



# ECLIPSE

ACCESS FLOOR SYSTEM

CATALOGUE

# RAISED FLOOR SYSTEM



## WHERE CAN RAISED FLOOR BE USED AT?

Due to the rapid growth in technology, raised floors have become the benchmark for most new builds.

Often used for their convenience in maintenance, raised floor systems also allow more possibilities above the false floor by keeping the messy wires from view.

Raised floors are used in multiple sectors, such as education, commercial, and retail, to name a few.



Cables & Trunking under Raised Floor (CET Campus)

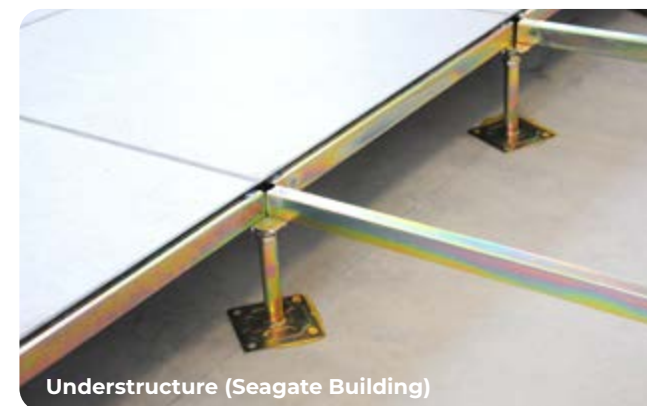
## WHY ECLIPSE RAISED FLOOR SYSTEM?

Getz Brothers is well-equipped with considerable expertise as the pioneer in the raised floor sector.

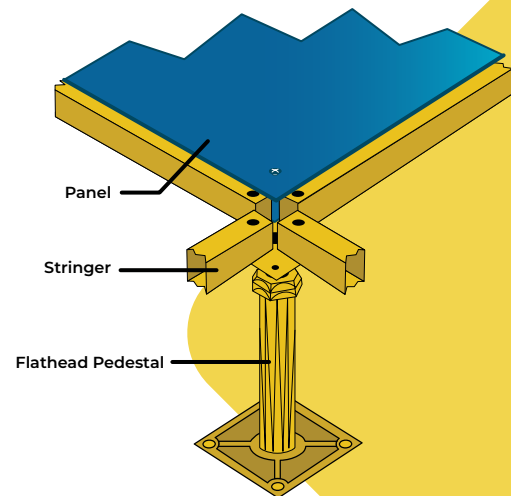
Our devoted R&D team strives to deliver the most up-to-date product innovation and technology as part of our ongoing commitment to excellence.

Why Eclipse Raised Floor, you may ask?

- High Quality Product
- Cost Efficient
- One-stop service available
- Extensive experience in multiple sectors
- Numerous project references available



Understructure (Seagate Building)



Close Up of Raised Floor's Understructure  
(for illustration purpose only)

Raised floor system is an innovative system that raises the original floor height with different requirements and hides all the communication wires and service pipes under the false floor.

The system is flexible and functional. It re-routes all the messy wires and pipes from view, yet remains flexible to allow for changes and reconfiguration with minimal effort and disruption.

# CONTENT

6

Low Profile

16

Accessories

7

Aluminium

18

Available Systems

8

Calcium Sulpate

19

Installation Method

10

Cementitious Core JS Series

20

Finishes and Colours

12

Cementitious Core OA Series

22

Project Reference

14

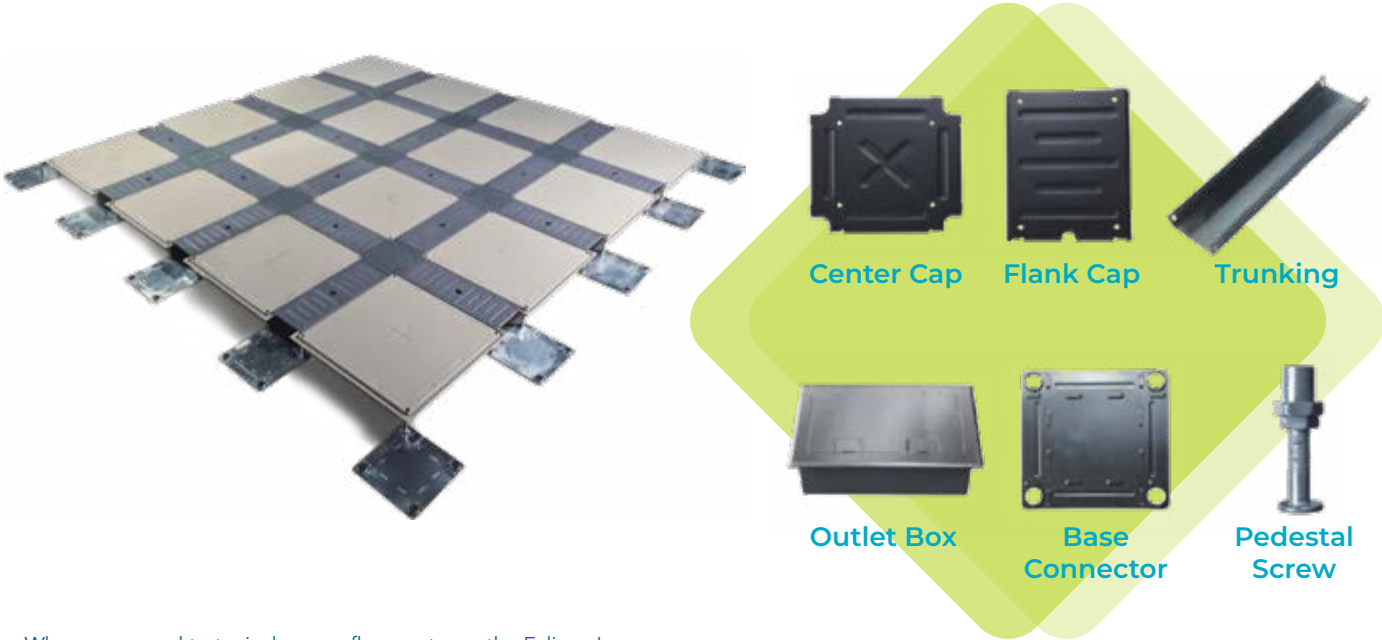
Server Room Friendly

# COMPARISON TABLE

|  |              | Office | Data Centre/<br>Server Room | Commercial | Education | Retail | Cleanroom |
|--|--------------|--------|-----------------------------|------------|-----------|--------|-----------|
| Low Profile                            |              |        |                             |            |           |        |           |
| Aluminium                              |              |        |                             |            |           |        |           |
| Calcium Sulphate                       |              |        |                             |            |           |        |           |
| Cementitious Core JS Series            | 600 x 600 mm |        |                             |            |           |        |           |
| Cementitious Core OA Series            | 500 x 500 mm |        |                             |            |           |        |           |
| Server Room Friendly Perforated Panels | Steel        |        |                             |            |           |        |           |
|  | Iron         |        |                             |            |           |        |           |
|  | Aluminium    |        |                             |            |           |        |           |
|  | Ceramic      |        |                             |            |           |        |           |

\* Above table is a general indication of recommended system vs often used spaces.  
Actual usable system depends on each project's requirements.

