Raised Access Floor Specialist

Panelway™

BARE FINISHED ST SYSTEM

Bare Finished Cementitious Infill Steel Raised Access Floor System

Characteristics

- The most widely used raised access floor system in the world.
- Light weight cementitious infill makes panel solid and quiet.
- Epoxy paint finish for life time protection.
- Excellent rolling load and superior ultimate load performance.
- Completely non-combustible.
- All-steel pedestals provide excellent impact load performance.
- Zinc whisker free.

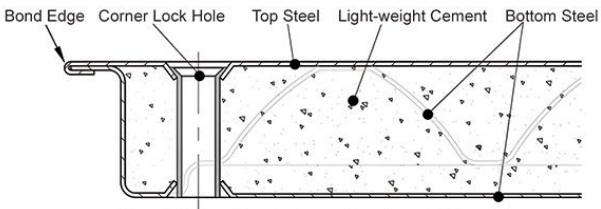
Applications

- Office spaces/halls
- Class room/training facilities
- Libraries

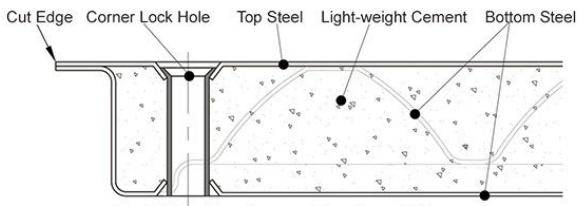
Panel

The fabricated raised access floor panel is a structural unitized construction, a die-formed all-steel bottom pan fully welded to a die-cut full-hard steel top sheet, filled with a highly controlled mixture of light-weight cement.

Sizes of 24″ × 24″and 600mm × 600mm are available.



Bond Edge Steel Panel Sectional View



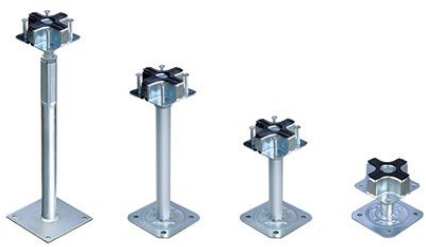
Cut Edge Steel panel Sectional View

The Corner Lock Understructure System

- Designed for traditional office spaces/halls.
- Easy and quick accessibility.
- Excellent seismic proof performance.

The Bolted Stringer Understructure System

- Designed for **Underfloor Air Distribution** office spaces.
- PVC taped stringer provides excellent **Air Leakage Rate** performance.
- Excellent seismic proof performance.



System Performance Criteria* (Tested on Actual Understructure)						
	Static Loads			Rolling Loads		Impact Loads (N)
Panel	Design Loads[1] (N)	Safety Factors[2] (min 3.0)	Unifom Loads N/m²	10 Passes (N)	10,000 Passes (N)	
ST660-B	2 950	PASS	12 500	2 950	2 255	670
ST800-B	3 560	PASS	17 000	3 560	2 950	670
ST1000-B	4 450	PASS	23 000	4 450	3 560	670
ST1250-B	5 560	PASS	33 000	5 560	4 450	670

HPL/VINYL FINISHED ST SYSTEM

HPL/VINYL Finished Cementitious Infill Steel Raised Access Floor System

Characteristics

- Lightweight for ease of handling.
- Class A flame spread rating.
- Non-combustible material.
- Excellent grounding and electrical continuity.

