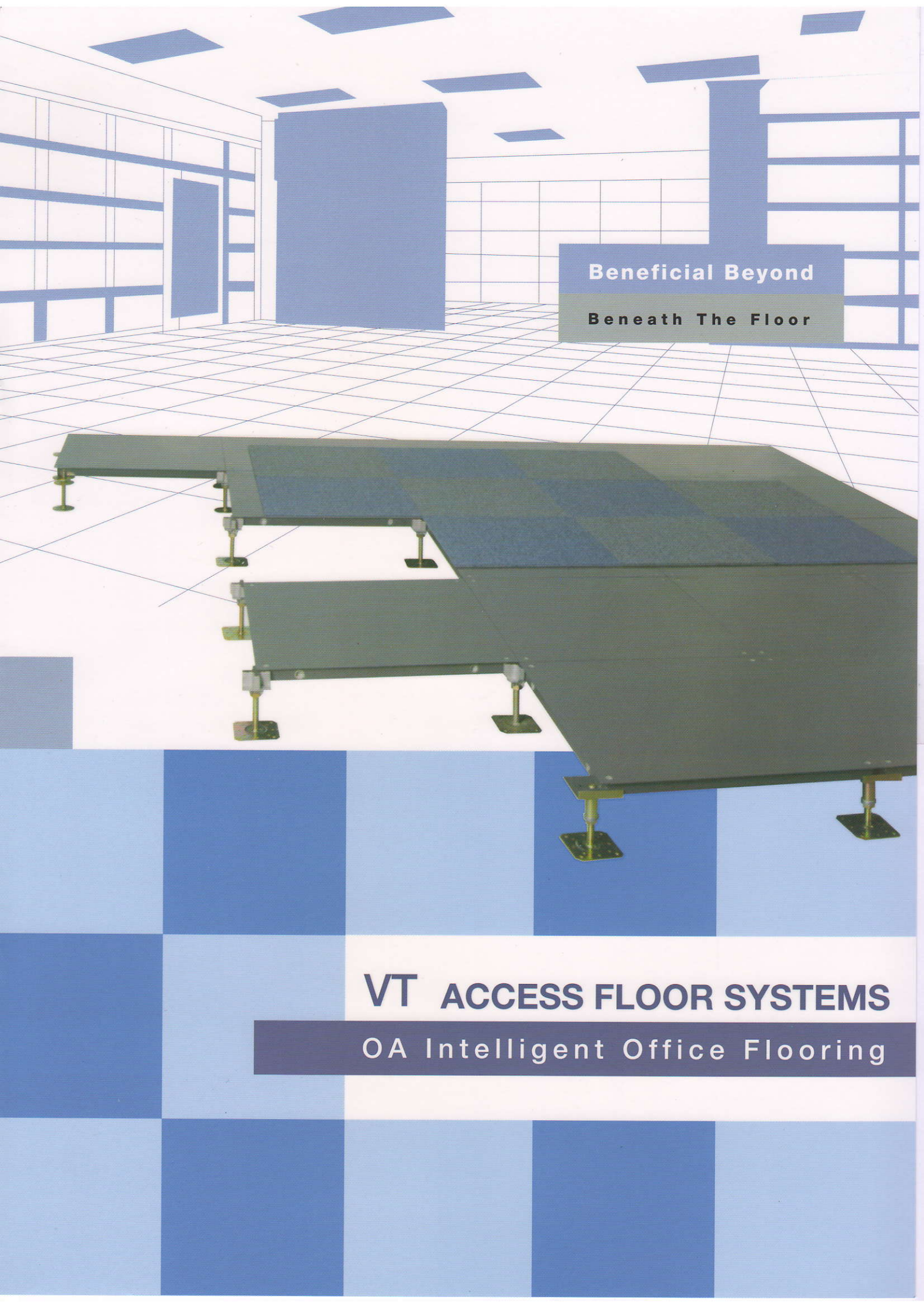




Beneficial Beyond

Beneath The Floor

VT ACCESS FLOOR SYSTEMS

OA Intelligent Office Flooring

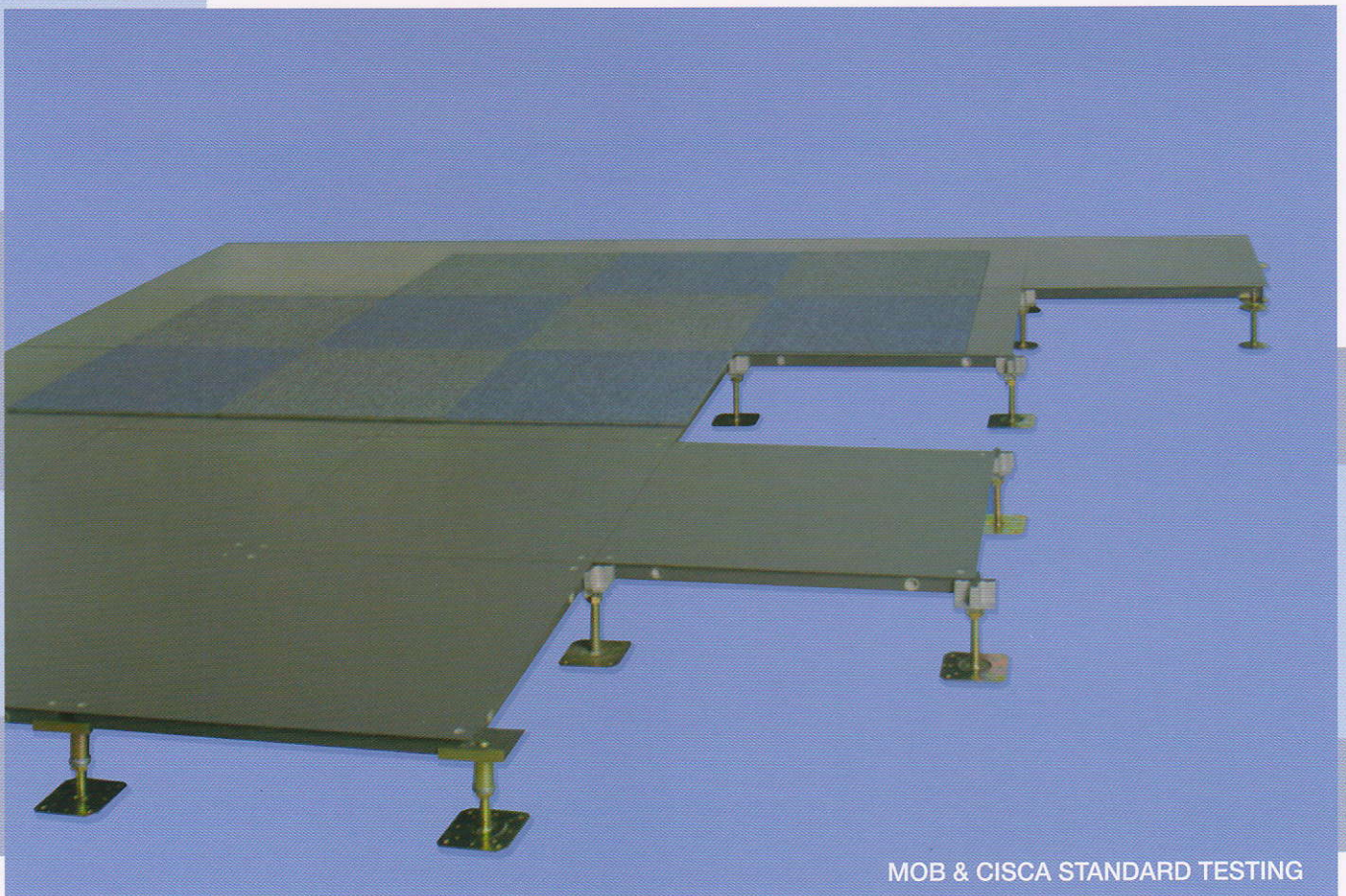
VT Access Floor Systems

What is... the VT Access Floor Systems

The VT Access Floor consists of nominal 600X600 mm modular panel with steel sheets, welded construction filled with light weight cement to provide a strong structure and support on the adjustable pedestal.

The space between the raised floor to slab is approximately 80 mm to 1000 mm to allow you to run any of your building services, including electric power, data telecom/voice, environmental control and temperature control, fire detection etc.

Moreover, this access floor system also provides you the quick access to services for relocation, expansion and upgrade of office environment. The panel can be moved easily with the panel lifter.



MOB & CISCA STANDARD TESTING

TYPE: Bare Panel Cover with carpet tile, FFH : 80-200 mm

OA Intelligent Systems



Creating an efficient intelligent office

