

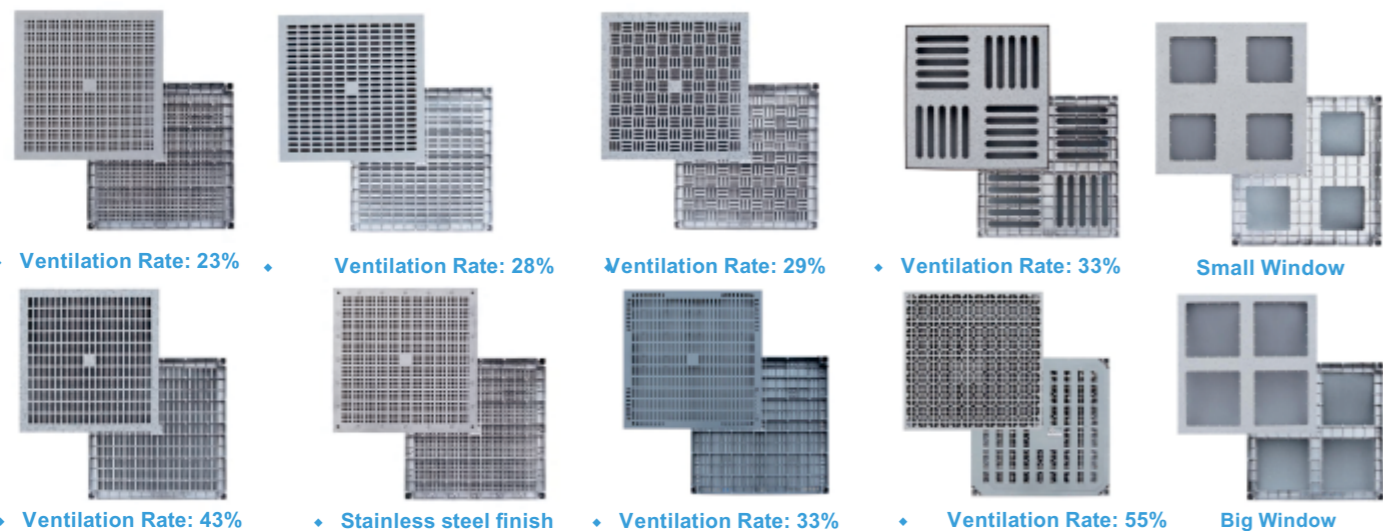
## ALUMINUM RAISED FLOOR



### Structure

The aluminum raised floor is made of die casting aluminum alloy ingot (ADC12), the whole panel is formed at one time. After the aluminum ingots are fused, they are pressure-formed by a high-pressure casting machine. With the characteristics of corrosion resistance and high strength, aluminum raised floor are widely used in clean room, microelectronics industry, semiconductor industry, display industries, precision engineering, etc. There are different types of aluminum raised floor, such as solid, perforated, grating, window.

### Characteristic



### Technical Parameters

| Type   | Size                       | Uniform Load           | Concentrated Load    |                     | Rolling Load | Ultimate Load               |
|--------|----------------------------|------------------------|----------------------|---------------------|--------------|-----------------------------|
|        |                            |                        | 0.1*2.5mm Deflection | 6.45cm <sup>2</sup> |              |                             |
| SY300  | 600*600mm<br>35-55mm thick | 800kgf/m <sup>2</sup>  | 300kgf               | 6.45cm <sup>2</sup> | 100kgf       | 600kgf 6.45cm <sup>2</sup>  |
| SY500  | 600*600mm<br>35-55mm thick | 1250kgf/m <sup>2</sup> | 500kgf               | 6.45cm <sup>2</sup> | 150kgf       | 1000kgf 6.45cm <sup>2</sup> |
| SY700  | 600*600mm<br>35-55mm thick | 1700kgf/m <sup>2</sup> | 700kgf               | 6.45cm <sup>2</sup> | 200kgf       | 1400kgf 6.45cm <sup>2</sup> |
| SY1000 | 600*600mm<br>35-55mm thick | 2000kgf/m <sup>2</sup> | 1000kgf              | 6.45cm <sup>2</sup> | 300kgf       | 2000kgf 6.45cm <sup>2</sup> |
| SY1200 | 600*600mm<br>35-55mm thick | 2200kgf/m <sup>2</sup> | 1200kgf              | 6.45cm <sup>2</sup> | 350kgf       | 2400kgf 6.45cm <sup>2</sup> |
| SY1500 | 600*600mm<br>35-55mm thick | 2500kgf/m <sup>2</sup> | 1500kgf              | 6.45cm <sup>2</sup> | 400kgf       | 3000kgf 6.45cm <sup>2</sup> |