Applications

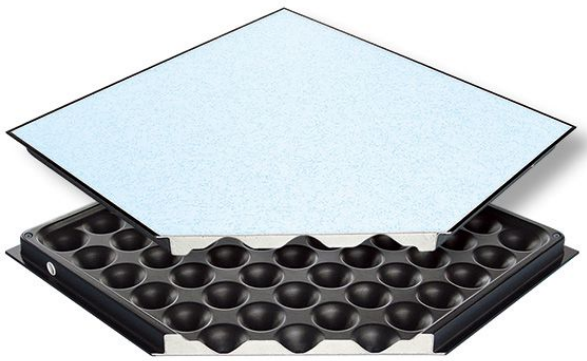
- Data/computer centers
- Telecommunication rooms
- Electronic assembly areas
- General purpose equipment applications

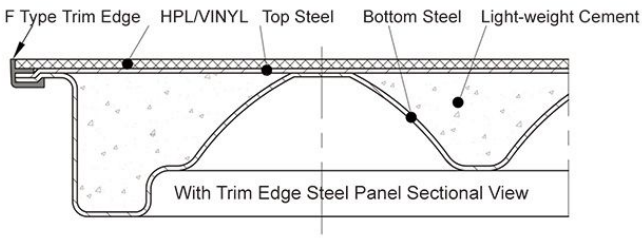
Glass Window Glass Raised Access Floor (GL-B)

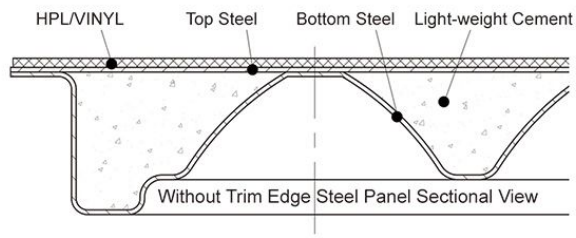
Panel

The panel is constructed nearly the same as the **Bare Finished Cementitious Infill Steel Raised Access Floor Panel** but with full range of factory applied finishes, such as HPL, Vinyl... on the top in order to get the exact performances required in data/computer centers, telecommunication rooms...

Sizes of 24″×24″ and 600mm × 600mm are available.

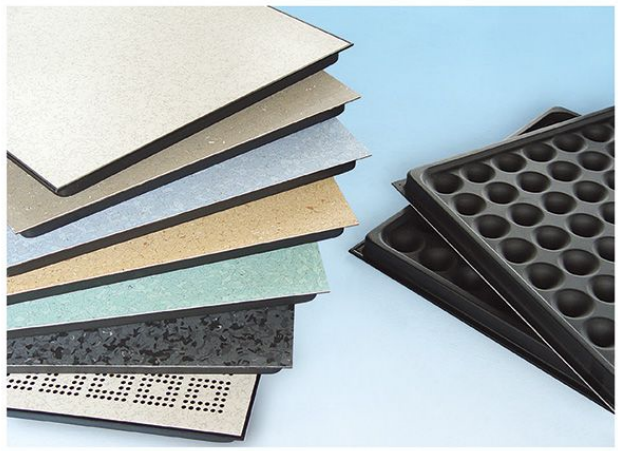






HPL/Vinyl Finishes

- HPL/Vinyl finishes are available in various colors.
- Electrical resistance range of less than 1×10^6 ohms or less than 1×10^9 ohms.



The Bolted Stringer Understructure System

- Panels are gravity-held in understructure for fast removal and replacement.
- PVC taped stringer provides excellent **Air Leakage Rate** performance.
- Excellent seismic proof performance.