# LOW PROFILE



When compared to typical access floor systems, the Eclipse Low Profile system is a game-changer.

Aside from the advantages of a cementitious core panel, the Eclipse Low Profile system is also available as a complete system including all accessories, eliminating the need for further mechanical and electrical work beneath.

It is widely trendy in multiple countries, including Japan, Qatar, Korea, and others.

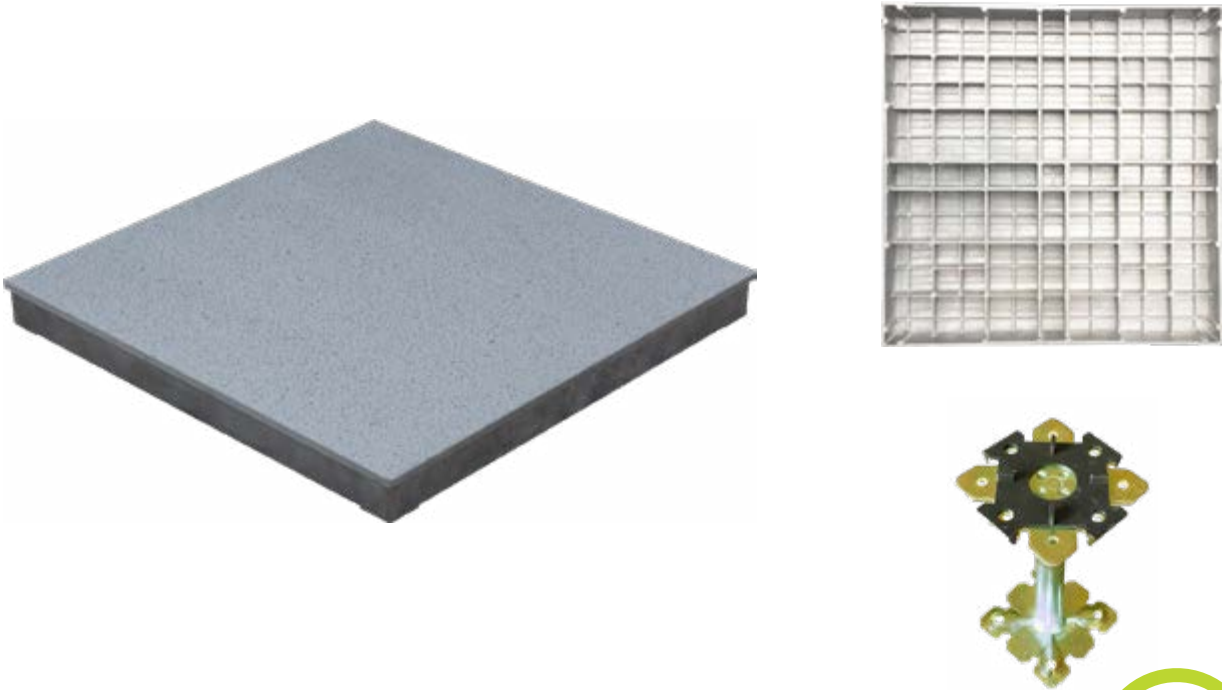
Eclipse Low Profile is supported by 4 pedestals, a flank cap, and a center cap.

## ADVANTAGES

- Economical option - Low Profile comes in complete set, saving on additional M&E costs
- Suitable for room with low ceilings
- Light Weight
- Good conductivity and air leakage
- Available for floor height as low as 45mm

| Panel  | Understructure System | Panel Thickness     | Concentrated Ld<br>kN/6.45cm² | Uniform Ld<br>kN/m² | Ultimate Ld<br>kN | Impact Ld<br>kN |
|--------|-----------------------|---------------------|-------------------------------|---------------------|-------------------|-----------------|
| LP800  | Cornerlock            | 25 mm<br>(± 0.5 mm) | 3.6                           | 19.8                | 10.8              | 0.67            |
| LP1000 | Cornerlock            | 25 mm<br>(± 0.5 mm) | 4.5                           | 23.3                | 13.5              | 0.67            |

# ALUMINIUM



| Panel | Understructure System | Panel Thickness     | Concentrated Ld<br>kN/6.45cm² | Uniform Ld<br>kN/m² | Ultimate Ld<br>kN | Impact Ld<br>kN |
|-------|-----------------------|---------------------|-------------------------------|---------------------|-------------------|-----------------|
| A1250 | Stringer              | 55 mm<br>(± 0.5 mm) | 5.6                           | 33.1                | 11.2              | 0.67            |
| A1500 | Stringer              | 55 mm<br>(± 0.5 mm) | 6.7                           | 42.6                | 13.4              | 0.67            |

Eclipse Aluminium system is the ideal solution and the first step to your clean room.

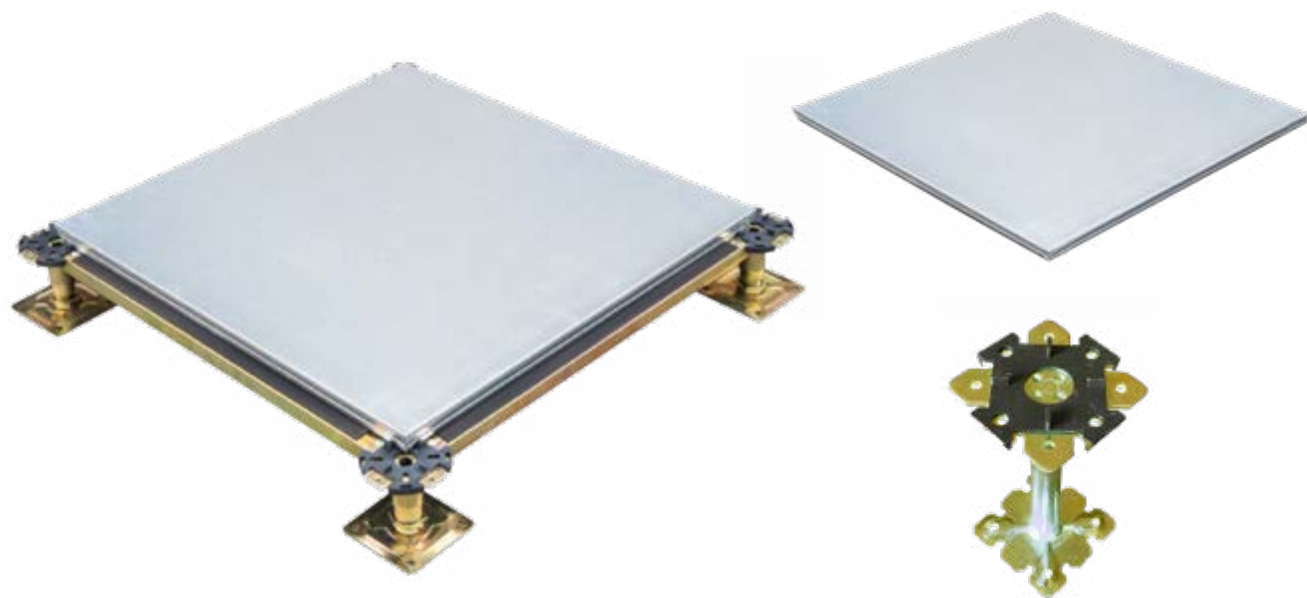
Supported by the natural properties of the system, Eclipse aluminium system has no outgassing issue, while maintaining the convenience of a raised floor.