VT Access Floor can be used in many applications such as

- Factory office/ R&D
- General office
- Data Center
- Library
- Cleanroom
- Lab room
- Computer room
- Hospital
- Classroom
- Training Center

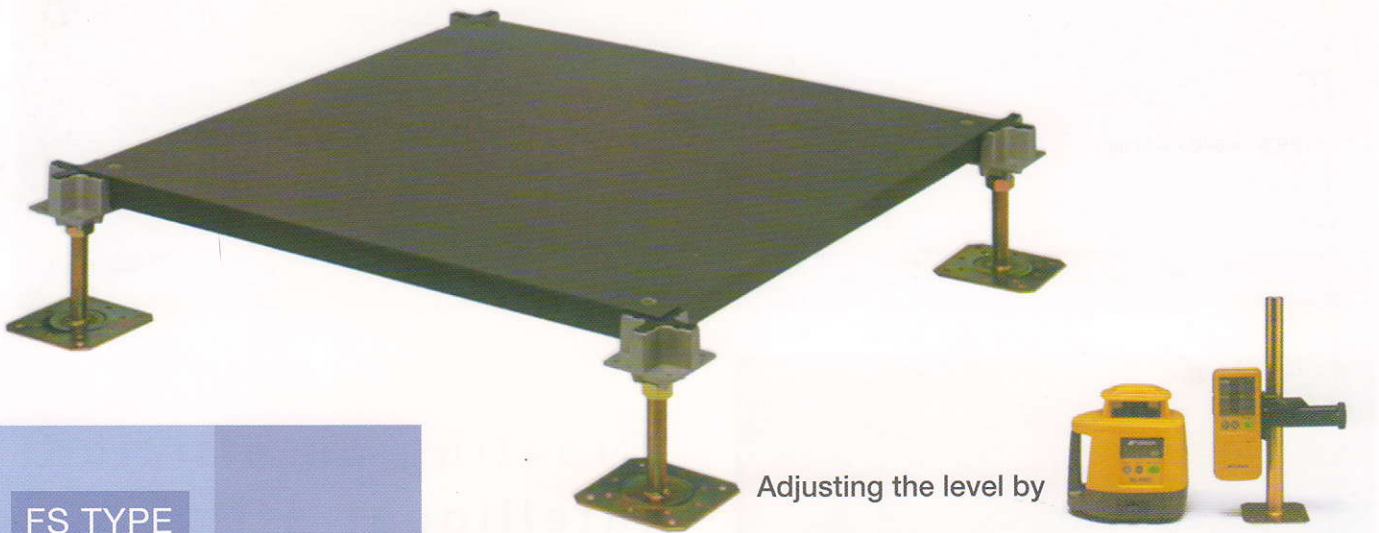
This OA intelligent and innovatory system has been designed to meet all of the requirements for modern offices' needs.



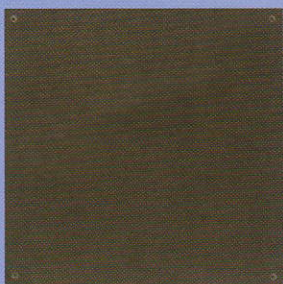
BARE TYPE

It is designed specifically for office flooring. Panels will be placed on aluminium head without screws. (free standing support system) Bare panels can be covered with both Carpet Tile or PVC Tile. There are two types,

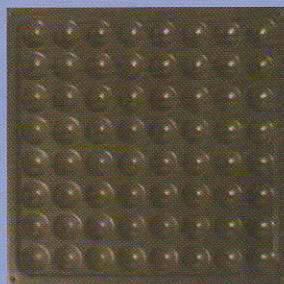
- FS Type size 600x600 mm, in case of covering with PVC Tile, the panel can be stuck with PVC Edge Trim to protect the PVC Tile and neat. After stick the PVC Edge Trim, the size of panel remains 600x600 mm as normal.
- ZT Type size 500x500 mm, ZT 501 Solid and ZT 502 Wiring Panel It is the pre-cut panel comes with the two plastic caps.