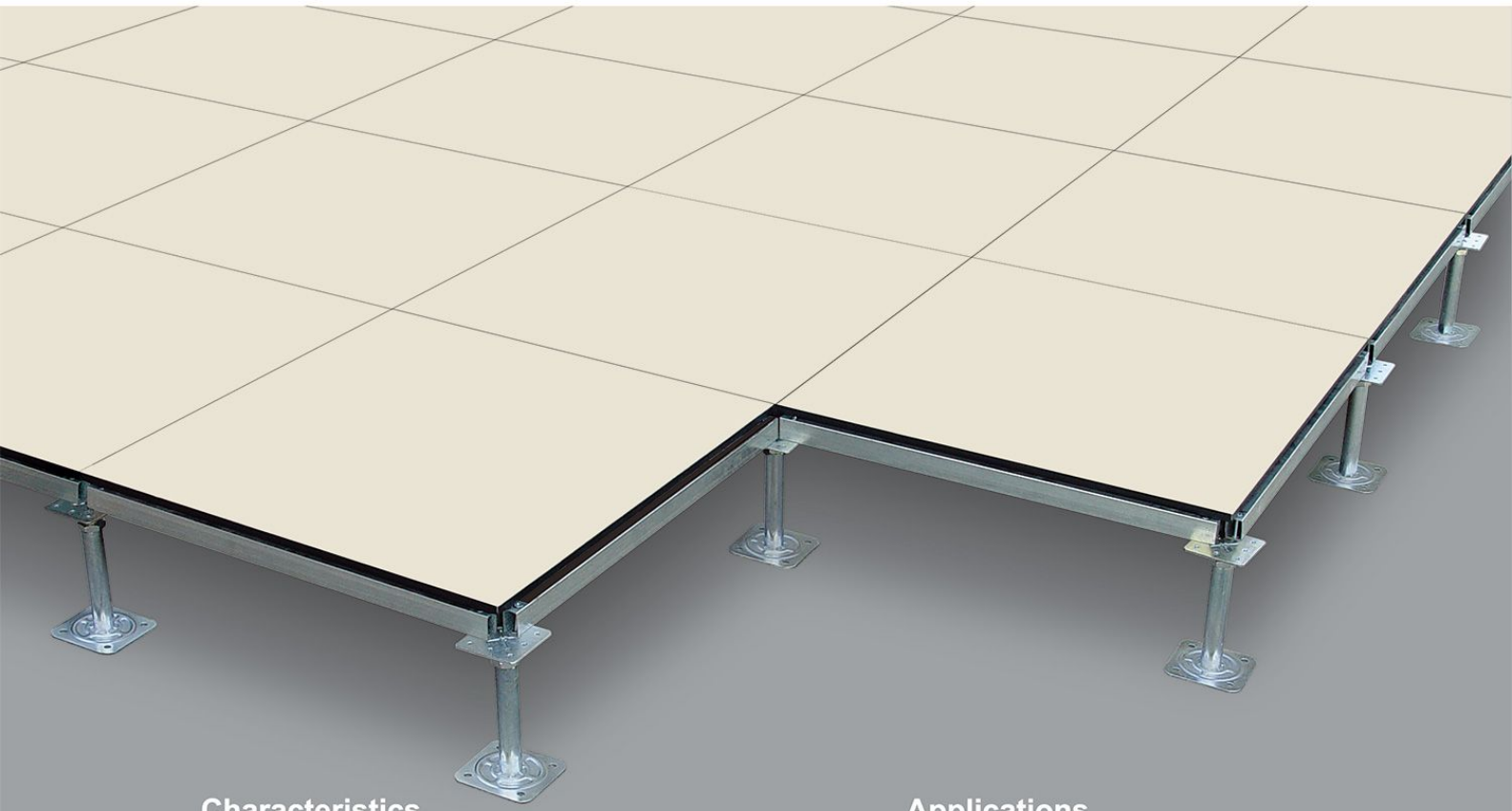
System Performance Criteria* (Tested on Actual Understructure)

Panel	Understructure	Static Loads			Rolling Loads		Impact Loads (N)
		Design Loads[1] (N)	Safety Factors[2] (min 3.0)	Unifom Loads N/m²	10 Passes (N)	10,000 Passes (N)	
ST660-H (V)	Bolted Stringer	2 950	PASS	12 500	2 950	2 255	670
ST800-H (V)	Bolted Stringer	3 560	PASS	17 000	3 560	2 950	670
ST1000-H (V)	Bolted Stringer	4 450	PASS	23 000	4 450	3 560	670
ST1250-H (V)	Bolted Stringer	5 560	PASS	33 000	5 560	4 450	670