This system is highly suggested for clean rooms and other rooms with high loading needs for a worry-free future.

## ADVANTAGES

- No outgassing issue in the long term
- Sturdy and durable
- Flame retardant, Moisture proof, Anti-corrosive material

# CALCIUM SULPHATE



## ENCAPSULATED PANEL

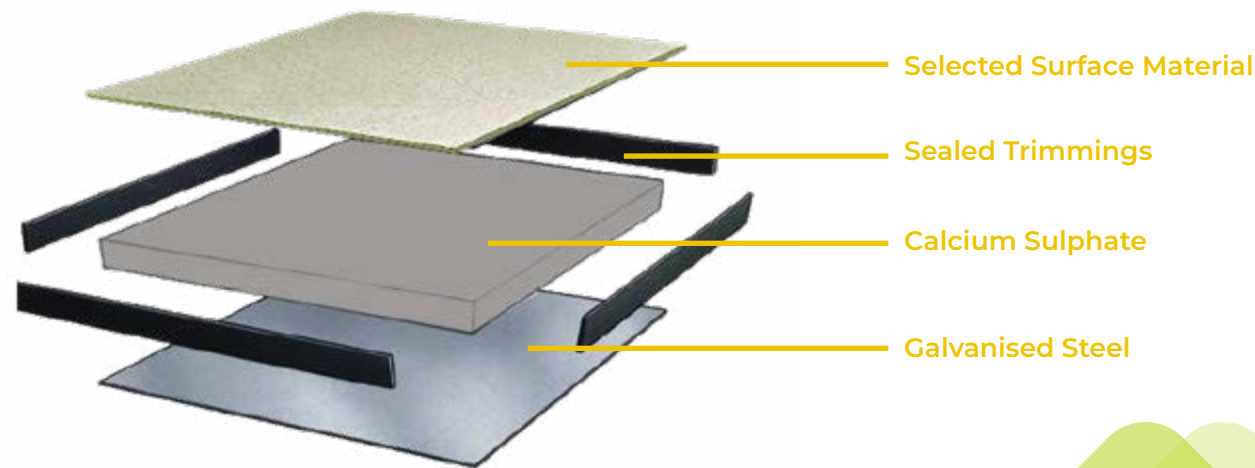
A breakthrough technology is used to create the Eclipse Calcium Sulphate Raised Floor.

Eclipse Calcium Sulphate Raised Floor has a high density calcium sulphate core and may be paired with either encapsulated steel or with ABS sealed trimmings.

The encapsulated panel version is mostly used in office buildings.

## ADVANTAGES

- Made with recyclable calcium sulphate powder and pulp
- No detrimental effect when attacked by moisture & termites
- Sturdier than most other panels
- No hollow sound when stepped on
- Flame Retardant material

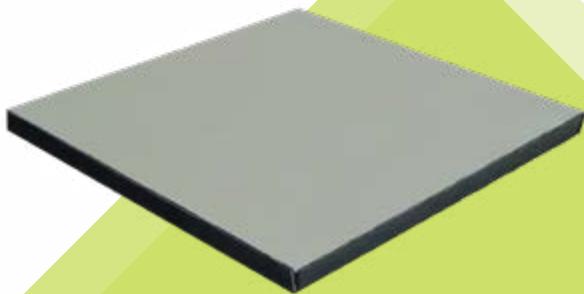


## ABS SEALED PANEL

For added flame resistance, the Eclipse Calcium Sulphate Raised Floor can be coupled with ABS sealed trimmings.

The ABS sealed panel is often used in data center, computer rooms with it's enhanced anti-static properties.

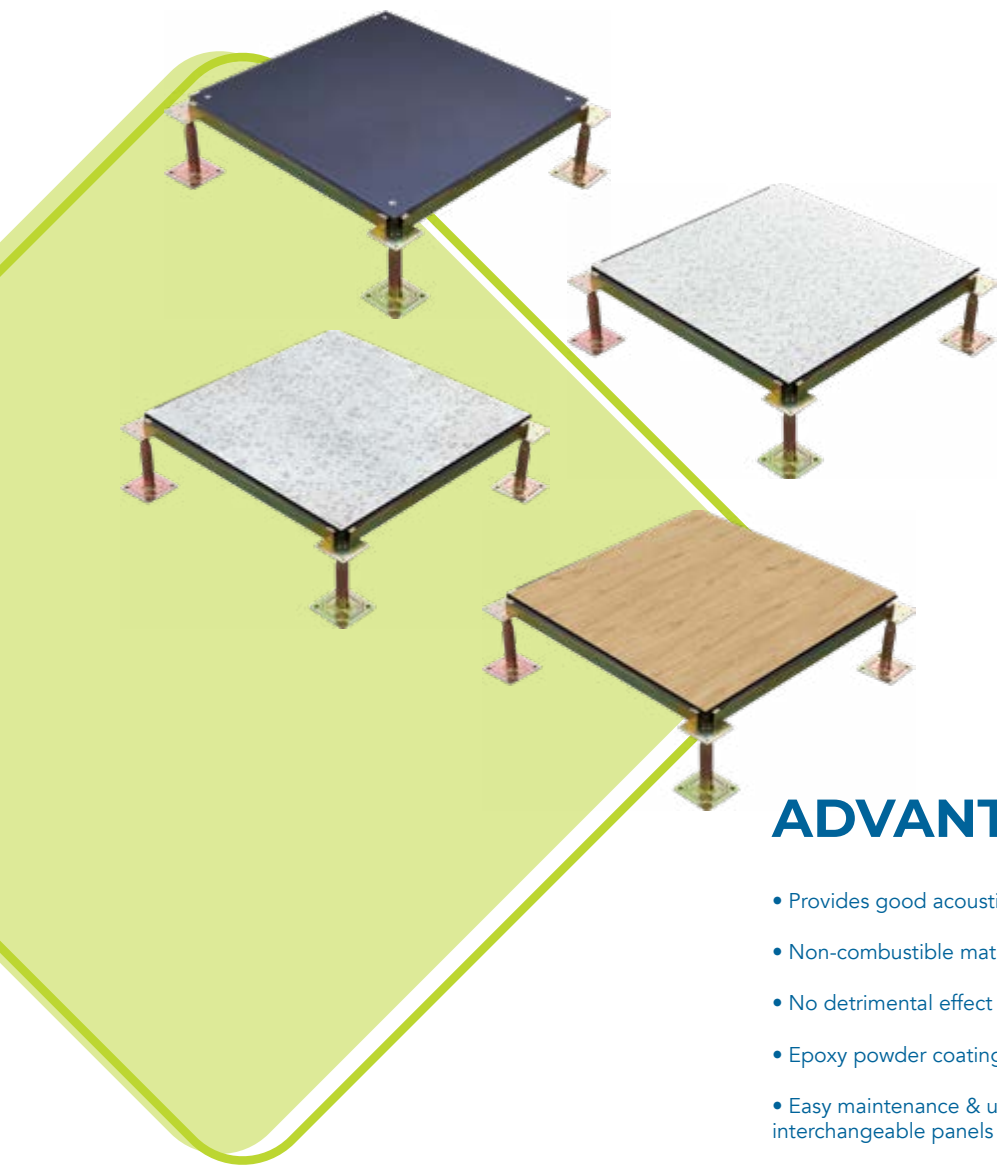
On top of that, different finishes of High Pressure Laminate (HPL) or Vinyl surface is available.



