

ACCESS FLOOR SYSTEMS



Committed to quality products
and customer services

Specialized in access flooring

HPL PANEL

BARE PANEL

WOODCORE FLOORING

CALCORE FLOORING

ALUMINIUM FLOORING



Tel: +603 - 8061 0655

Fax: +603 - 8061 1655

<http://www.ktsfloors.com/>

Email: info@ktsfloors.com



Supply environmentally friendly products



What is access floor?

Raised Access Flooring is a system of interchangeable floor panels, supported by a series of pedestals and stringers, which raise the finished floor above slab level to a predetermined height. The cavity beneath the system facilitates under-floor modular cabling, wiring and/or air delivery.



Construction sites



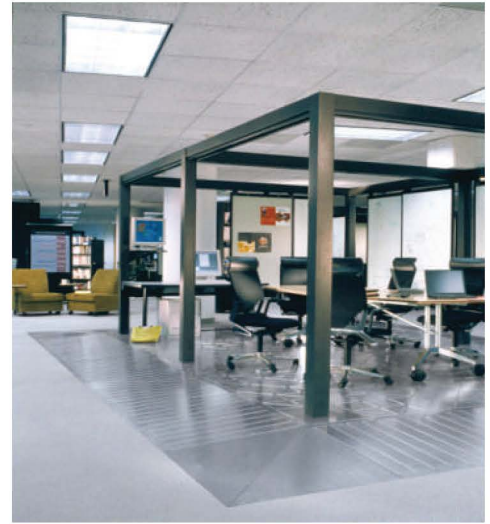
The KTS management team has put their individual experience and expertise into the design, manufacture and distribution of unique products.

KTS are extending our flooring products and services to many countries like Vietnam, Indonesia, Pakistan

■ KTS Flooring Systems (M) Sdn Bhd

Service

With many years of experience around the construction industry, KTS is committed to being part of the solution. KTS raised access floor systems are designed to meeting the functional requirement of intelligent office buildings, server rooms, computer rooms, clean rooms and all forms of research and telecommunication centers. Through continuous research and development, KTS has successfully develop individual access floor panel under its own brand name "KTS"



History and Development

KTS' history is steeped in access floor design, manufacturing and installations experience. KTS is a partnership which brought together industry executives with a combined experience specifically in the manufacture, sale and installation of access floor over 20 years.

As the most rapidly growing raised access floor company in Malaysia, our production centre is always improving the design, manufacture and technology. Our products undergo extensive testing and a thorough quality control program.



HPL PANEL (High Pressure Laminate)

Anti-static access floor

Materials

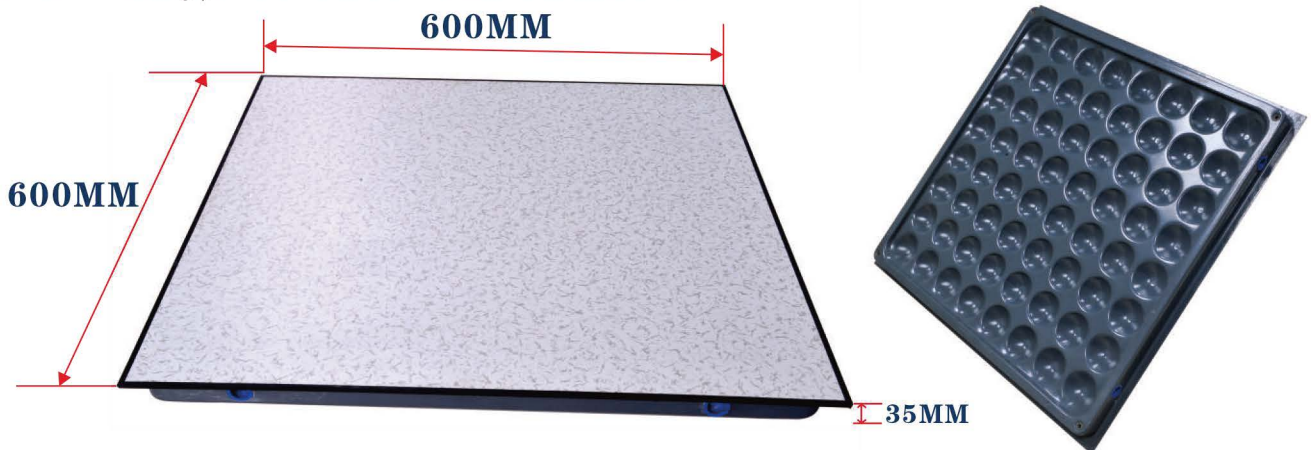
The panel is made of good quality cold-rolled steel sheets, which are punched, spot-welded, coated with epoxy powder after with foamed cement. The top steel sheet of the panel is stuck with high anti-wear and fireproof HPL or conductive PVC tile. The borders of the panel are trimmed with conductive PVC edges.