FS TYPE



Panel Surface (600x600 mm)

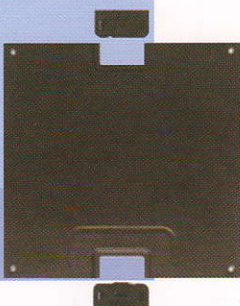


Panel Bottom (600x600 mm)

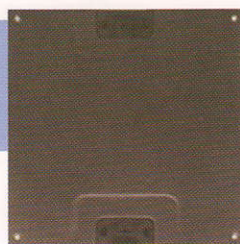


Panel Section (Cementitious infill)

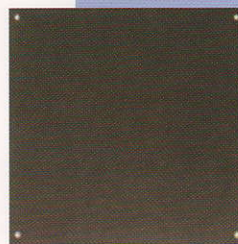
ZT TYPE



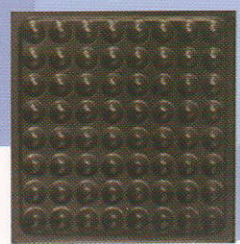
Wiring Panel Surface (500x500 mm)



Wiring Panel Surface (500x500 mm)

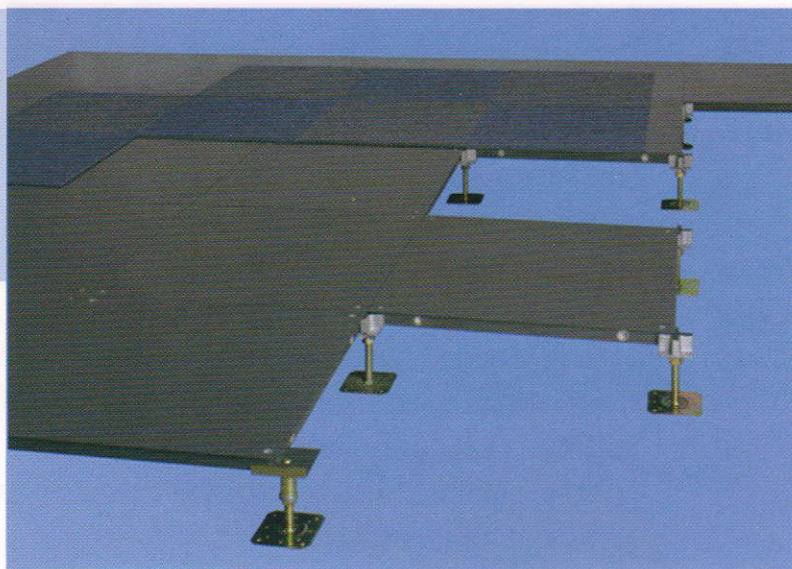


Solid Panel Surface (500x500 mm)

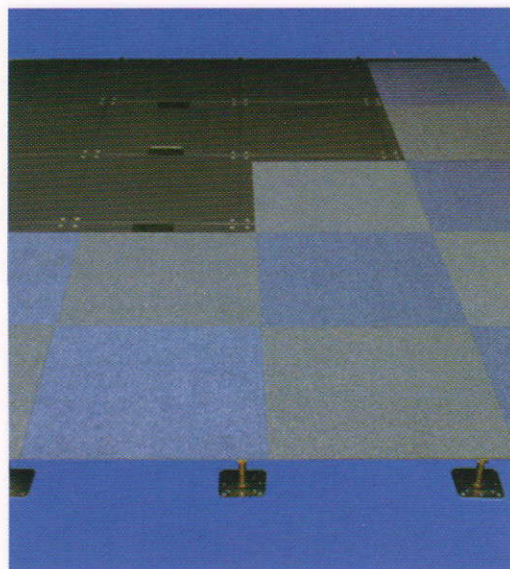


Solid Panel Bottom (500x500 mm)

OA Intelligent Systems



FS TYPE Size 600 x 600 mm



ZT TYPE Size 500 x 500 mm

The Finished Floor Height (FFH) of the systems can be raised from 80 mm-1,000 mm or depending on customer's need. The understructure has been designed for appropriate height and loading performance, to comply with the various customer requirements. (see more details of understructure on page 10)

Specification & Loading

FS Type	Size	Concentrated Load			Impact Load	Ultimated Load	Uniform Load	N Rolling Load	
	mm	LB	N	KG	N	N	N/M ²	10	10,000
FS 800	600 x 600 x 30								
	600 x 600 x 35	≥ 800	≥ 3550	≥ 363	670	≥ 14680	≥ 12000	3560	2670
	610 x 610 x 35								
FS 1000	600 x 600 x 35	≥ 1000	≥ 4450	≥ 453	670	≥ 16900	≥ 15500	4450	3560
	610 x 610 x 35								
FS 1250	600 x 600 x 35	≥ 1250	≥ 5550	≥ 567	670	≥ 22240	≥ 17780	5560	4450
	610 x 610 x 35								
FS 1500	600 x 600 x 35	≥ 1500	≥ 6660	≥ 680	780	≥ 26690	≥ 23110	6670	5560
	610 x 610 x 35								

ZT Type	Size	Concentrated Load			Impact Load	Ultimated Load	Uniform Load	N Rolling Load	
	mm	LB	N	KG	N	N	N/M ²	10	10,000
ZT 668	500 x 500 x 28	≥ 668	≥ 2990	≥ 305	-	-	≥ 6700	-	-
ZT 800	500 x 500 x 28	≥ 800	≥ 3550	≥ 363	-	-	≥ 8000	-	-
ZT 1000	500 x 500 x 28	≥ 1000	≥ 4440	≥ 453	-	-	≥ 11970	-	-