## STEEL PERFORATED PANEL

### Structure

The perforated raised floor is specially designed for the places with ventilation requirements under the floor. It is made of high-quality steel plate. After stretching, punching, spot welding, and plastic spraying, the inner cavity is hollow with a reinforced grid. The floor shape has high accuracy and can be interchanged with any other floors. The ventilation rate is 20% ~ 75%.

## ACCESORRIES

Accessories match with floor, such as Outlet boxes, electrical plug-in boxes, bracket glue, etc.



Calcium Sulphate/Woodcore Raised Floor Pedestal

Steel Raised Floor Pedestal

Heavy-duty Understructure System



Stringer



Brush Grommet



Outlet Box



Electronic Resistance Tester



Steel pedestal



Close Cell Insulation



Portable Bandsaw Machine



Pedestal Adhesive

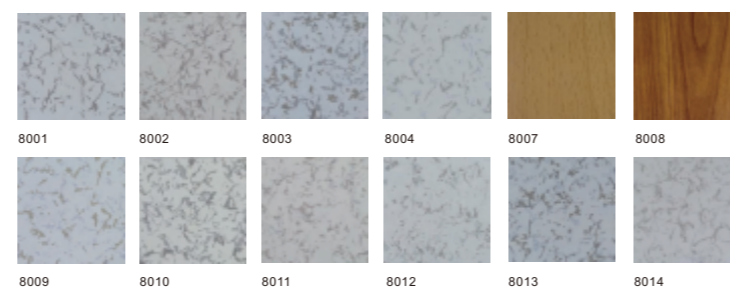


Panel Lifter

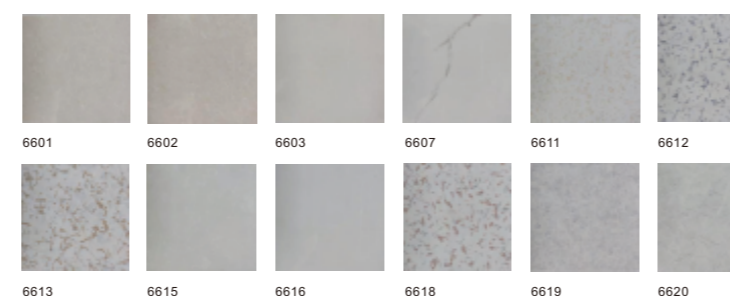


Aluminum pedestal

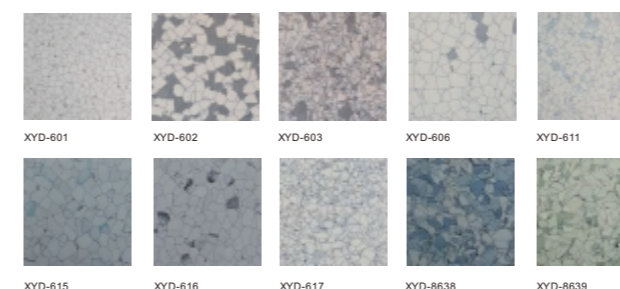
### Anti static HPL



### Porcelain Tile



### Conductive PVC Tile



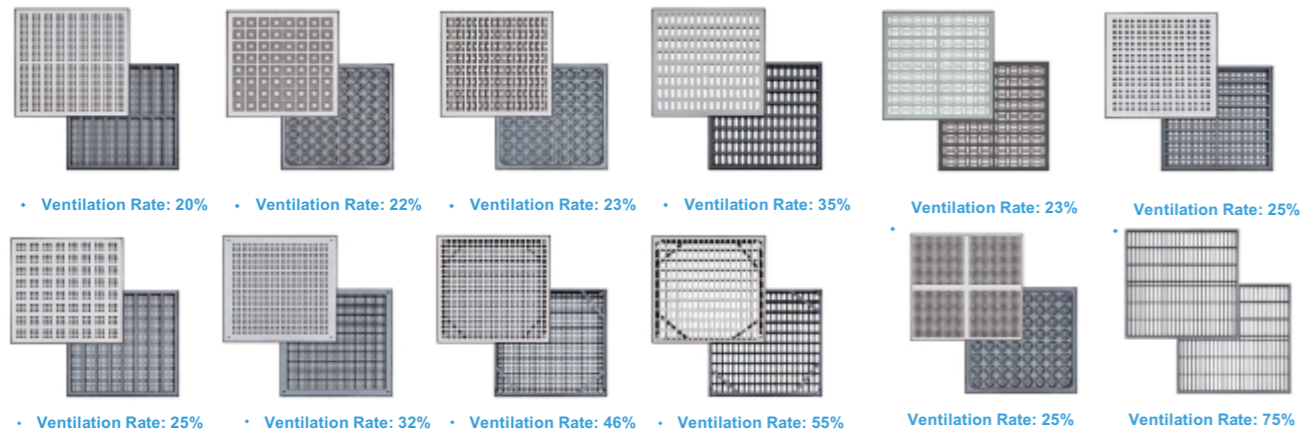
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# RAISED FLOOR SOLUTION FOR YOURS DATACENTER INFRASTRUCTURE

## STEE PERFORATED PANEL



### Application

Computer rooms, communication rooms, exchange equipment rooms and places require air circulation, dust-proof and anti-static environment.

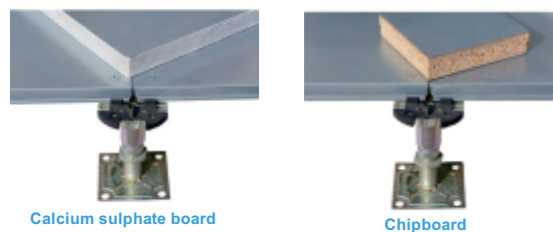
### Characteristic

In order to face the challenges of high density cabinets and thermal load in data center, Titanflor has developed a series of high-ecency and energy-saving solutions. Sensor fan assist can automatically determine the on-site temperature, and make real-time reflections based on sensor signals, automatically adjust the temperature.