Application

The anti-static steel access panel is mainly used for computer room, communication center, electrical control room, post and telecommunication center, clean workshop, class room.

Feature

- 1) Constituted by all-steel, high mechanic strength and loading capacity, excellent fore-proof;
- 2) Surface was coated with static epoxy powder, light gloss, anti-wear and anticorrosion;
- 3) Stuck by decorated high - pressure laminated panel, superior in anti-wear and anti-static to the dirty ,easy to clean and excellent decorative appearance;
- 4) High dimension accuracy, excellent interchangeability, easy to install and disassembly, convenient to maintenance.



Specifications

According to the American CISC standard

Type	Grade	Static Loadings				Dynamic Loadings		Impact Load (KN)	Ultimate Load(KN)
		Concentrated load			Uniform Load	Rolling Load(N)			
		Lbs	KN	KG	KN/M2	10 Passes	10.000Passes		
TS800	Medium	800	3.6	363	12	3560	2670	0.5	14.68
TS1000	Heavy Duty	1000	4.5	454	13	4450	3560	0.5	16.90
TS1250	Extra Heavy	1250	5.5	568	14	5560	4450	0.6	22.24
TS1500	Heavy Grade	1500	6.7	681	16	6670	5560	0.6	26.69

*610X 610 panels are available.

■ BARE PANEL

Application

Dust-proof and water - proof, carpet or PVC surface for intelligence office building, meeting room, audio-visual teaching room.

Flooring components

TS-600 net floor is made of good quality cold-rolled steel sheets, which are punched, spot-welded, coat with epoxy powder after has been phosphoresced. Inside of the panel is filled with foamed cement. The borders of the panel are trimmed with corner-lock, with the characteristic: high flexible wire system, convenient for connecting wire at any point without cutting floor.

Quality control

After welding, each KTS panel is put into a flattening press and checked for flatness, in order to guarantee a super flat panel.



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According to the American CISC standard

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Woodcore Flooring

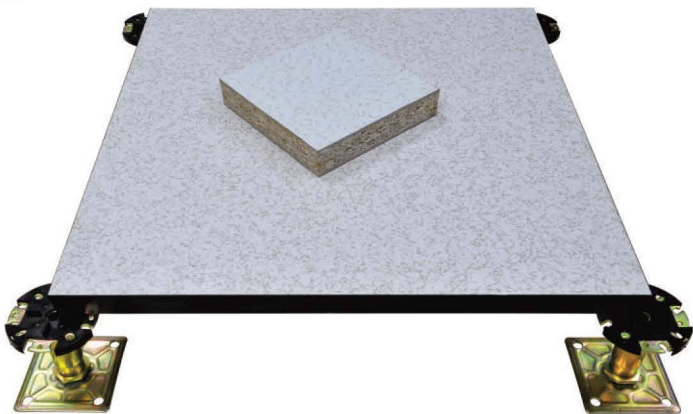
Wood core panel

woodcore panel is widely used in high – grade rooms, such as banks, telecommunication centers, smart offices and large computer rooms. **Feature:** lightweight and high load capacity, elaborated made, good performance with water proof, rot proof, sound insulation and conductivity.



Woodcore Antistatic Floor

Structure: high quality galvanized steel sheet as the bottom high density flake board as the core material, HPL or PVC as the top, conductive PVC as the four sides.



