



www.flourishaccessfloor.com

Flourish
Access Floor Private Limited



Offices



Retails



Server Rooms



Airport



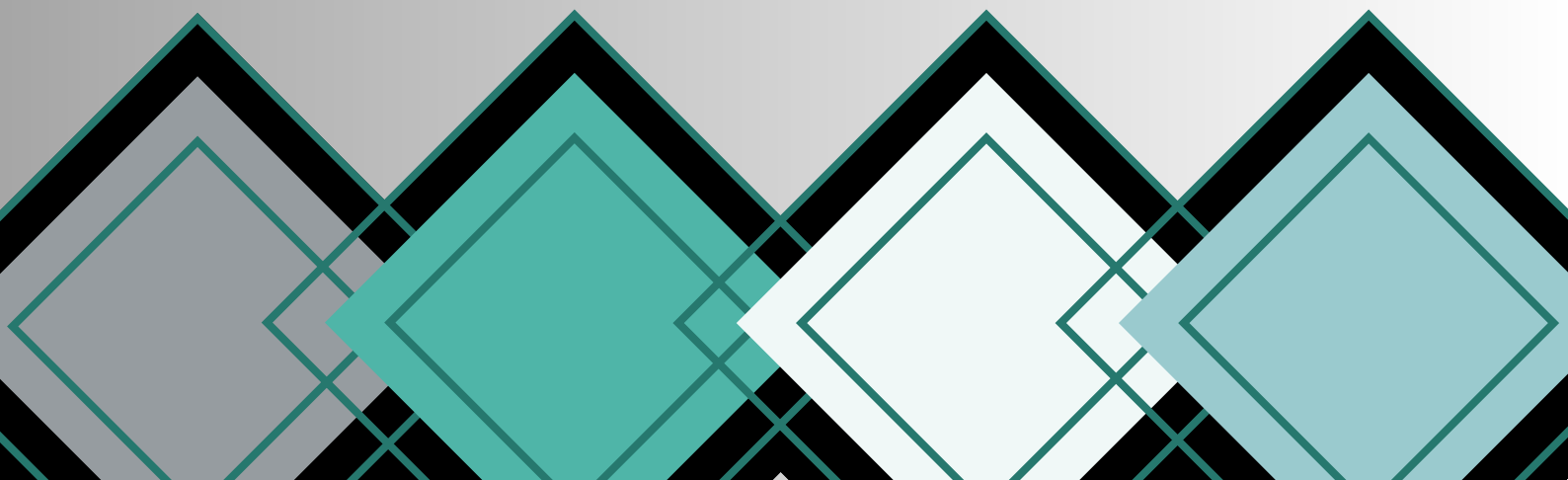
Metro



Data Center



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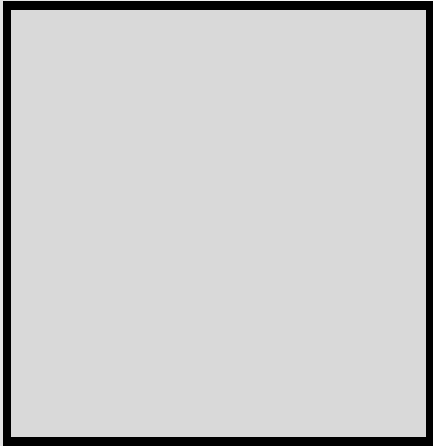


Technical Specification

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Category	Bolted Stringer System
Panel Size	600 * 600 mm
Core Material	Light Weight Cement Concrete
Panel Weight	13.60 kgs.
Panel Core Thickness	34 mm
Weight Of System	40 kg/m2 For FFH 200 mm (varies with height)
Overall Floor Height	125mm - 1500mm With Change In Understructure

PANEL



PANEL DISCRIPTION

FAF 800 Access Floor Panels having dimensions of 600 x 600 mm + 0.60 mm are all Steel welded construction with an enclosed bottom pan of 64 hemispherical cones . The Top plain Sheet is fuse welded to the bottom pan at 117 Locations to form a Panel of an overall thickness of 34 mm. which includes a 1.00 mm thickness Anti-static High-pressure Laminate (HPL), factory Laminated on the top surface of the panel, and finished on all four sides with edge protective PVC Beading. The 12.5 mm flange on the perimeter is provided with **FOLDED GUSSETS** at the four corners.