Panelway™

CERAMIC TILE FINISHED ST SYSTEM

Ceramic Tile Finished Cementitious Infill Steel Raised Access Floor System

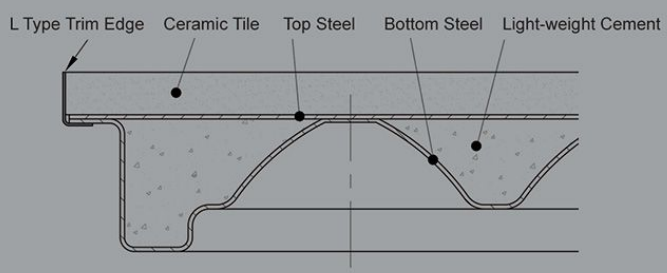


Characteristics

- Designed specifically for office spaces & equipment rooms.
- Outstanding wear resistance.
- Low water absorption, less than 0.5%.
- No radiation, easy to clean maintenance, long service life.
- Completely non-combustible.
- Edge banding protects against chipping.
- Available in a variety of colors and aesthetics.

Applications

- Office spaces/halls
- Data/computer centers
- Control rooms
- General purpose equipment applications



Panel

The panel is constructed nearly the same as the **Bare Finished Cementitious Infill Steel Raised Access Floor Panel** but with Ceramic Tile (Anti-static/Non-static) covered on the top in order to get the exact performances required in data/computer centers, office spaces/halls...

WD & CS SYSTEM

Woodcore & Calcium Sulphate Core Raised Access Floor System

Characteristics

- High strength to weight performance.
- Class A flame spread rating.
- Excellent rigidity, durability, and acoustic performance.

Applications

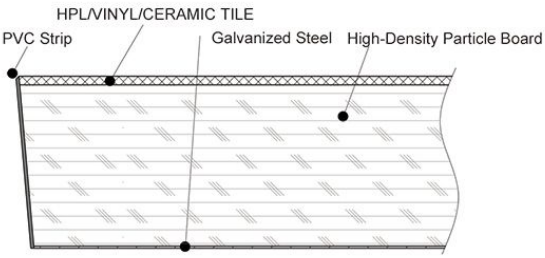
- Office spaces/halls
- Computer/telecommunication rooms
- Data centers

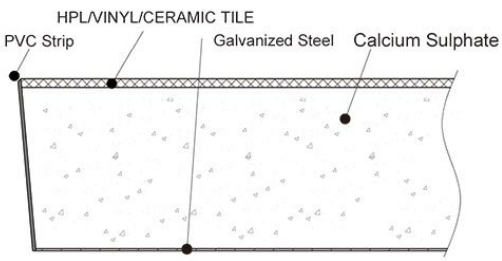
System Performance Criteria* (Tested on Actual Understructure)

Panel	Understructure	Static Loads			Rolling Loads		Impact Loads (N)
		Design Loads[1] (N)	Safety Factors[2] (min 3.0)	Unifom Loads N/m²	10 Passes (N)	10,000 Passes (N)	
CS800-B/H/V/C	Bolted Stringer	3 560	PASS	17 000	3 560	2 950	670
CS1000-B/H/V/C	Bolted Stringer	4 450	PASS	23 000	4 450	3 560	670