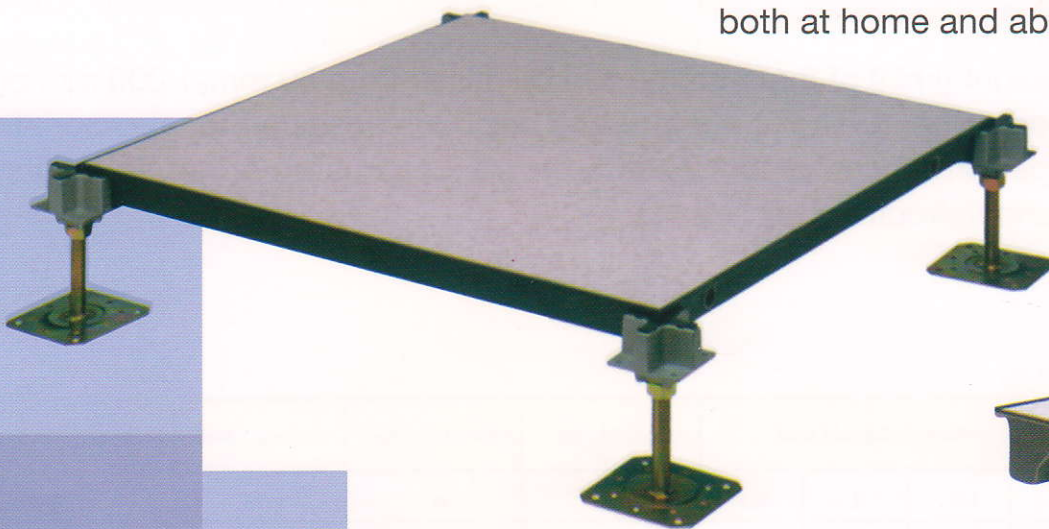
HPL TYPE

The anti-static steel access panel is mainly used for large computer room, communication center, electrical control room, post and telecommunication center. In view of the loading capacity, it can be divided into light, medium, heavy and extra-heavy type. They can sustain the load of 668lbs, 1000lbs, 1250lbs to over 1500lbs individually. Its size is 600 mm and 610 mm.

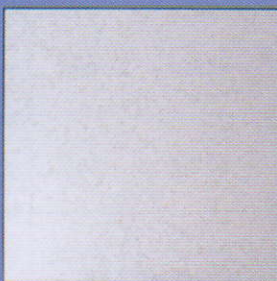
According to the requirements for the machine room, it can be divided into steel access panel filled with cementitious and perforated panels. The later can be equipped with damper to adjust temperature and the amount of ventilation.

Our factory utilizes superior equipment. It is mainly used for the production of qualified steel panel with the loading capacity of 668lbs to 2000lbs of perforated panels. These products are exported to other countries and regions.

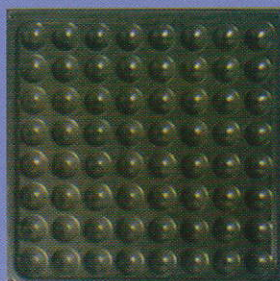
Installation of the products has given our company reputable by our satisfied both at home and abroad.



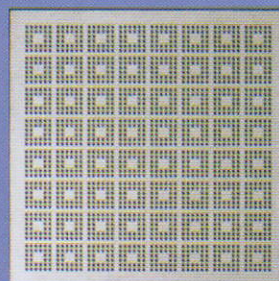
Panel Section (Cementitious infill)



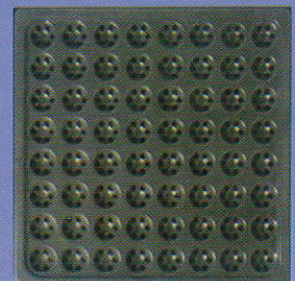
Panel Surface (600x600 mm)



Bottom Panel



Perforated Panel (600x600 mm)

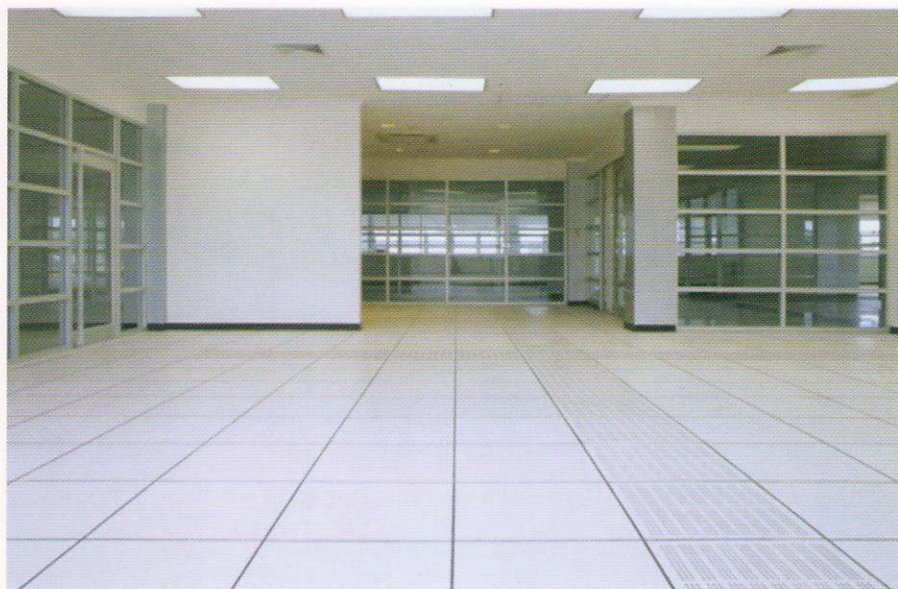
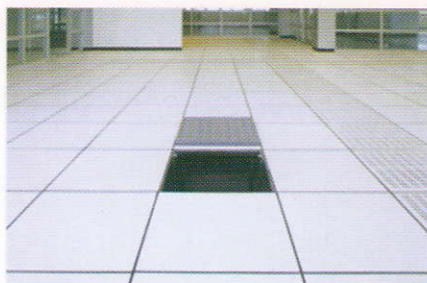