| Panel | Understructure System | Panel Thickness     | Concentrated Ld<br>kN/6.45cm <sup>2</sup> | Uniform Ld<br>kN/m <sup>2</sup> | Ultimate Ld<br>kN | Impact Ld<br>kN |
|-------|-----------------------|---------------------|---|---------------------------------|-------------------|-----------------|
| C1000 | Bolted Stringer       | 30 mm<br>(± 0.5 mm) | 4.5                                       | 23.3                            | 9.0               | 0.67            |
| C1250 | Bolted Stringer       | 31 mm<br>(± 0.5 mm) | 5.6                                       | 33.1                            | 11.2              | 0.67            |
| C1500 | Bolted Stringer       | 35 mm<br>(± 0.5 mm) | 6.7                                       | 42.6                            | 13.4              | 0.67            |

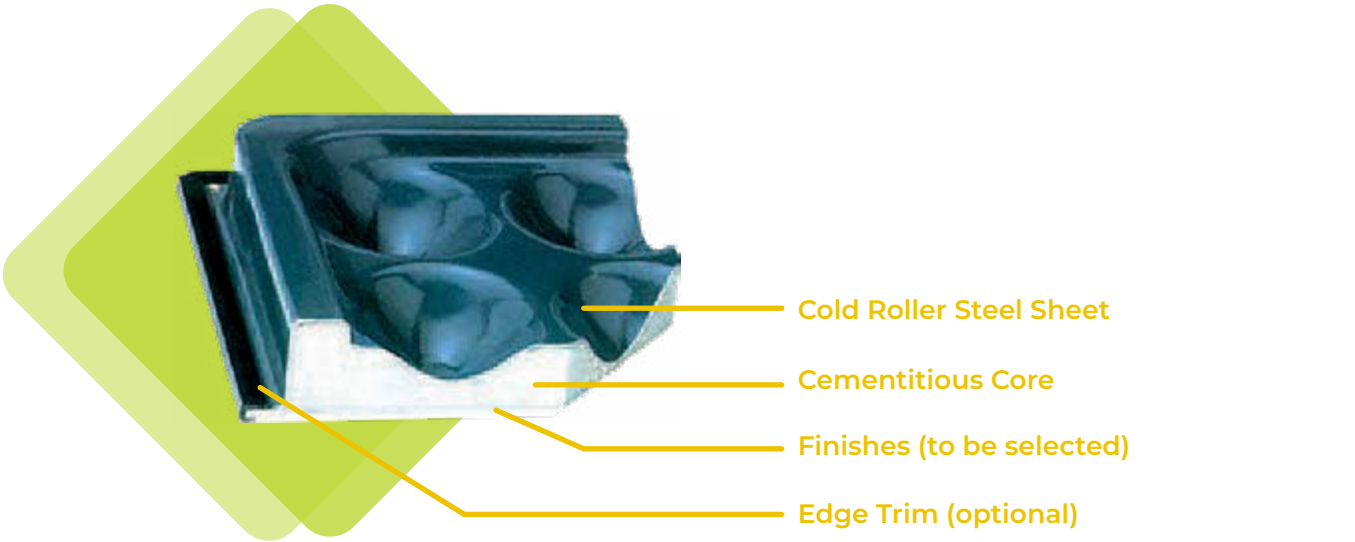


# CEMENTITIOUS CORE JS 600 SERIES



## ADVANTAGES

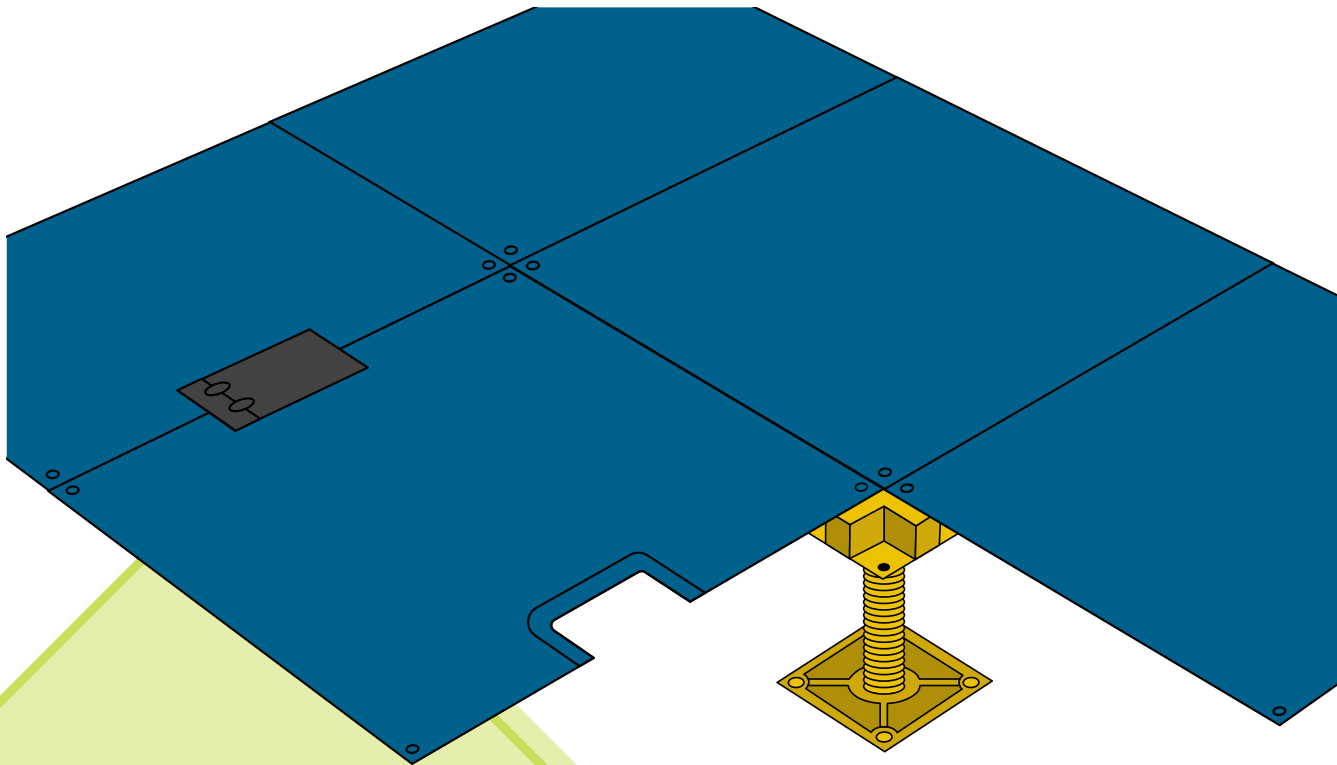
- Provides good acoustic performance
- Non-combustible materials - Class 2
- No detrimental effect when attacked by moisture & termites
- Epoxy powder coating offers limited lifetime protection
- Easy maintenance & upgrading with dimensionally accurate interchangeable panels
- Superior static, dynamic and ultimate load performance
- Excellent grounding and electrical continuity