Panels

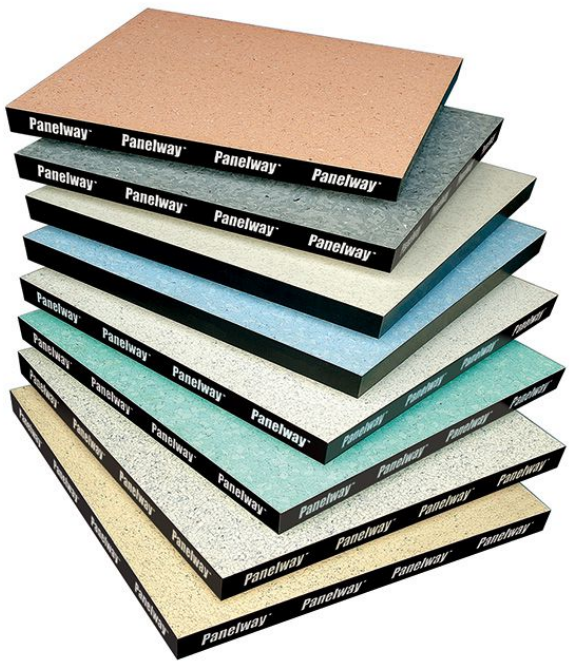
The panels, based on a 600mm square module, are constructed with a high density Particle Board/Calcium Sulphate core, enclosed by full range of factory laminated finishes on the top, galvanized steel sheet on the bottom, and four pieces of PVC edge strips around, protected from corrosion.





HPL/Vinyl Finishes

- HPL/Vinyl finishes are available in various colors.
- Electrical resistance range of less than $1x10^6$ ohms or less than $1x10^9$ ohms.

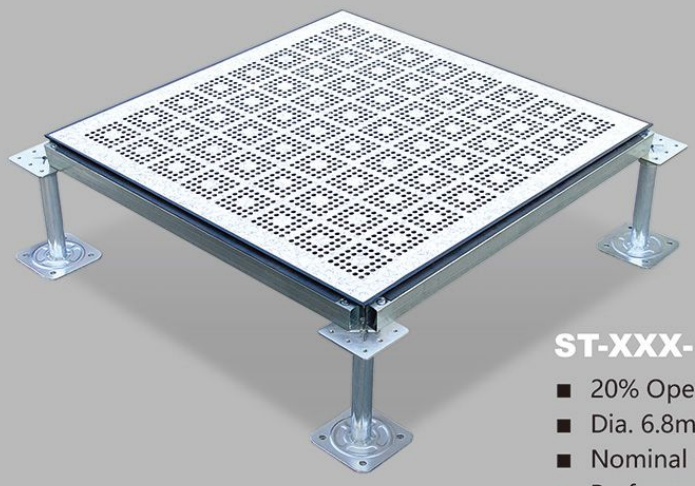


The Bolted Stringer Understructure System

- Panels are gravity-held in understructure for fast removal and replacement.
- Stringers provide lateral resistance to heavy loads and. seismic loading.
- Zinc whisker free.

System Performance Criteria* (Tested on Actual Understructure)							
		Static Loads			Rolling Loads		Impact Loads (N)
Panel	Understructure	Design Loads[1] (N)	Safety Factors[2] (min 3.0)	Unifom Loads N/m²	10 Passes (N)	10,000 Passes (N)	
WD1000-B/H/V/C	Bolted Stringer	4 450	PASS	23 000	4 450	3 560	670

Airflow Panels

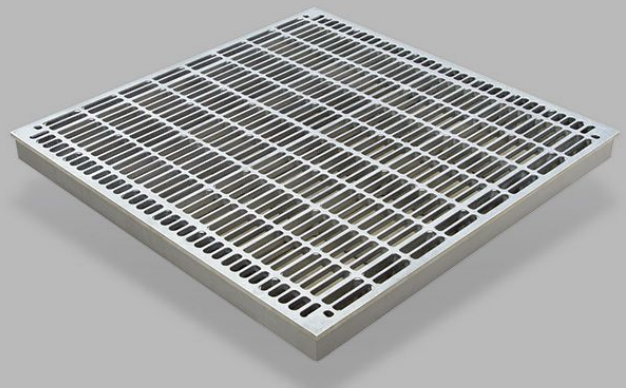


ST-XXX-1AF

- 20% Open Area.
- Dia. 6.8mm Hole, 2048 per panel.
- Nominal Size: 600mm×600mm×35mm.
- Perforated All-Steel construction.
- Non-combustible material.
- A variety of HPL, Vinyl Tiles are available.
- Protected from corrosion by an epoxy paint finish.