Bottom Perforated Panel

Adjusting the level by



OA Intelligent Systems



The Finished Floor Height (FFH) of the systems can be raised from 80 mm-1,000 mm or depending on customer's need. The understructure has been designed for appropriate height and loading performance to comply with various customer's requirements. (see more details of understructure on page 10)



Specification & Loading

TYPE	Size	Concentrated Load			Impact Load	Ultimated Load	Uniform Load	N Rolling Load	
	mm	LB	N	KG	N	N	N/M ²	10	10,000
FS 800	600 x 600 x 30								
	600 x 600 x 35	≥ 800	≥ 3550	≥ 363	670	≥ 14680	≥ 12000	3560	2670
	610 x 610 x 35								
FS 1000	600 x 600 x 35	≥ 1000	≥ 4450	≥ 453	670	≥ 16900	≥ 15500	4450	3560
	610 x 610 x 35								
FS 1250	600 x 600 x 35	≥ 1250	≥ 5550	≥ 567	670	≥ 22240	≥ 17780	5560	4450
	610 x 610 x 35								
FS 1500	600 x 600 x 35	≥ 1500	≥ 6660	≥ 680	780	≥ 26690	≥ 23110	6670	5560
	610 x 610 x 35								

Solid Die - Casting Aluminum Panel

The Aluminum Panels are also provided. Both solid and perforated panels. The understructure can be Aluminum and steel. This kind of panel is actually used at cleanroom it can be covered with High Pressure Laminate (HPL) or Conductive Tile.

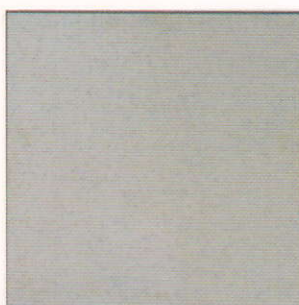
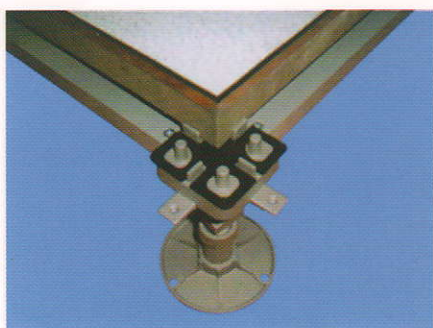
Al.Raised floor panels are die-casting with aluminum ingot, which are light and handy and with strong anticorrosion.

Al.Raised floor panels is designed with construction theory, which breaks through traditional thought and is with stronger loading performance.

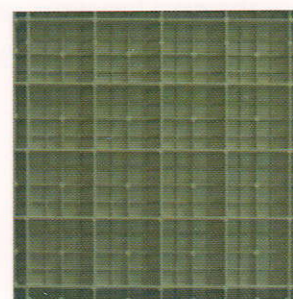
In order to meet various needs of clean room, we can supply 20% open-ratio perforated panel or 50% open-ratio grating panel. Pedestal tube is designed with rib inside. Hence, 75cm high pedestal can reach 6,500kgs axial loading to meet tendency of high loading.

Double stringers are provided, not only to enhance earthquakeproof property, but also is used as cable tray.

Outlet cover which wiring path is adjustable. Its aperture is managed flexibly and easily too.



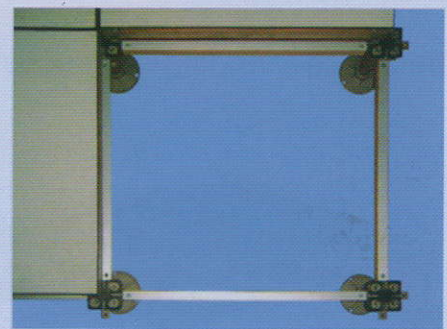
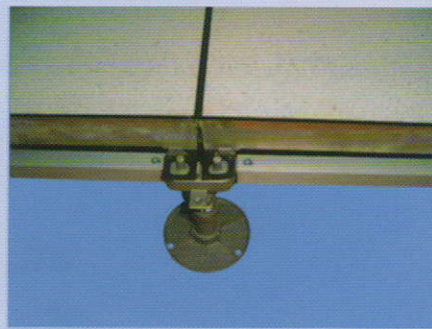
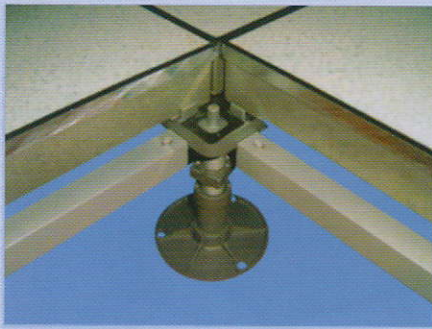
Solid Panel (600x600 mm)



Solid Bottom

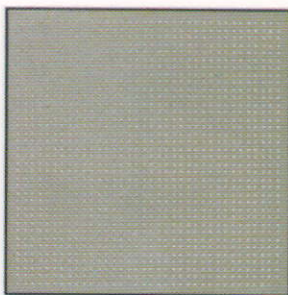
GRADE	KINDS	SIZE(TILE)	Perforated Hole Size	Open Ratio(%)	Concentrated load(kgf/lb.f)	Ultimate load (kgf/lb.f)	Rolling Beam deflection(mm)
HDL300	Blind Perforated	600x600x32(2.0)	Φ9.0x1024(1280) Φ9.5x1024(1280) Φ10.0x1024(1280) Φ10.5x1024(1280) Φ11.0x1024(1280)	18.09(22.61) 20.15(25.19) 22.33(27.91) 24.62(30.78) 27.02(33.77)	310(683)	904(1993)	0.015
	Grating	600x600x50		50	765(1687)	1920(4233)	
HDL500	Blind Perforated	600x600x52(2.0)	Φ9.0x1024(1280) Φ9.5x1024(1280) Φ10.0x1024(1280) Φ10.5x1024(1280) Φ11.0x1024(1280)	18.09(22.61) 20.15(25.19) 22.33(27.91) 24.62(30.78) 27.02(33.77)	675(1488)	1438(3170)	0.013
	Grating	600x600x50		50	885(1951)	2380(5246)	
HDL700	Blind Perforated	600x600x52(2.0)	Φ9.0x1024(1280) Φ9.5x1024(1280) Φ10.0x1024(1280) Φ10.5x1024(1280) Φ11.0x1024(1280)	18.09(22.61) 20.15(25.19) 22.33(27.91) 24.62(30.78) 27.02(33.77)	890(1962)	2230(4916)	0.016
	Grating	600x600x50		50	885(1951)	2380(5246)	