The JS series of resistance welded steel panels with cementitious core is specifically designed to withstand some of the highest performance criteria in the industry.

| Panel | Understructure System | Panel Thickness       | Concentrated Ld<br>kN/6.45cm <sup>2</sup> | Uniform Ld<br>kN/m <sup>2</sup> | Ultimate Ld<br>kN | Impact Ld<br>kN |
|-------|-----------------------|-----------------------|---|---------------------------------|-------------------|-----------------|
| U800  | Cornerlock            | 32.5 mm<br>(± 0.5 mm) | 3.6                                       | 9.6                             | 10.8              | 0.67            |
|       | Bolted Stringer       |                       |   |                                 |                   |                 |
| U1000 | Cornerlock            | 32.5 mm<br>(± 0.5 mm) | 4.5                                       | 12.0                            | 13.5              | 0.67            |
|       | Bolted Stringer       |                       |   |                                 |                   |                 |
| U1250 | Cornerlock            | 33 mm<br>(± 0.5 mm)   | 5.7                                       | 15.0                            | 17.1              | 0.67            |
|       | Bolted Stringer       |                       |   |                                 |                   |                 |
| U1500 | Cornerlock            | 33 mm<br>(± 0.5 mm)   | 6.8                                       | 18.0                            | 20.4              | 0.78            |
|       | Bolted Stringer       |                       |   |                                 |                   |                 |
| U2000 | Cornerlock            | 34 mm<br>(± 0.5 mm)   | 9.1                                       | 24.0                            | 27.3              | 0.89            |
|       | Bolted Stringer       |                       |   |                                 |                   |                 |
| U2500 | Cornerlock            | 34 mm<br>(± 0.5 mm)   | 11.4                                      | 30.0                            | 34.2              | 0.89            |
|       | Bolted Stringer       |                       |   |                                 |                   |                 |

# CEMENTITIOUS CORE OA 500 SERIES



Made with the same technology as the JS Series, the OA Series comes in the dimension of 500 x 500mm.



Top & Bottom of Panel

Top & Bottom of Panel

## ADVANTAGES

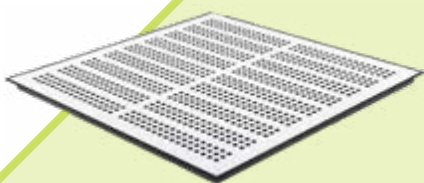
- Provides good acoustic performance
- Non-combustible materials - Class 2
- No detrimental effect when attacked by moisture & termites
- Epoxy powder coating offers limited lifetime protection
- Easy maintenance & upgrading with dimensionally accurate interchangeable panels
- Superior static, dynamic and ultimate load performance
- Excellent grounding and electrical continuity
- Easy to handle
- Panel size matches the size of most commercial carpet tiles
- Suitable for odd shaped rooms

| Panel | Understructure System | Panel Thickness     | Concentrated Ld<br>kN/6.45cm <sup>2</sup> | Uniform Ld<br>kN/m <sup>2</sup> | Ultimate Ld<br>kN | Impact Ld<br>kN |
|-------|-----------------------|---------------------|---|---------------------------------|-------------------|-----------------|
| U800  | Cornerlock            | 33 mm<br>(± 0.5 mm) | 3.6                                       | 9.6                             | 10.8              | 0.67            |
|       | Bolted Stringer       |                     |   |                                 |                   |                 |
| U1000 | Cornerlock            | 33 mm<br>(± 0.5 mm) | 4.5                                       | 12.0                            | 13.5              | 0.67            |
|       | Bolted Stringer       |                     |   |                                 |                   |                 |

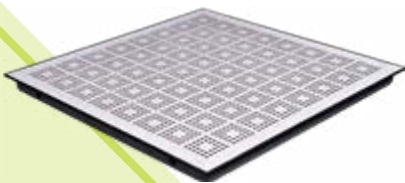
# SERVER ROOM FRIENDLY

Steel Perforated panel is specially designed to allow air flow through the raised floor up to the equipment.

## STEEL



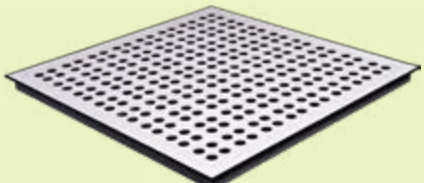
17% Perforated Steel Panel



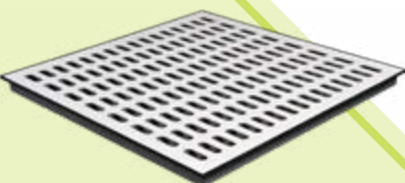
22% Perforated Steel Panel



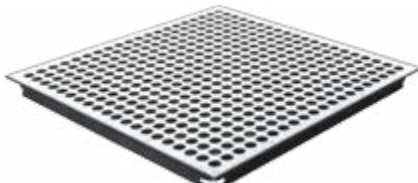
28% Perforated Steel Panel



30% Perforated Steel Panel



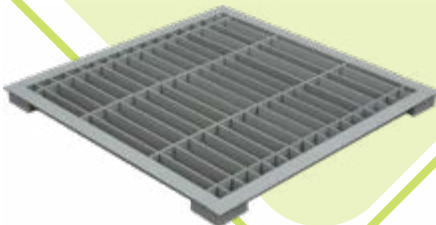
36% Perforated Steel Panel



45% Perforated Steel Panel

Steel perforated panels have multiple perforation level available as compared to other materials’ perforated panels. The steel panel is also available in multiple finishes.

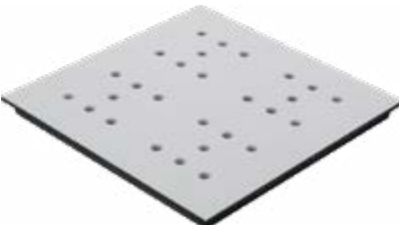
## IRON



80% Perforated Iron Panel

Iron perforated panels are much sturdier with a high air flow rate available.

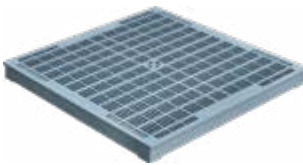
## CERAMIC



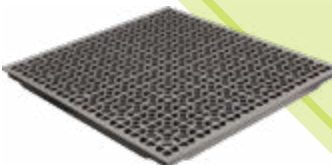
15% Perforated Ceramic Panel

Ceramic perforated panels have high heat resistant, and low electrical and thermal conductivity.