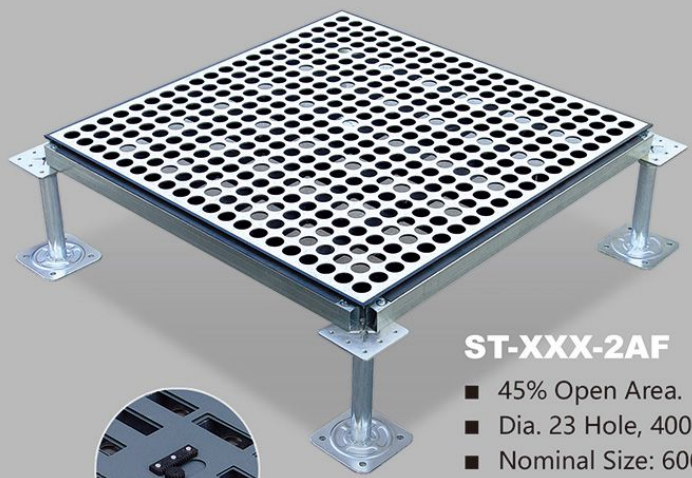
System Performance Criteria* (Tested on Actual Understructure)

Panel	Understructure	Static Loads			Rolling Loads		Impact Loads (N)
		Design Loads[1] (N)	Safety Factors[2] (min 3.0)	Unifom Loads N/m²	10 Passes (N)	10,000 Passes (N)	
ST-XXX-1AF	Bolted Stringer	1 900	–	–	–	–	–
ST-XXX-2AF	Bolted Stringer	2 950	–	–	–	–	–



ST-3AF

- 60% Open Area.
- Made of die-casted aluminum.
- Concentrated load at the center is more than 5,000N.
- Light weight, higher strength.
- Non-combustible material.
- Protected from corrosion by a paint finish.



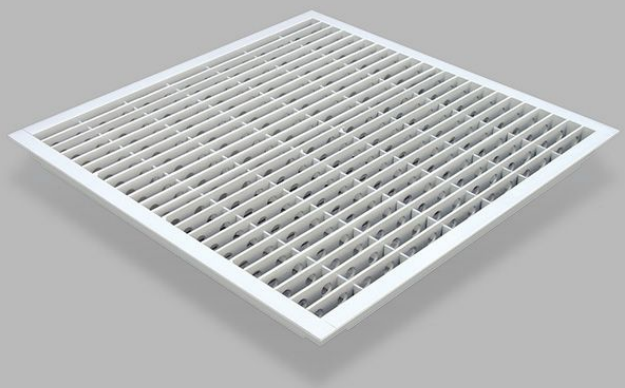
Ventilation volume adjustable

ST-XXX-2AF

- 45% Open Area.
- Dia. 23 Hole, 400 per panel.
- Nominal Size: 600mm×600mm×35mm.
- Perforated All-Steel construction.
- Reinforced bar.
- Non-combustible material.
- A variety of HPL, Vinyl Tiles are available.
- Protected from corrosion by an epoxy paint finish.

System Performance Criteria* (Tested on Actual Understructure)

Panel	Understructure	Static Loads			Rolling Loads		Impact Loads (N)
		Design Loads[1] (N)	Safety Factors[2] (min 3.0)	Unifom Loads N/m²	10 Passes (N)	10,000 Passes (N)	
ST-3AF	–	5 000	–	–	–	–	–
ST-4AF	–	3 560	–	–	–	–	–



ST-4AF

- 70% Open Area.
- Made of high strength structural steel.
- Perforated All-Steel construction.
- Non-combustible material.
- Protected from corrosion by an epoxy paint finish.