The Panel after required pre-treatment is epoxy coated to a thickness of 40 to 60 Microns epoxy coating to ensure corrosion resistance. The inner empty core of the Panel is injected with a light weight, non-combustible cementations compound at high pressure to fill in all the crevices of the Panel and ensure support of not less than 90% of the top surface area of the Panel.

Panel are capable of with standing 0800 lbf point load

SUB-STRUCTURE - PEDESTAL & STRINGER ASSEMBLY

Substructure installed to support the panel shall be suitable to achieve a minimum finished floor height of 125 mm TO 1500 mm from the existing floor level. Pedestal design shall confirm speedy assembly and removal for relocation and maintenance. The assembly shall provide easy adjustment of leveling and accurately align panels in the vertical direction. Pedestals shall support an axial load without permanent deflection and an ultimate load as laid out in the System Performance requirement. All steel components shall be Hot Dip Galvanized.

The pipe (Base Pedestal) will have a Polycarbonate bush to engage with the threaded position of the Pedestal head. The stud (Pedestal head) shall fit snugly in to the bush to avoid lateral movement of the Pedestal head & avoid rattling noise. The Pedestal Components shall be Zinc electro plated.

The Stringers used for these particular panels are of 565 mm length x 20 mm wide x 32 mm height.

The Sub structure assembly shall be anchored to the floor with suitable adhesive or fastener as recommended by the Consultant/Manufacturer.

APPLICATIONS

Server Rooms
Corporate Offices
Gamming Zones
Computer Rooms

On the perimeter is provided with **FOLDED GUSSETS** at the four corners to lend additional stiffness, rigidity, and stability to the panels.

Enhanced load-bearing capacity

Higher footprint area on pedestal head leading to enhanced stabilty & improved load carrying capacity

No overlapping of panels

Edge support design reduces the risk of damage to the panel edges during exposures to rolling and impact loads at site.

FUTURES OF PANEL



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PRODUCT STRUCTURAL PERFORMANCE

Concentrated Load (Point Load)	363 kgs. (800 ibf)
Uniformly Distributed Load (UDL)	1900 kg/m² UDL Pneumatic Bag T
Ultimate Concentrated Load	905 kgs. (2000 ibf)
Rolling Loads	190 kgs. (418 ibf)

PEDESTAL STRUCTURAL PERFORMANCE

Pedestal Axial Load Test	22 KN .
Pedestal Over Turning Moment Test	113 Nm

PRODUCT STRUCTURAL PERFORMANCE

Soft Body Impact Test	System dose not collapse on or after impact of a 40 kgs. canvas bag filled with dry sand being dropped from a height of 1000 mm
Hard Body Impact Test	System dose not collapse on or after impact of a 4.5 kgs. Steel indentor dropped from a height of 600 mm

FABRICATION TOLERANCE

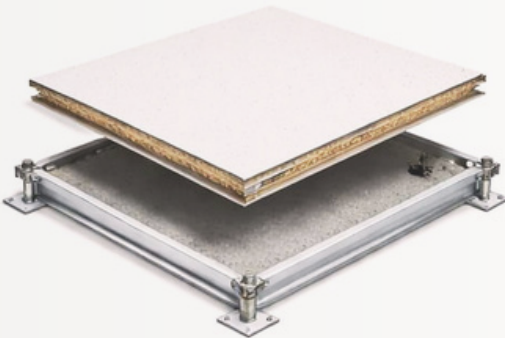
Floor Panel Flatness	+ 0.75 mm in any direction
Floor Panel Width or Length from specified size	+ 0.50 mm
Floor Panel Squareness	+ 0.38 mm
Gaps between installed adjacent panels	+ 0.50 mm