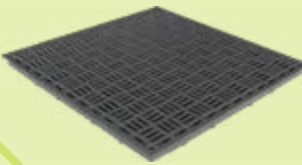
## ALUMINIUM



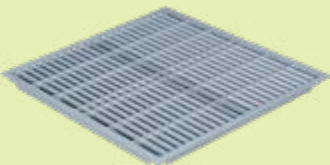
50% Perforated Panel



55% Perforated Panel



56% Perforated Panel



68% Perforated Panel

Aluminium perforated panels are generally lighter in weight than the other perforated panels. Aluminium panels are also non-magnetic, suitable for use around medical or other equipments without causing interference.

## DAMPERS



Opposed Blade Damper



Round Damper



Sliding Damper

## Pairing Panels & Dampers

|           |     | Opposed Blade Damper | Round Damper | Sliding Damper |
|-----------|-----|----------------------|--------------|----------------|
| Steel     | 17% |                      |              | ●              |
|           | 22% |                      | ●            |                |
|           | 28% |                      | ●            |                |
|           | 30% |                      |              | ●              |
|           | 36% |                      |              | ●              |
|           | 45% |                      |              | ●              |
| Iron      | 80% | ●                    |              |                |
| Ceramic   | 15% |                      |              | ●              |
| Aluminium | 50% | -                    | -            | -              |
|           | 55% | ●                    |              |                |
|           | 56% | ●                    |              |                |
|           | 68% | ●                    |              |                |



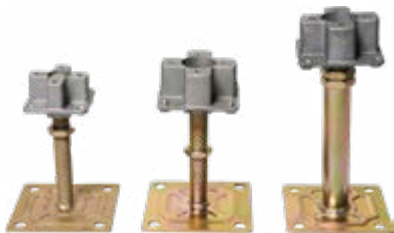
# ACCESSORIES

To cater for easy installation, variety of spaces & requirements, our panels are accompanied by several accessories. These accessories come together with the panels to form a complete system.