Perforated Die - Casting Aluminum Panel

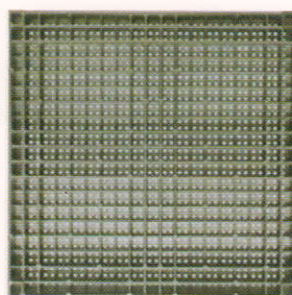


Perforated Panel/Grating Panel

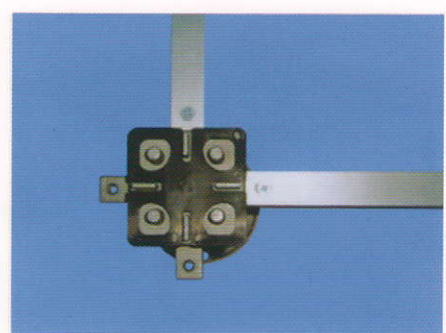
Supply aluminium raised floor panel with epoxy coating, anodizing or nickel-chrome plating as your specially require.



Perforated Panel (600x600 mm)



Perforated Bottom Panel



Specification

GRADE	KINDS	SIZE(TILE)	Perforated Hole Size	Open Ratio(%)	Concentrated load(kgf/lb.f)	Ultimate load (kgf/lb.f)	Rolling Beam deflection(mm)
HDL1000	Blind Perforated	600x600x52(2.0)	Φ9.0x1024(1280) Φ9.5x1024(1280) Φ10.0x1024(1280) Φ10.5x1024(1280) Φ11.0x1024(1280)	18.09(22.61) 20.15(25.19) 22.33(27.91) 24.62(30.78) 27.02(33.77)	1150(2535)	2450(5401)	0.014
HDL1200	Blind Perforated	600x600x52(2.0)	Φ9.0x1024(1280) Φ9.5x1024(1280) Φ10.0x1024(1280) Φ10.5x1024(1280) Φ11.0x1024(1280)	18.09(22.61) 20.15(25.19) 22.33(27.91) 24.62(30.78) 27.02(33.77)	1340(2954)	2800(6172)	0.016
HDL1500	Blind Perforated	600x600x52(2.0)	Φ9.0x1024(1280) Φ9.5x1024(1280) Φ10.0x1024(1280) Φ10.5x1024(1280) Φ11.0x1024(1280)	18.09(22.61) 20.15(25.19) 22.33(27.91) 24.62(30.78) 27.02(33.77)	1760(3880)	2915(6426)	0.012

Over 100,000 sqm that we have installed the Al.panel with our highly skilled installers who have a long experience in several projects. Moreover, we have a lot of laser adjusting equipments installation teams and other installation tools. They can ensure that the jobs will be done quickly, neatly and especially finished in time.

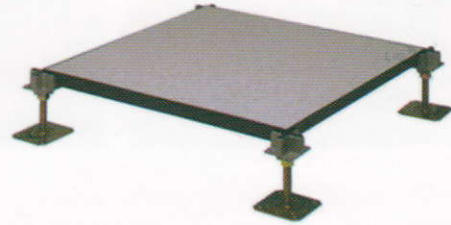
Understructure Systems

Free Standing Support System

These free standing pedestals allow quick, easy access to services in under floor space.



BARE Panel corner lock without screw
Finished floor height (FFH) 300-1000 mm



HPL Panel corner lock system without screw
Finished floor height (FFH) 300-1000 mm

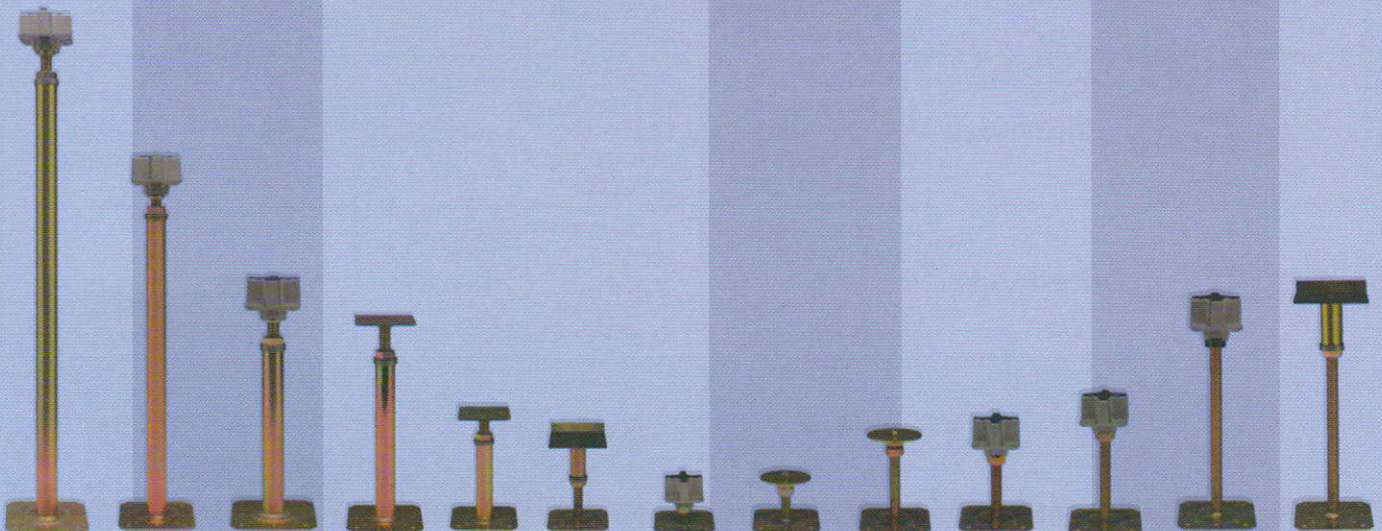


BARE Panel
Finished floor height (FFH) 300-1000 mm



HPL Panel
Finished floor height (FFH) 300-1000 mm

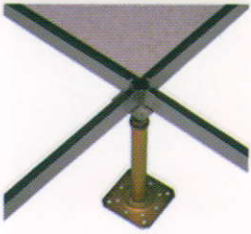
All pedestal types (1800 Kgs up to 3500 Kgs loading)