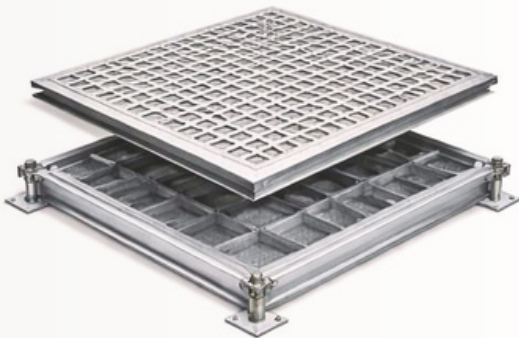
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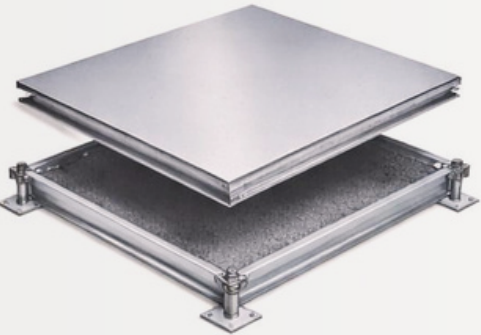
Standard HPL Panel



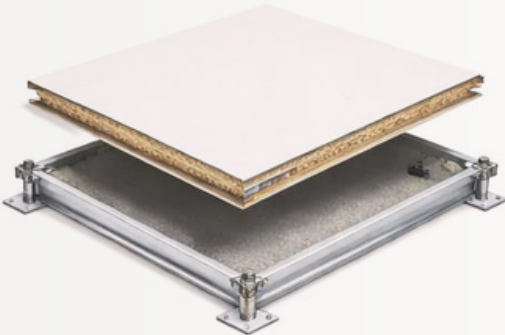
Calcium Sulfate Panel



Perforated Vent Panel



Bare Steel Panel



Woodcore Panel



Grated Heavy-Duty Panel

Flourish Access Floor Selection Chart

PANELS		LOAD IN KGS.			ROLLING PASSES	
Name	Description	Concentrated Per Sq. In.	Uniform Per Sq. Mt.	Ultimate Per Sq. In.	10	1000
FAF 800	NORMAL	363	1496	953	362	272
FAF 1000	STRONG	453	1722	1220	453	362
FAF 1250	HEAVY	567	2267	1463	566	453
FAF 1500	EXTRA HEAVY	680	2720	1829	680	566



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Flourish Access Floors

Access Floor System Designed To Exceed Requirement For The Present And Future

High Performance, Energy Efficient Buildings

Rising energy costs and green legislations for environmental conservation are changing the demands on built environments. New buildings and renovations strive to offer flexible indoor spaces that reduce the environmental impact of construction and building operations.

Flourish Access Floor systems provide an effective solution to these new demands while delivering high performance benefits in improving the indoor environment and providing sustainable returns by reduction in energy consumption and material use, and at the same time proving to be cost effective to traditional construction. As a direct result, raised floors with underfloor service distribution have become standard solutions in commercial construction today.

At Flourish, we diligently assist developers and clients with advice on Access Floors that cover initial inquiry to specifications building, budgeting, supply. Installation and maintenance.

Why Flourish Access Floors?

FIRST BUILD BENEFITS

- Reduce slab-to-slab height
- Reduce labour costs
- Reduce materials: cabling, wiring, ducting, structural materials
- Streamline construction schedule

LONG-TERM BENEFITS

- High flexibility in floor plan reconfiguration of equipment/workstations: in matter of hours
- Easily accommodate technology advances
- 30% reduction in energy costs

HIGH PERFORMANCE ENVIRONMENT

- Data, voice, electrical on-demand
- Conceals data cables, trays and wirings, thereby giving a neat and uncluttered appearance to the Helps in easy movement and in avoiding the dangers of hanging or expanding power connections

GREEN BUILDING

- Improved indoor air quality
- Reduced energy consumption
- Reduced first-build and long-term waste

IDEAL MARKETS FOR ACCESS FLOORS

- Offices, Call Centres, Internet Data Centres, Retail, Air Traffic Control, Hospitals, Institutions, Cinema Halls and many more applications.

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We installed this modern powder coating unit which provides even coating on the panels. This unit is designed for accurate and fast work.