## ENCAPSULATED RAISED FLOOR

### Structure

Encapsulated panel is fully wrapped around by hot dipped galvanized steel. The top and bottom steel sheet is pressed and riveted, with high-density chipboard or high-strength calcium sulphate as the inside core.



### Characteristic

- Flexible layout for office building
- Fireproof, waterproof, dustproof
- High strength and load capacity
- Good thermal and sound insulation
- Recyclable and environmental friendly
- Easy to repair wiring

### Technical Parameters

| Type   | Size            | Uniform Load           | Concentrated Load    |          | Rolling Load |          | Impact load | Umtimate Load |
|--------|-----------------|------------------------|----------------------|----------|--------------|----------|-------------|---------------|
|        |                 |                        | 0.1/2.5mm Deflection | 10 Times | 10000 Times  | 10 Times |             |               |
| SY800  | 600*600*26/30mm | 17.78KN/m <sup>2</sup> | 3.56KN               | 363KG    | 2.94KN       | 2.45KN   | 100LB/45KG  | 11.25KN       |
| SY1000 | 600*600*26/30mm | 22.22KN/m <sup>2</sup> | 4.45KN               | 454KG    | 3.56KN       | 2.67KN   | 150LB/68KG  | 14.50KN       |
| SY1250 | 600*600*31mm    | 27.78KN/m <sup>2</sup> | 5.56KN               | 567KG    | 4.45KN       | 3.56KN   | 150LB/68KG  | 18.36KN       |
| SY1500 | 600*600*31mm    | 33.34KN/m <sup>2</sup> | 6.68KN               | 680KG    | 5.56KN       | 4.45KN   | 175LB/79KG  | 22.17KN       |

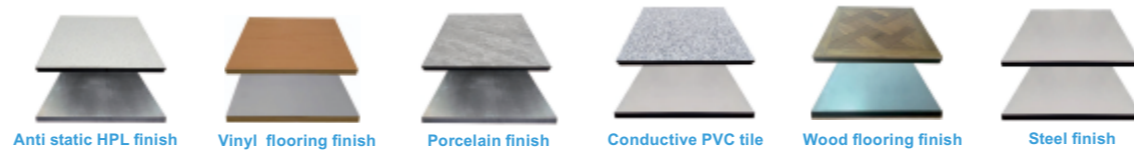
## CALCIUM SULPHATE RAISED FLOOR WOOD-CORE RAISED FLOOR