Type	Size	Concentrated load KG	Ultimate load KN	Uniform load KN/M ²
Woodcore floor TS800	600X600X30	360	11.5	≥14.5
Woodcore floor TS1000	600X600X40	500	14.5	≥22.5

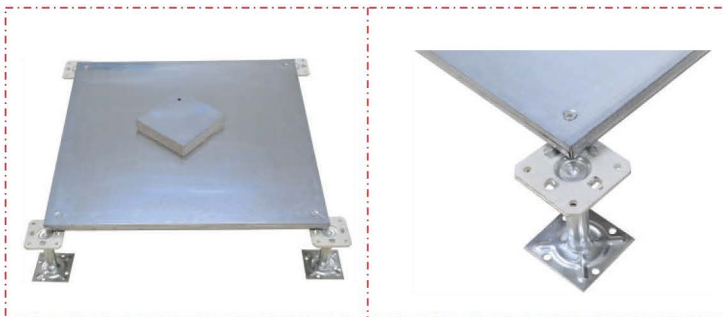
Application

Calcore panel is widely used in high - grade rooms, such as banks, telecommunication centers, smart offices and large computer rooms.

■ Calcore Flooring

Feature

- 1) High load capacity and good antistatic performance,
- 2) Environmental protecting, waterproof, fire proof, rot proof
- 3) Being stable to changes in humidity and temperature.



Calcore Net Floor

Structure: KTS calcore net panel is encapsulated to provide steel encasement, with high quality galvanized steel sheets as the top and bottom, high density calcium sulphate board as the core material.

Calcore Antistatic Floor

Structure: high quality galvanized steel sheet as the bottom high density calcium sulphate as the core material, HPL or PVC as the top, conductive PVC as the four sides.



Type	Size	Concentrated load KG	Ultimate load KN	Uniform load KM/M ²
Calcore net floor	600X600X30	400	12.5	≥ 14.5
Calcore antistatic floor	600X600X30	500	14.5	≥ 16.5

Perforated panels are of accurate size and thickness, interchangeable with steel access floor panels, woodcore panels or calcium sulphate core panels. Specially designed and well manufactured damper is also available for perforated panels

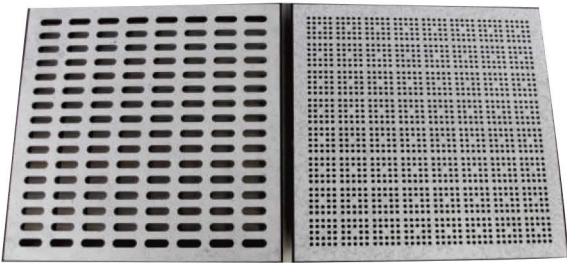


Damper

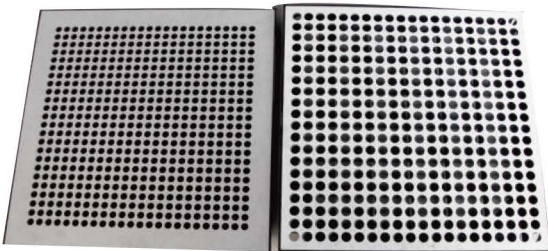
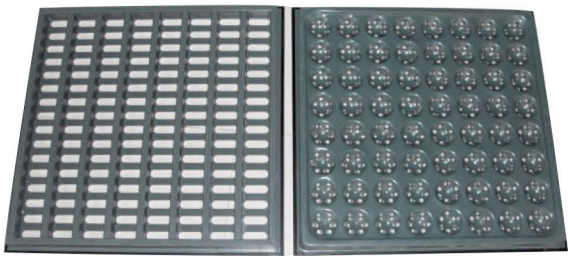
Perforated Panel/Grating Panel

Feature

Provide optimum laminar airflow, without turbulence
Up to 20% – 45% airflow rate



Ventilation rate 36% Ventilation rate 25%



Ventilation rate 30% Ventilation rate 45%



Aluminium Shield Panel Feature

Industrial loading performance
Elaborated made to exchange
Acceptable electric leakage
Class A fire protection Recycling