Automatic Powder Coating Unit

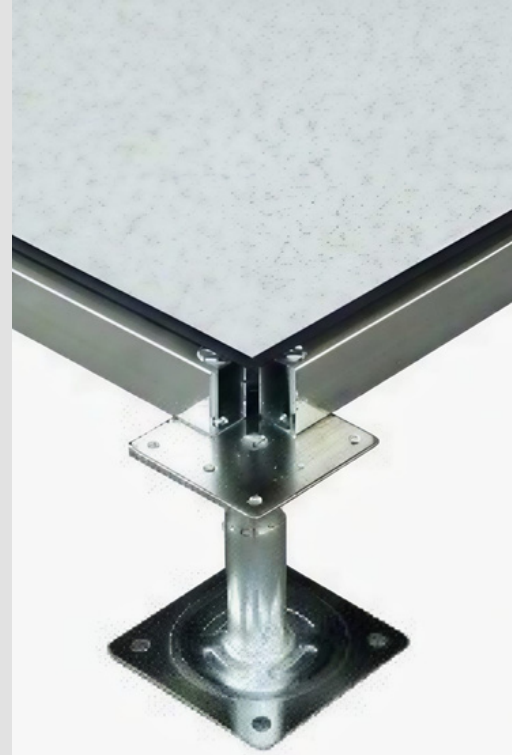




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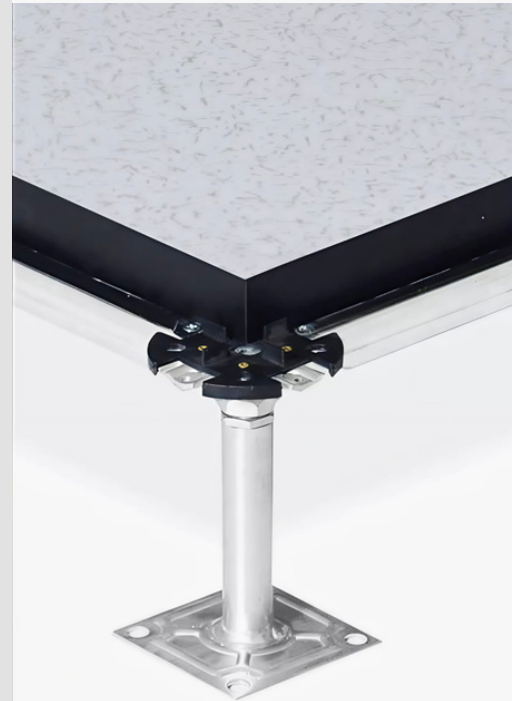
STRINGER SYSTEM

Stringers are located on pedestals, creating a 600mmx600mm grid, which enhances stability of the floor and improves the load performance. The panels are loose laid into the grid. The panels are supplied and installed in factory fitted floor coverings such as Anti-static High Pressure Laminate (HPL) or Vinyl. Finish floor height from 75mm to 1500mm.



WOODCORE STRINGER SYSTEMS

Stringers are snapped on to grooves on the round pedestal head creating a grid of 600mmx600mm or 610mmx610mm which then forms an edge support grid system which increases the structural stability. The Woodcore panels are then laid on a gravity - held system that is extremely dynamic. These panels are top finished with the clients choice of Laminates or Vinyl and a bottom finish of either Aluminium foil or a GI sheet. These floor heights vary from 200mm to 1500mm.



CORNERLOCK SYSTEM

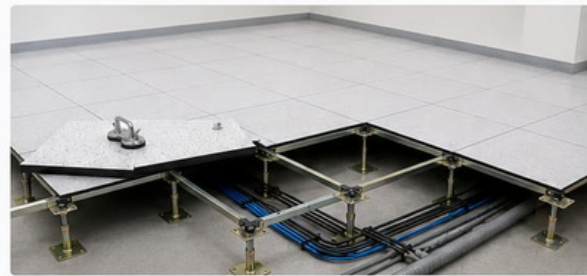
Location of the panel is positively retained using Cornerlock Screws fixed directly to pedestal. Bare steel panels are supplied and installed in powder Coated Epoxy Paint finish ready to accept an independent floor covering on site, Finishing floor height from 75mm to 1500mm.