### Structure

Calcium sulphate raised floor takes the environment friendly natural gypsum and plant's fibre as the raw material, then solidify the calcium sulphate crystals, and after the pulse pressing process done. Wood-core raised floor is made of high-density chipboard. The top surface can be stuck with all kinds of covering, the bottom is covered with aluminum foil or galvanized steel sheet. Four edges are sealed with PVC edge trim.

### Characteristic

- High strength and load capacity
- Good thermal and sound insulation
- Flame retardant, antiskid, antirust, antisoil
- High dimension accuracy and sealing
- Recyclable and environmental friendly
- Suitable for different coverings



### Technical Parameters

| Type   | Size            | Uniform Load           | Concentrated Load    |          | Rolling Load |          | Impact load | Umtimate Load |
|--------|-----------------|------------------------|----------------------|----------|--------------|----------|-------------|---------------|
|        |                 |                        | 0.1/2.5mm Deflection | 10 Times | 10000 Times  | 10 Times |             |               |
| SY800  | 600*600*28-30mm | 17.78KN/m <sup>2</sup> | 3.56KN               | 363KG    | 2.94KN       | 2.45KN   | 100LB/68K   | 11.25KN       |
| SY1000 | 600*600*28-32mm | 22.22KN/m <sup>2</sup> | 4.45KN               | 454KG    | 3.56KN       | 2.67KN   | 150LB/68KG  | 14.50KN       |
| SY1250 | 600*600*28-33mm | 27.78KN/m <sup>2</sup> | 5.56KN               | 567KG    | 4.45KN       | 3.56KN   | 150LB/68KG  | 18.36KN       |
| SY1500 | 600*600*30/35mm | 33.34KN/m <sup>2</sup> | 6.68KN               | 680KG    | 5.56KN       | 4.45KN   | 175LB/79KG  | 22.17KN       |
| SY2000 | 600*600*30/36mm | 44.45KN/m <sup>2</sup> | 8.89KN               | 907KG    | 6.68KN       | 5.56KN   | 175LB/79KG  | 29.42KN       |
| SY2500 | 600*600*30/38mm | 57.79KN/m <sup>2</sup> | 11.11KN              | 1134KG   | 8.89KN       | 6.68KN   | 200LB/91K   | 37.34KN       |

## CERAMIC STEEL RAISED FLOOR

### Structure

To Improve traditional ceramic tile laid method, the all-steel floor surface sticks ceramic tile. The borders are trimmed with black PVC edge trim as protection, hole design on top steel plate allows that cement can stick ceramic and steel panel part together firmly.

### Technical Parameters

| Type   | Size         | Uniform Load           | Concentrated Load    |          | Rolling Load |          | Impact load | Umtimate Load |
|--------|--------------|------------------------|----------------------|----------|--------------|----------|-------------|---------------|
|        |              |                        | 0.1/2.5mm Deflection | 10 Times | 10000 Times  | 10 Times |             |               |
| SY1000 | 602*602*40mm | 22.22KN/m <sup>2</sup> | 4.45KN               | 454KG    | 3.56KN       | 2.67KN   | 150LB/68KG  | 14.50KN       |
| SY1250 | 602*602*40mm | 27.78KN/m <sup>2</sup> | 5.56KN               | 567KG    | 4.45KN       | 3.56KN   | 150LB/68KG  | 18.36KN       |
| SY1500 | 602*602*40mm | 33.34KN/m <sup>2</sup> | 6.68KN               | 680KG    | 5.56KN       | 4.45KN   | 175LB/79KG  | 22.17KN       |
| SY2000 | 602*602*40mm | 44.45KN/m <sup>2</sup> | 8.89KN               | 907KG    | 6.68KN       | 5.56KN   | 175LB/79KG  | 29.42KN       |

### Application

High-grade rooms, such as banks, telecommunication centers, smart offices and computer rooms.