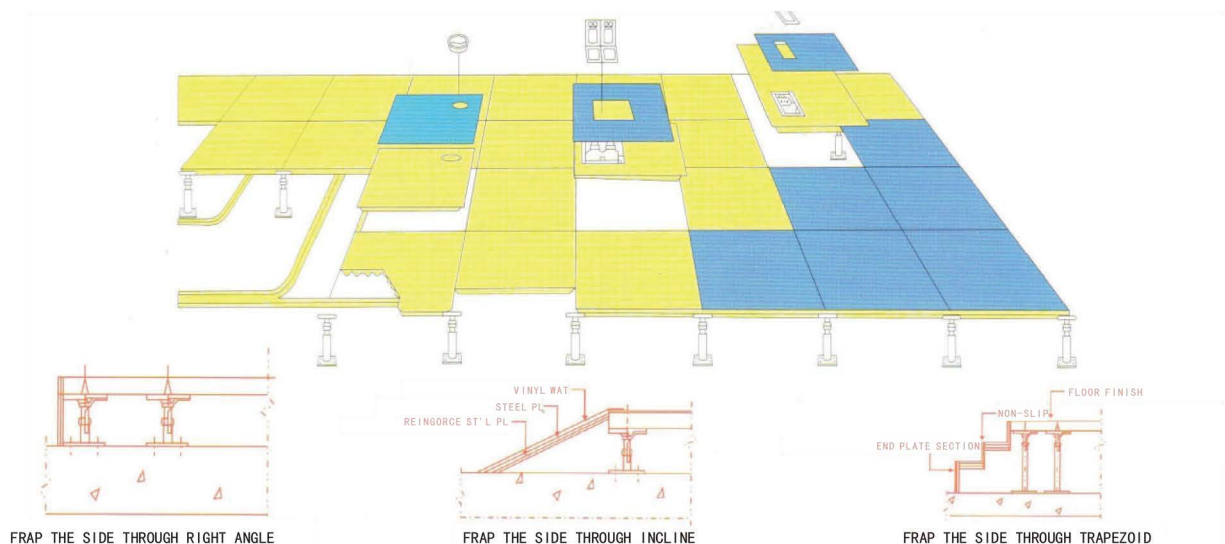


Product	HLS 500	HLS700	HLS 1000
Material	Aluminum die Cast	Aluminum die Cast	Aluminum die cast
Dimension	600X50mm , 55mm	600X50mm , 55mm	600X55 mm
Strength	500KG/Deflection 2.0mmConcentrated Load at center	500KG/Deflection 2.0mmConcentrated Load at center	500KG/Deflection 2.0mmConcentrated Load at center

Installation and application

Installation guide

Ensure floor is clean and dry
- **Drawing Square** - **install pedestal** - **install panels** - **finish border** - **clean up flooring** - **area-lay carpets**



Understructures ■

Pedestal



Stringer



Accessories



Power Box



PE Thermal Insulation Foam



Grommet



Panel lifter

High Pressure Laminate

■ Antistatic HPL

Feature:

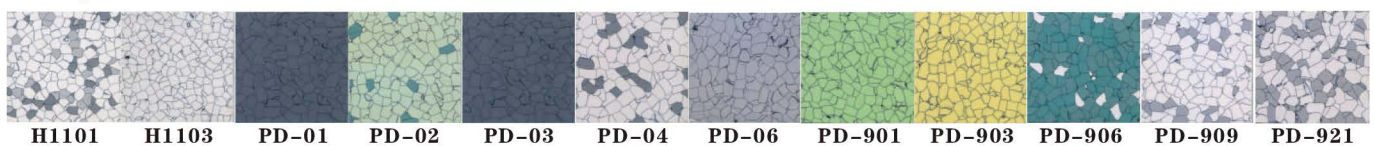
High pressure melamine laminate is widely used in varies computer rooms and data centers. It is anti-static, anti-wear and free of pollution.



Specifications:

Properties	Nema Test Method	Nema Test Standard	Laminate Results
Electrical Resistance	NFPA99		$1.0 \times 10^6 - 2.0 \times 10^{10}$
Stain Resistance	3.4	No effect	No effect
Boiling Water Resistance	3.5	No effect	No effect
High Temperature Resistance	3.6	Slight effect	No effect
Wear Resistance	3.13	3000 cycles/min	3000+
Scuff Resistance	3.16	No effect	No effect

Vinyl Tile



Feature:

1. With a perfect permanent conductivity.
2. Free of dust, easy to clean/maintain.
3. Waterproof, anti-chemical corrosion
4. Fire-proof rating FV-0 grade.

Application:

Electronics workshop/Manufacturing plant
 Big computer room/ computer server room
 Clean room
 Packaging workshop
 Telecommunication room
 Hospital equipment room

Specifications:

Performance	Conductive	Static Dissipative
Point to ground Resistance	$2.5 \times 10^4 - 10^6$	$1.0 \times 10^6 - 2.0 \times 10^8$
Point to point Resistance	$2.5 \times 10^4 - 10^6$	