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RAISED ACCESS FLOOR - ALL PRODUCTS



FLOOR PANELS



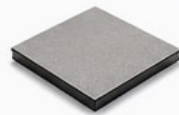
CALCIUM SULFATE PANEL
Size: 600x600x33/35mm
Types: Bare / HPL / PVC



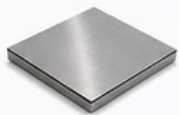
WOOD CORE PANEL
Size: 600x600x28/30/32mm
Types: Bare / HPL / PVC



STEEL ENCAPPED PANEL
Size: 600x600x28/30/32mm
Types: Bare / HPL / PVC



CEMENTITIOUS PANEL
Size: 600x600x28/30mm
Types: Bare / HPL / PVC



ALUMINUM PANEL
Size: 600x600x28/30mm
Types: Bare / HPL

PEDESTALS



STANDARD PEDESTAL
H: 50mm - 1000mm



HEAVY DUTY PEDESTAL
H: 50mm - 1500mm



HIGH LOAD PEDESTAL
H: 50mm - 2000mm



LOW HEIGHT PEDESTAL
H: 25mm - 50mm

STRINGERS



STRINGER
(H: 25/30mm)



HEAVY DUTY STRINGER
(H: 30/40mm)



CROSS STRINGER
(H: 25/30mm)

PANEL ACCESSORIES



PANEL LIFTER



GASKET
(Panel Bottom Gasket)



EDGING STRIP
(PVC / ALUMINUM)

INSTALLATION ACCESSORIES



STRINGER CLIP



STRINGER CONNECTOR



PEDESTAL HEAD
(Round / Square)



PEDESTAL CAP
(Steel / Plastic)

EDGE TRIMS



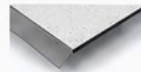
L TYPE EDGE TRIM



T TYPE EDGE TRIM



C TYPE EDGE TRIM



RAMP TYPE EDGE TRIM

AIR DIFFUSERS



PERFORATED PANEL



SLOTTED PANEL



BRUSHED PANEL

BRACKETS & SUPPORTS



WALL BRACKET



COLUMN BRACKET



STRINGER SUPPORT

MISCELLANEOUS



CABLE TRAY



CABLE MANAGEMENT RING



DAMPER



FLOOR BOX

FINISHING OPTIONS (FOR PANELS)



HPL FINISH



PVC FINISH



VINYL FINISH



RUBBER FINISH



WOOD FINISH



GRANITE FINISH



MARBLE FINISH



CARPET TILE

APPLICATIONS



DATA CENTERS



OFFICE BUILDINGS



CONTROL ROOMS



CLEAN ROOMS



INDUSTRIAL AREAS

RAISED ACCESS FLOOR INSTALLATION - FULL SETUP

COMPONENTS



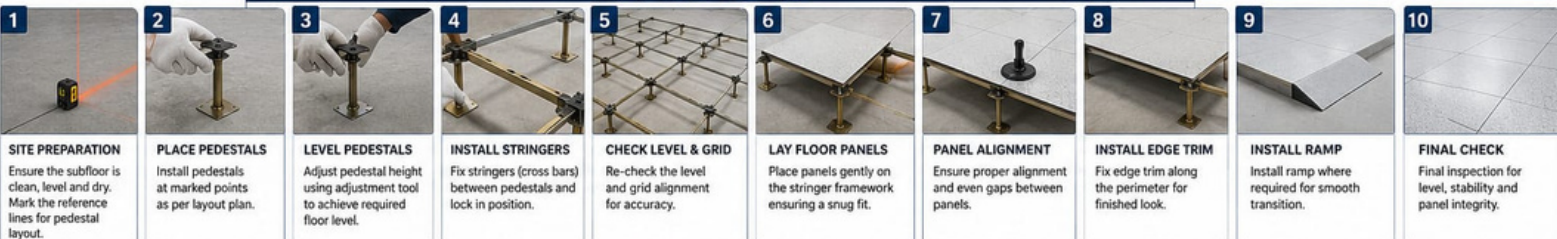
FINISHED SETUP



ACCESS TO UNDERFLOOR



INSTALLATION PROCESS





Flourish
Access Floor Private Limited

CREATING A BRIGHTER TOMORROW

Our mission is
to create
enduring
structures and
relationships.

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Our VISION is to provide Wide high quality
Access Floor products within reasonable
time frames coupled with dependable
customer service and client satisfaction.

GET IN TOUCH

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