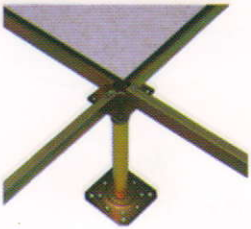
Understructure Systems

Stringer support System

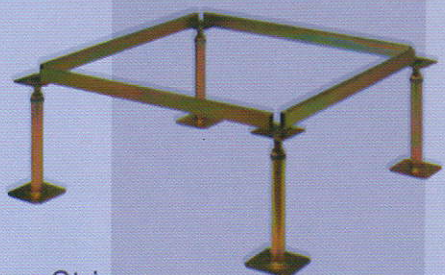
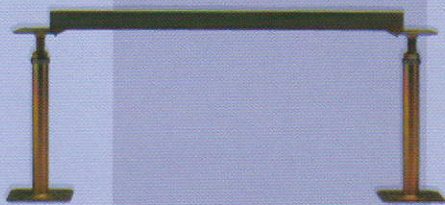
Both snap on stringer and bolted on stringer are provided to meet the better stability systems at FFH : 300 mm up to 1000 mm (or over).



Rigid Grid Snap on Stringer System (without screw)



Bolted on Stringer System (with screw)



Bolted on Stringer



Snap on Stringer

Floor Covering

High Pressure Laminate (HPL)

Thickness 1.6 mm



Number : 2103



Number : 2158



Number : 2192
(standard colour)

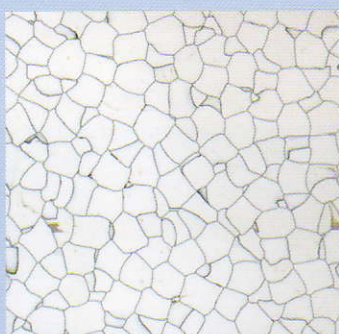
Item	Surface Resistivity	Volume Resistivity	Anti-wearing Data	Combustion Properties
Standard HPL	$5 \times 10^6 \times 5 \times 10^{10}$ ohms	$5 \times 10^6 \times 5 \times 10^{10}$ ohms	3000 turns	F1

PVC Static Control Flooring

VTG PVC Static Conductive Floor Tiles ($10^4 - 10^6 \Omega$)

VTG PVC Static Dissipative Floor Tiles ($10^6 - 10^8 \Omega$), Anti-Static Floor Tile ($10^6 - 10^9 \Omega$)

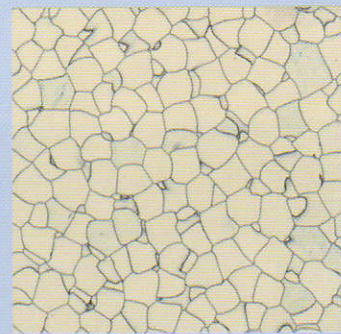
Size : 600 x 600 mm. Thickness : 2.0 mm, 3.0 mm Asbestos Free



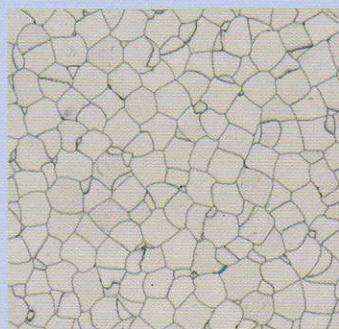
Number : VTG01



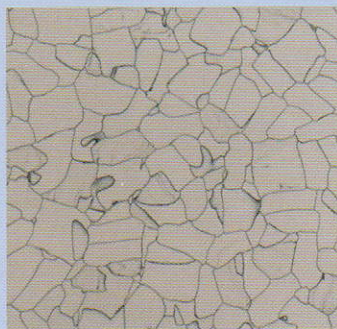
Number : VTG02



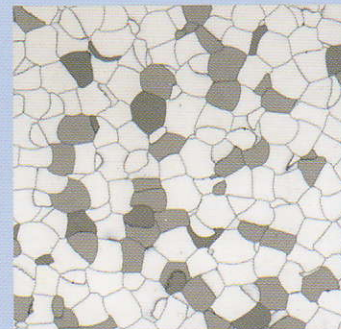
Number : VTG03



Number : VTG04



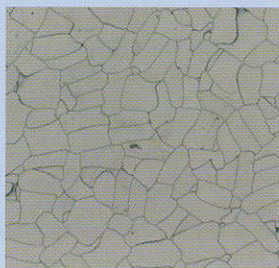
Number : VTG06



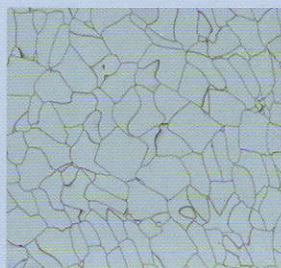
Number : VTG011

Floor Covering

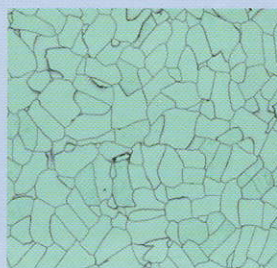
PVC Static Control Flooring



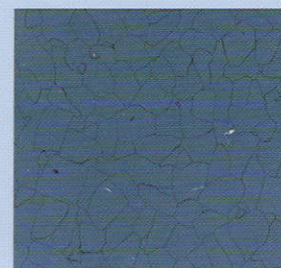
Number : VTG07



Number : VTG08 .