Antistatic HPL
Thickness: 1.2/1.6/2.0 mm
Electrical resistance:
$<1.0x10^9\ \Omega$


HPL2010P


HPL2010-6P


HPL2103P


HPL2158P


HPL2069P


HPL2208P

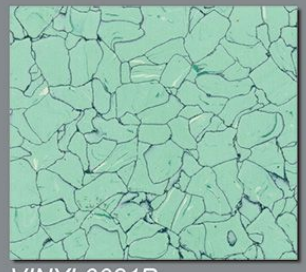
Conductive Vinyl
Thickness: 2.0/2.5/3.0 mm
Electrical resistance:
$<1.0x10^6\ \Omega$


VINYL6101P


VINYL6111P

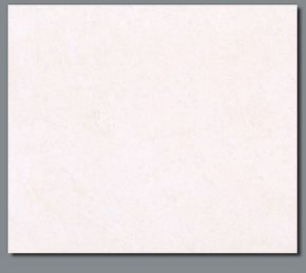

VINYL601P

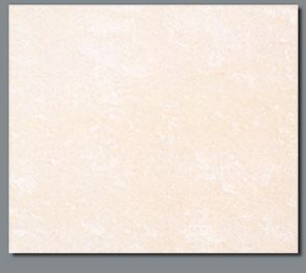

VINYL6071P

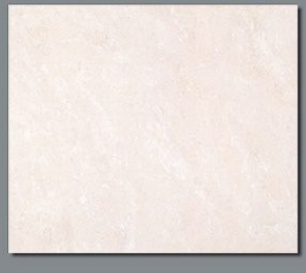

VINYL6081P

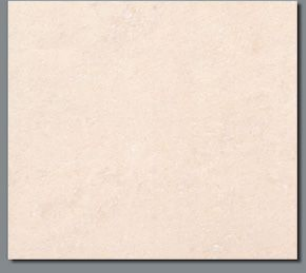

VINYL6131P

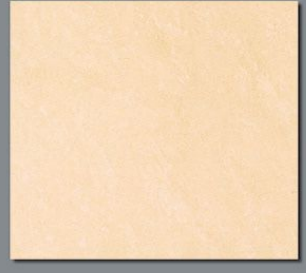
Ceramic Tiles
Anti-static/Non-static
Thickness: 10.0 mm
Electrical resistance:
$<1.0x10^9\ \Omega$

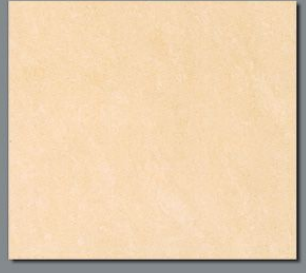




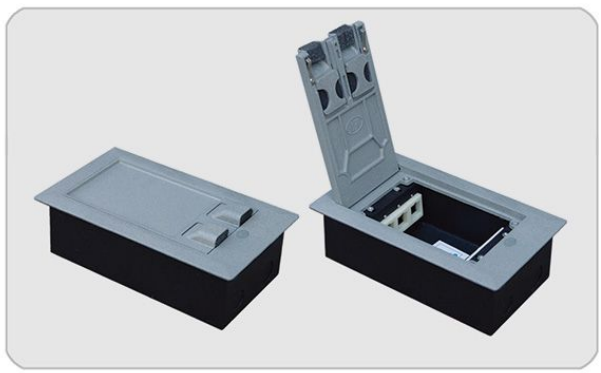








Floor Socket Outlet Box



- Materials, like aluminum alloy, copper alloy casting, stainless steel plate, brass plate, engineering plastics, etc., can be flexibly selected according to different requirements.
- Equipped with types of strong power, weak power, telephone, video, and audio ports.
- Flexible and convenient to install.
- Good sealing and dustproof performance.
- Excellent electrical performance and anti-interference performance.