## UNDERSTRUCTURE



Stringers



Crosshead Pedestal



Flathead Pedestal

## OTHER ACCESSORIES



Air Diffuser



Integral Grommet

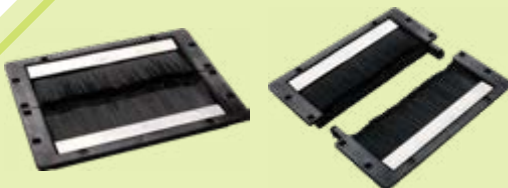


Diameter 150mm



Diameter 195mm

Round Grommet

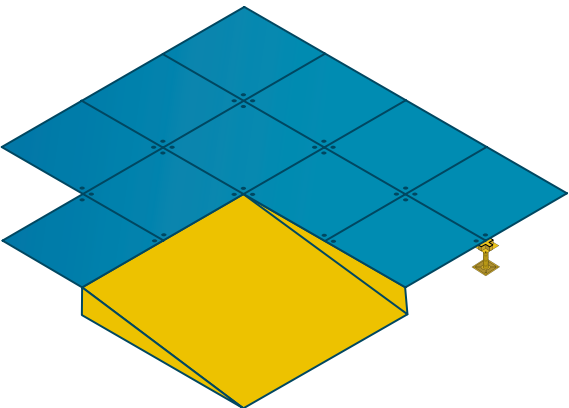


Surface Brush Grommet

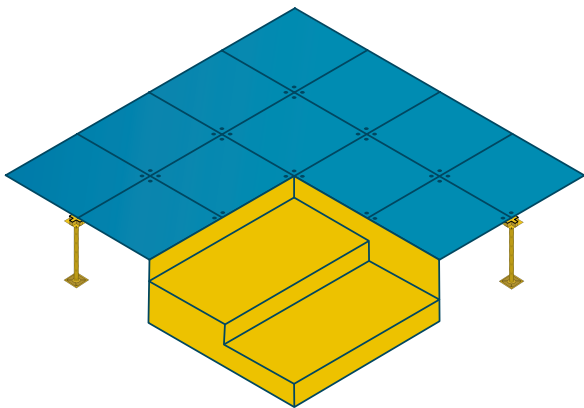


Double Cup Lifter

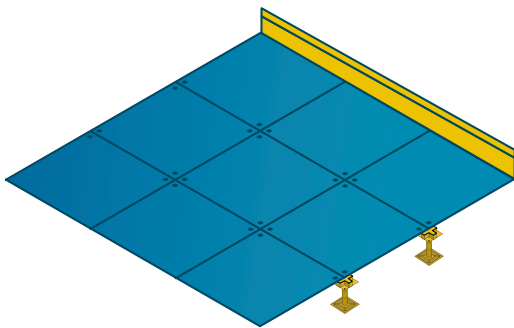
## OTHER ACCESSORIES



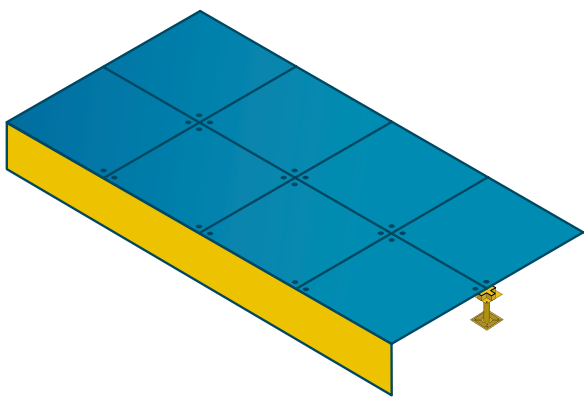
Mild Steel ramp



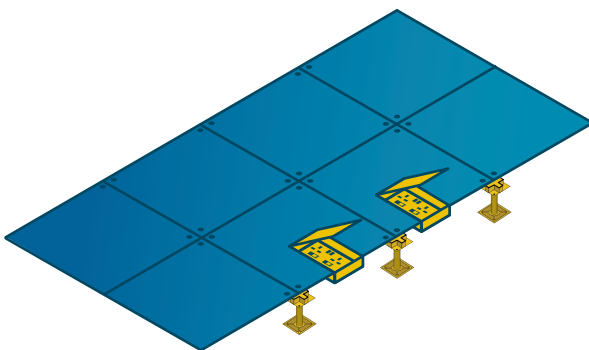
Access Steps



PVC Skirting



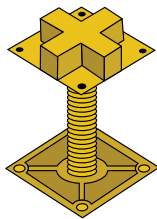
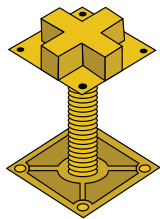
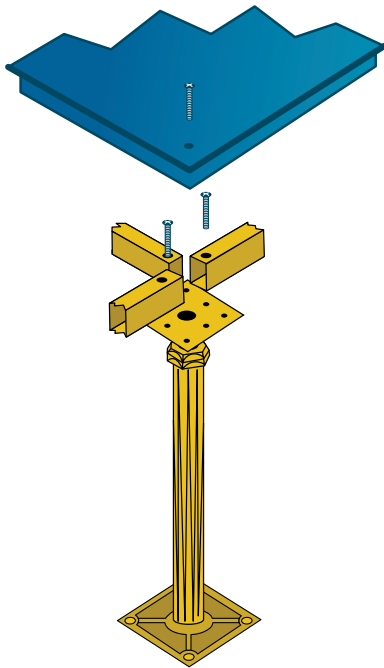
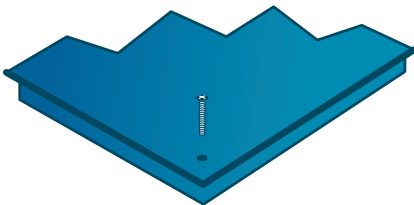
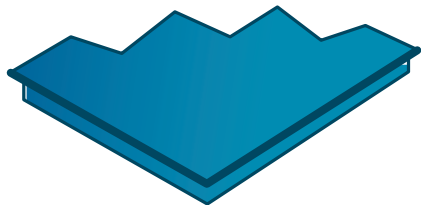
Mild Steel Fascia/ Closure Plate



SOB Boxes

# AVAILABLE SYSTEMS

# INSTALLATION METHOD



### Lay On System

- Panels are loosely laid, while supported with pedestals
- Recommended finished floor heights from 75mm - 150mm max
- No stringers required
- Fasteners are optional
- Suitable for frequent maintenance spaces

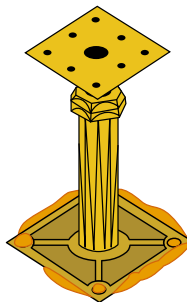
### Cornerlock System

- Panels are secured to the understructure pedestal with fasteners
- Recommended finished floor heights from 75mm - 200mm max
- No stringer required
- A more secured version as compared to Lay On system

### Bolted Stringer System

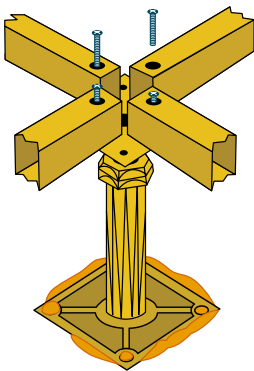
- Panels are secured to the understructure with fasteners or loosely laid into the grid
- Recommended finished floor heights from 150mm - 1000mm max^
- Used in most raised floor systems
- Bolted stringers boost the stability of the raised floor

^For finished floor heights above 1000mm, please contact Getz Technical Department for advice.



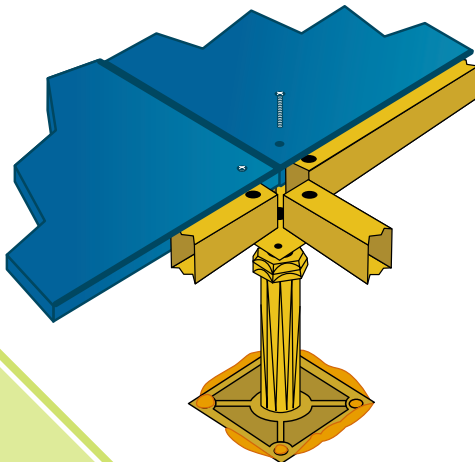
### Step 1

Apply adhesive and pedestal to pre-marked spots.



### Step 2

Bolt down stringers onto pedestal heads.



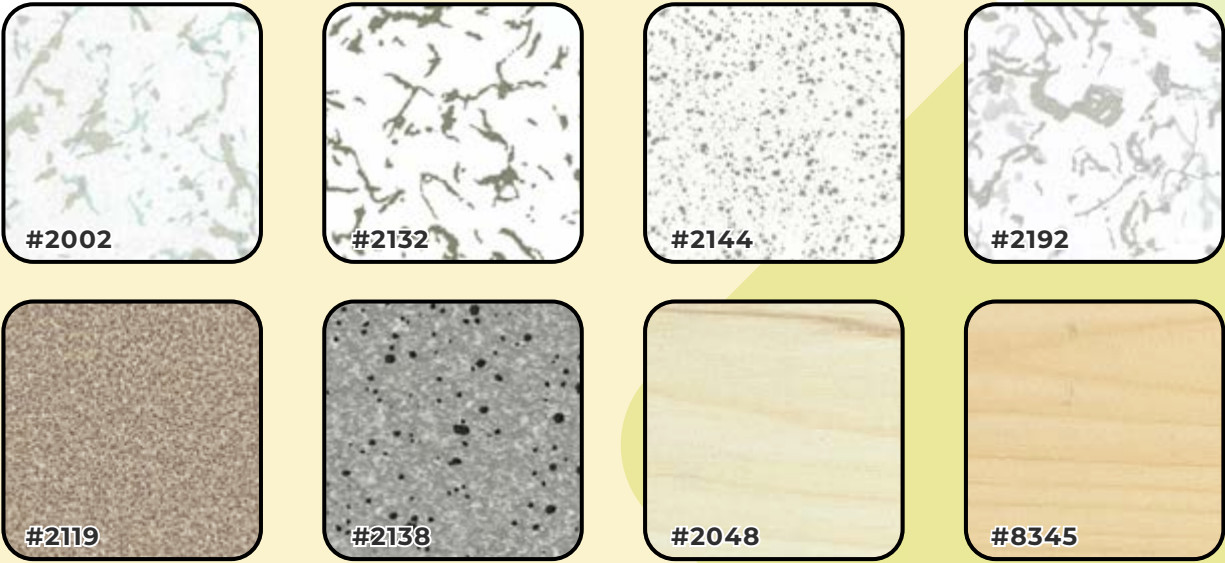
### Step 3

Place panels in, bolt down.

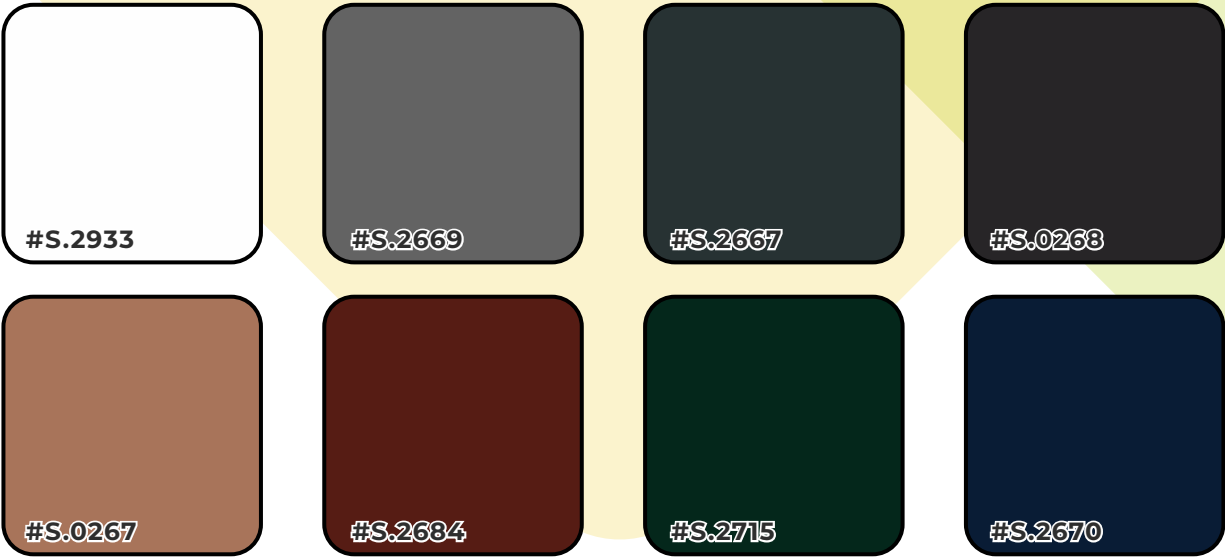
\*For illustration purpose only.