Number : VTG09



Number : VTG10

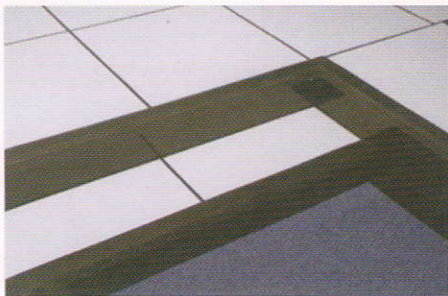
Job Reference



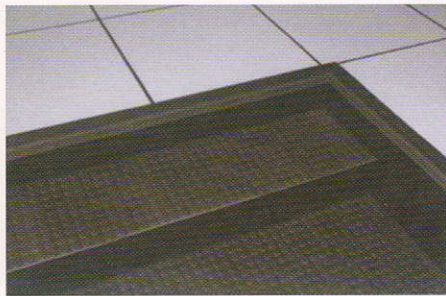
Accessories

Benefits of Underfloor Service Distribution

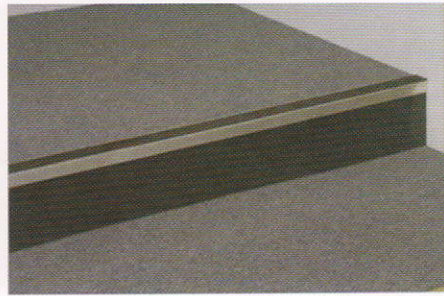
We have provided all accessories for all requirements as shown below.



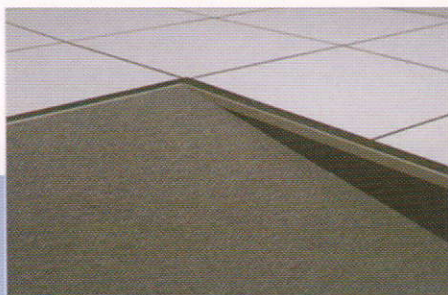
Step made by Raised Floor Panel



Steel Step cover with non-slip rubber



Steel Surb



Steel Ramp cover with capet tile



Steel Ramp cover with non-slip rubber



Automatical Laser Leveling



Single Cup Panel Lifter



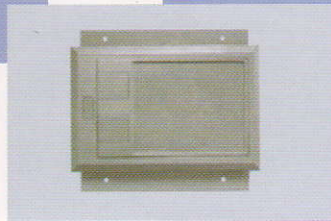
Panel Lifter



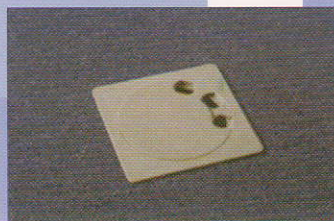
Double Cup Panel Lifter



Floor outlet Box



Floor outlet Box



Square Grommet



Small Grommet

Major Job Reference

Over 15 years that we have been supplying and installing the access floor in Thailand and other countries such as Laos, Cambodia, Kenya, Vietnam and Pakistan.

We have done many kinds of major project. The lists below are some of our project references.

Office Building

Item	Project	Building/Place	Area / sqm.	Item	Project	Building/Place	Area / sqm.
1	Athenee Tower	Athenee Tower	19,250	6	Krungthai Axa	Italthai	2,810
2	Lotus New Office	Sukapiban 2	10,000	7	Tipco	Tipco Tower	2,000
3	Nestle Head Office	Central World	9,500	8	Finansa	Tipco Tower	1,200
4	Reuters	UCL Bldg.	6,000	9	Japan Embassy	Kenya.	1,215
5	Sumimoto Bank	Lumpinee Tower	4,000	10	Japan Embassy	Laos	1,120

Computer Room & Server Room

Item	Project	Building/Place	Area / sqm.	Item	Project	Building/Place	Area / sqm.
1	ABAC University	Bangna	2,500	6	Siam Kobota	Nawanakorn	700
2	Thammasart University	Rangsit	2,200	7	Vietel	Vietnam	606
3	Rajabhat U. of Nakornrachasima	Korat	1,800	8	U.of Thai Chamber & Commerce	Dindaeng	463
4	Rajabhat U. of Nakornsawan	Nakornsawan	1,200	9	Suansunanta University	Bangkok	290
5	Sima Technology	Korat	969	10	Hoya	Rangsit	268

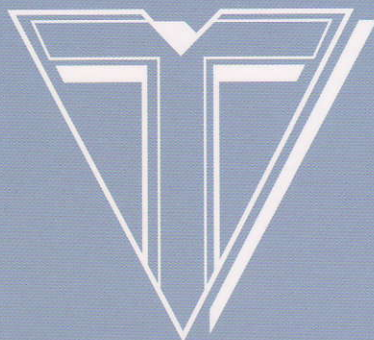
Factory

Item	Project	Building/Place	Area / sqm.	Item	Project	Building/Place	Area / sqm.
1	Toyota TMAP-EM	Bang-bor	15,000	6	Toyota	Bannpho	2,600
2	Honda R&D	Ladkrabang	7,070	7	NHK DDS & N3	Welt Grow	2,454
3	Bridgestone	Amatanakorn	6,894	8	Sony (STT)	Bannpho	1,500
4	Toyota Training Center	Bang-bor	4,645	9	DENSO New Office	Amatanakorn	1,450
5	Western Digital (WD)	Bangpa-in	4,000	10	Rohm	Nawanakorn	930

Cleanroom Project (Installation Only)

Item	Project	Building/Place	Area / sqm.	Item	Project	Building/Place	Area / sqm.
1	WD New Factory	Bangpa-in	9,800	6	Shin Ed-Shu	Nawanakorn	1,117
2	Nidec	Rojana	6,894	7	Hitachi	Kabinburee	900
3	Seagate	Korat	1,800	8	Nitto	Rojana	800
4	JVC	Nawanakorn	1,700	9	Seiko	Nawanakorn	500
5	IME	Kabinburee	1,656	10	Oki	Rojana	280

With the highly skilled and expert installers we can guarantee that the job will be neat and completed on time.



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