Double Cup Lifter

Three Cup Lifter

Production and Inspection

Automatic Panel Production Line

Automatic Welding Line

Automatic Pedestal Production Line

Automatic Cleaning Line

Coating Production Line

Bonding Production Line

With advanced machines and process, together with perfect inspection and stringent process control, our product quality are ensured

Pedestal Zinc Coating Thickness Test

Salt Spray Test

Chemical Analysis

Panel Powder Coating Thickness Test

Rolling Load Test

Impact Load Test

Concentrated Load Test

Uniform Load Test

Resistance System Test

Panelway™

CASE STUDIES

Our factory was established in 1989. After finishing many significant raised access floor projects across all of China and abroad, we gained great reputation and accumulated rich experience and solid technical reserves in designing, manufacturing and installing a wide range of raised access floors which are applied to a wide variety of industries, including Aerospace, Business, Chemical, Computer, Education, Financial Services, Information Technology, Mess Media, Mining, and Telecommunications, etc..

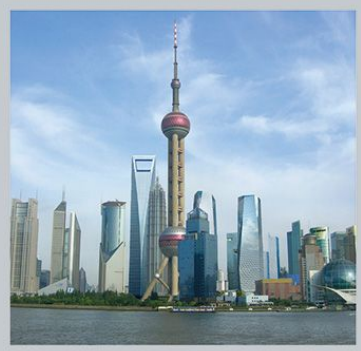

CCTV Tower


Qingdao Customs

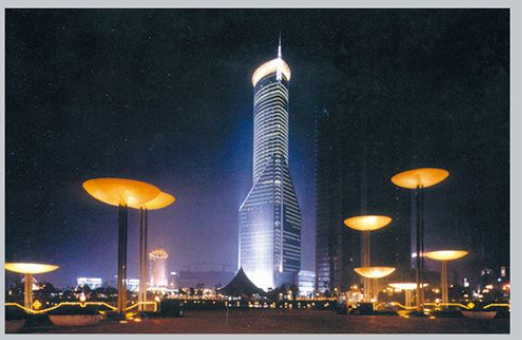

Shanghai TV Tower


Shanghai Jinmao Tower


Liaocheng University


Shanghai Oriental Pearl Tower


State Bureau of Quality Technical Supervision


Shanghai Pudong International Financial Tower


Guangzhou Poly Plaza


Zhejiang University

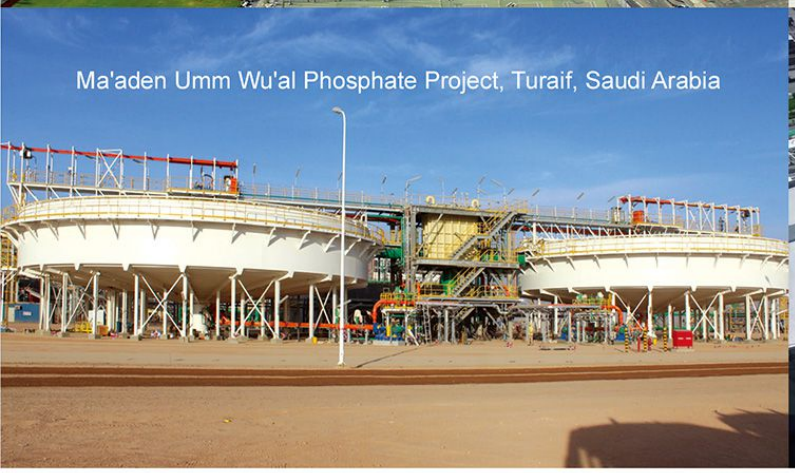

Saraya's W Amman Hotel & Tower, Amman, Jordan


Sky Tower, Dubai, UAE


AMMROC MRO, Al Ain, Abu Dhabi, UAE


King Abdullah Sports City Stadium, Jeddah, Saudi Arabia

Centro Agora, Bogota, Colombia


Ma'aden Umm Wu'al Phosphate Project, Turaif, Saudi Arabia


Centro Comercial La Felicidad, Bogota, Colombia

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