# FINISHES AND COLOURS

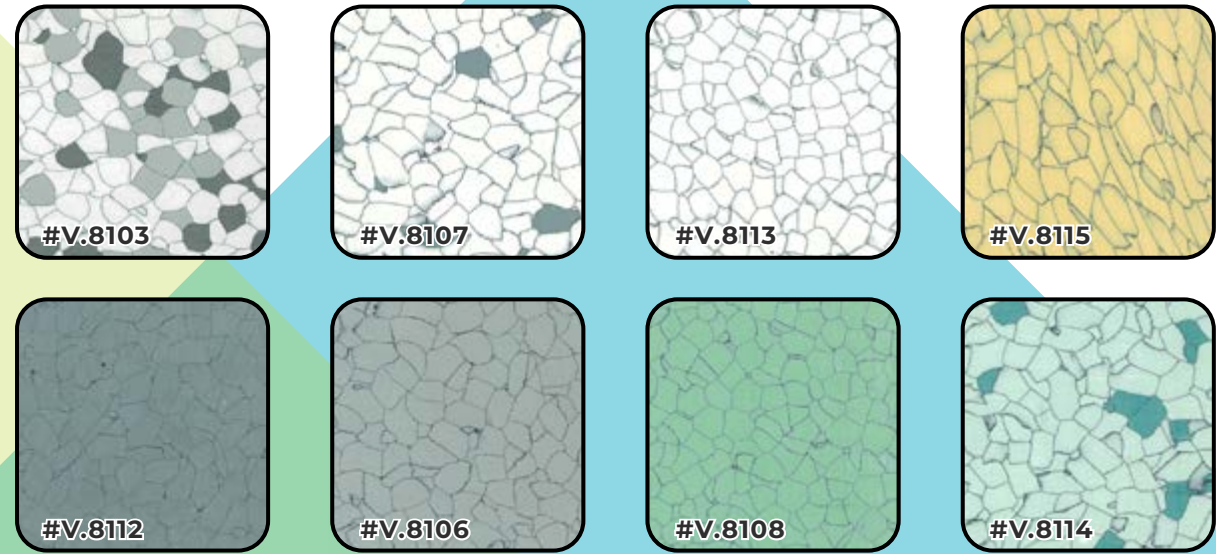
## Anti-Static High Pressure Laminate



## Solid Colour High Pressure Laminate



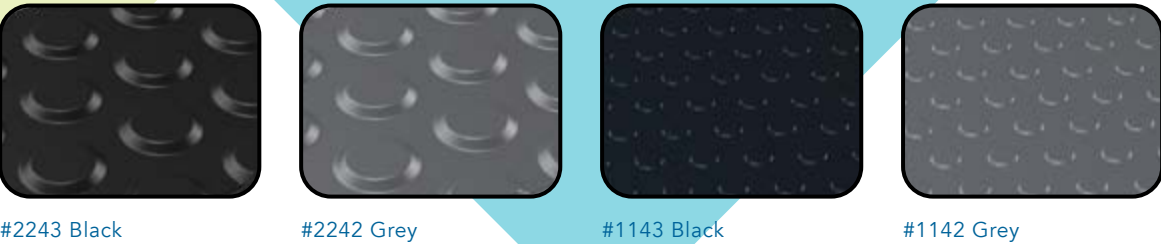
## Anti-Static Conductive Vinyl



## Woodgrain Vinyl



## Rubber Studs



\*Please contact Getz salesperson should you require other colours not shown above.



# PROJECT REFERENCE

Since the 90s, Eclipse Raised Floor system has been chosen extensively by Architects in the construction of tech-savvy and modern buildings.



Supreme Court



Supreme Court



Aperia Tower 1



Aperia Tower 1



National Library Board



Solaris @ Fusionopolis

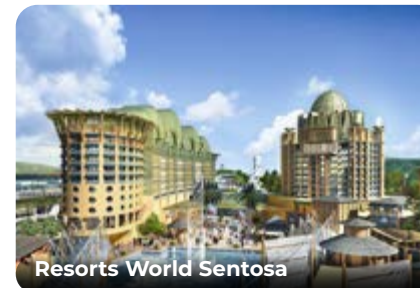
## Singapore Projects\*

- Air Observatory Building
- Aperia Tower 1
- Cargo Airports & Airline Services (CAAS)
- Changi Airport T3
- Changi Water Reclamation Plant
- Citibank Office @ Changi Business Park
- Education Resource Centre @ NUS
- Gombak Camp
- Housing Development Board Building
- National Library Board @ Victoria Street
- New Supreme Court
- NTUC Building
- Micron Office Building
- Ocean Financial Center
- One Exchange Green
- Orange Tee Building
- Parkway Novena Hospital
- People's Association Headquarter
- Resorts World Sentosa
- Seagate Building
- Singapore Hokkien Huay Kuan
- SMRT Headquarters
- Solaris @ Fusionopolis
- Standard Chartered Bank
- Twenty Anson
- UOB Annex
- Westgate Office Tower
- XLINX @ Changi Business Park Vista

\*Projects stated are including but not limited to the above list.



Rohde & Schwarz Singapore



Resorts World Sentosa



Citibank Instant Banking Centre



Ocean Financial Center



Ocean Financial Center



Twenty Anson



Seagate Building

## International Projects\*

- Air Force (Guangzhou) HQ, China
- China Ocean Shipping Company, China
- Dongguan Yuyuan Industrial Park, China
- Galaxy Starworld, Macau
- Higher Tech College, Abu Dhabi
- Hwawei Group, China
- Immigration Service Institute, Hong Kong
- Macau Ferry Terminal, Macau
- Police Training School, Hong Kong
- Standard Chartered Bank, Kenya
- University of Macau
- Viettin Bank, Vietnam
- Wyler Centre 1, Hong Kong
- Yau Chai Hospital, Hong Kong

\*Projects stated are including but not limited to the above list.

# ECLIPSE

ACCESS FLOOR SYSTEM



**Getz Bros & Co. (Singapore) Pte Ltd**  
38C Jalan Pemimpin #04-01, Singapore 577180  
+65 6897 8588 | [getz-sg@getz.com.sg](mailto:getz-sg@getz.com.sg) | [www.getz.com.sg](http://www.getz.com.sg)