### Characteristic

- Patent anti static ceramic
- Better resistance against abrasion
- Excellent anti-static performance
- Higher fire-proof grade as much as 1000 C

## ANTI-STATIC STEEL RAISED FLOOR

### Structure

Anti-static raised floor is made of good quality cold-rolled steel sheet with foaming cement fully filled. The surface is stuck with High Pressure Laminate (HPL) or Conductive PVC tile. The whole raised floor system is composed of raised floor, pedestal and stringer.



### Characteristic

- High strength and load capacity
- Fireproof, waterproof, dustproof
- Permanent anti-static function
- Easy access to cables below
- Low maintenance cost
- Excellent dimension accuracy

### Technical Parameters

| Type   | Size         | Uniform Load           | Concentrated Load    |          | Rolling Load |          | Impact load | Umtimate Load |
|--------|--------------|------------------------|----------------------|----------|--------------|----------|-------------|---------------|
|        |              |                        | 0.1/2.5mm Deflection | 10 Times | 10000 Times  | 10 Times |             |               |
| SY662  | 600*600*35mm | 14.71KN/m <sup>2</sup> | 2.94KN               | 300KG    | 2.45KN       | 2.00KN   | 100LB/45KG  | 8.85KN        |
| SY800  | 600*600*35mm | 17.78KN/m <sup>2</sup> | 3.56KN               | 363KG    | 2.94KN       | 2.45KN   | 100LB/45KG  | 11.25KN       |
| SY1000 | 600*600*35mm | 22.22KN/m <sup>2</sup> | 4.45KN               | 454KG    | 3.56KN       | 2.67KN   | 150LB/68KG  | 14.50KN       |
| SY1250 | 600*600*35mm | 27.78KN/m <sup>2</sup> | 5.56KN               | 567KG    | 4.45KN       | 3.56KN   | 150LB/68KG  | 18.36KN       |
| SY1500 | 600*600*35mm | 33.34KN/m <sup>2</sup> | 6.68KN               | 680KG    | 5.56KN       | 4.45KN   | 175LB/79KG  | 22.17KN       |
| SY2000 | 600*600*35mm | 44.45KN/m <sup>2</sup> | 8.89KN               | 907KG    | 6.68KN       | 5.56KN   | 175LB/79KG  | 29.42KN       |
| SY2500 | 600*600*35mm | 57.79KN/m <sup>2</sup> | 11.11KN              | 1134KG   | 8.89KN       | 6.68KN   | 200LB/91K   | 37.34KN       |

## OA600 BARE STEEL RAISED FLOOR

### Structure

All steel components, four independent support struc-ture, base steel plate use ST14 tensile plate, surface hard steel sheet(SPCC), floor surface through conduc-tive epoxy processing. Surface can be coverde with square carpets/PVC carpets and other decoration materials, which are easy to clean.

### Technical Parameters

| Type   | Size         | Uniform Load           | Concentrated Load    |          | Rolling Load |          | Impact load | Umtimate Load |
|--------|--------------|------------------------|----------------------|----------|--------------|----------|-------------|---------------|
|        |              |                        | 0.1/2.5mm Deflection | 10 Times | 10000 Times  | 10 Times |             |               |
| SY662  | 600*600*30mm | 14.71KN/m <sup>2</sup> | 2.94KN               | 300KG    | 2.45KN       | 2.00KN   | 100LB/45KG  | 8.85KN        |
| SY800  | 600*600*35mm | 17.78KN/m <sup>2</sup> | 3.56KN               | 363KG    | 2.94KN       | 2.45KN   | 100LB/45KG  | 11.25KN       |
| SY1000 | 600*600*35mm | 22.22KN/m <sup>2</sup> | 4.45KN               | 454KG    | 3.56KN       | 2.67KN   | 150LB/68KG  | 14.50KN       |
| SY1250 | 600*600*35mm | 27.78KN/m <sup>2</sup> | 5.56KN               | 567KG    | 4.45KN       | 3.56KN   | 150LB/68KG  | 18.36KN       |

### Application

Computer room, data center, control room, laboratory, office building, bank, post telegraph, power control center, workshop and places where require anti-static environment or have many wires.

### Application

Bare finish steel raised floor can solve the wiring problem in modern offices perfectly and adapts to the requirements of fast network changes. Therefore, it is widely used in office buildings, meeting rooms, commercial and industrial bureaus, and places with dustproof and waterproof requirements, usually with square carpet on the top as surface.