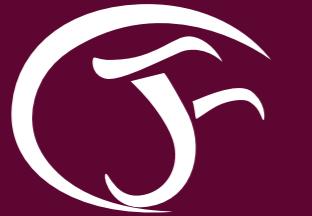


LEOR
RAISED ACCESS FLOORS



TEAM FLOORS

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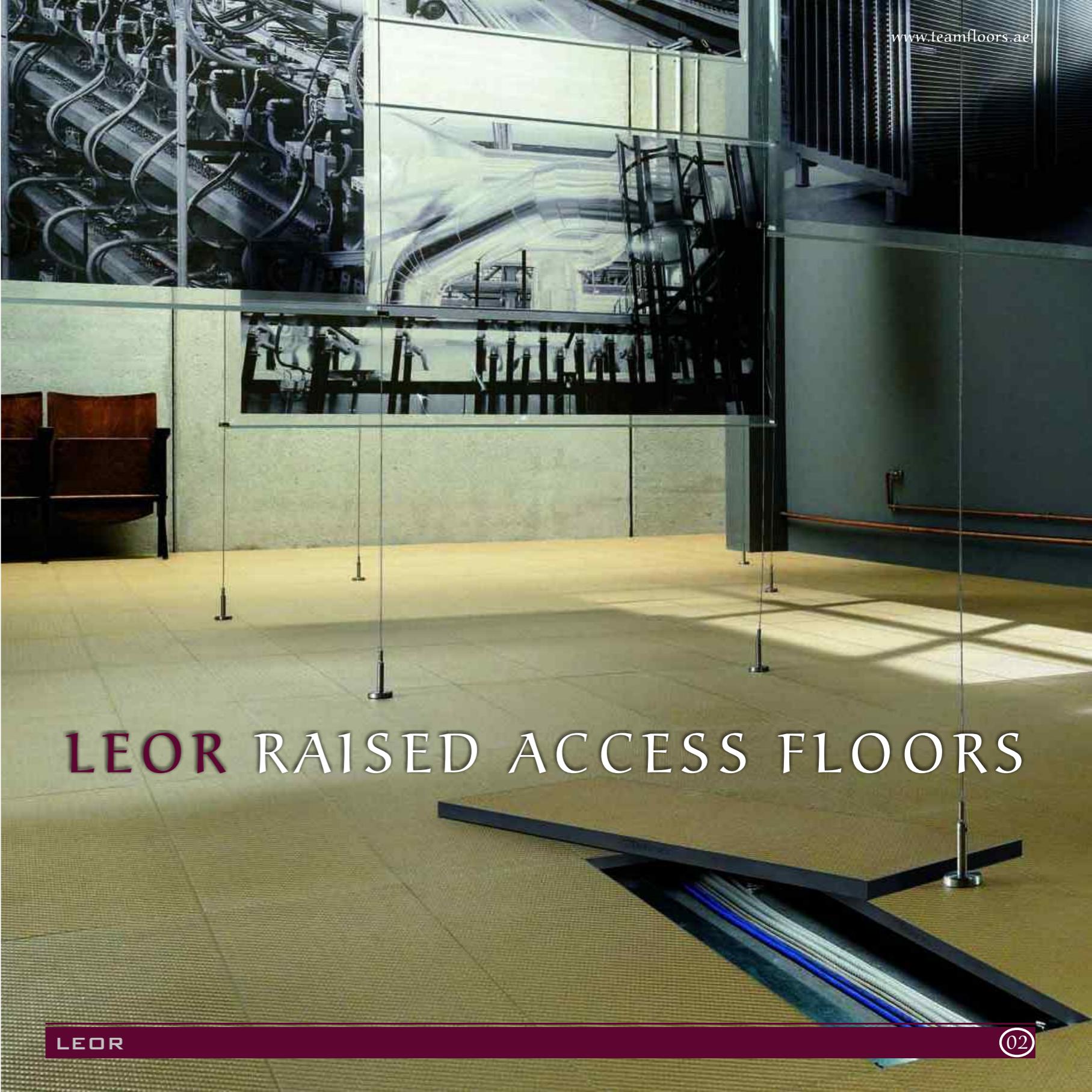


THE HEAVY DUTY RAISED ACCESS FLOOR

LEOR

RAISED ACCESS FLOORS

A complete raised access flooring solution across the country!



LEOR RAISED ACCESS FLOORS



LEOR Access Floor (The Heavy Duty Raised Access Floor)

INTRODUCTION

LEOR Raised Access Floor is a steel cementitious floor by TEAM FLOORS available for standard applications as well as extra heavy duty applications. It provides an elevated structural floor above a solid substrate to create a hidden void for the passage of mechanical and electrical services.



Raised floors are widely used in modern office buildings and computer rooms, where there is a requirement to route mechanical services, cables and electrical supply. The panels can be provided with various finishes.



Bare covering finish.
HPL or Vinyl covering finish.
The special design of panel ensures high mechanical resistance to comply with all the latest requirements of raised access floor performances.



Why use LEOR access flooring?

LEOR (Manufacture) floor is a specially designed raised access flooring which was established 15 years ago with ISO 9001 and ISO 14001 system, our products are certified by international standard CISCA and MOB.

Expertise

Our extensive knowledge gained over 15 years, and unique access to a wide range of raised access flooring system enables us to tailor our products and service to best meet your needs. We can confirm you of the different solutions available and guide you in choosing the product best suited to you. Our experience enables us to guide you through the entire process, from initial enquire to after care.

Installation

This product is installed by our skilled and highly experienced tradesmen.

Our services

We can offer a service which supports you throughout your projects and beyond

- A free of charge survey service.
- On-going customer care advice.
- Upgrading and maintenance.
- Project management.
- Estimation service.

Health and safety

We are committed to raising the safety, health and environmental awareness of all those who work for the group. This commitment is fully endorsed to all level of our employees, with continued and sustained program of education and training.

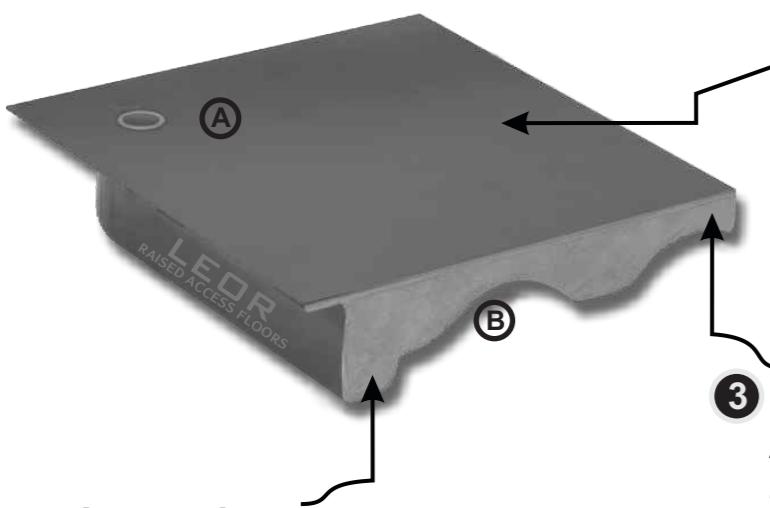


Maintenance

After installation, we offer on- going customer care advice when required.

CounterSunk fastening screw voids on each panel corner allow bare panel to be mechanically fastened to the corresponding understructure system. Fastening screws are electro-galvanized, ensuring corrosion resistance and the electrical continuity of the system. This option is not available in factory-finished panels.

(A) Structural Cell Domes are press-formed into the bottom sheet in order to distribute panel loads evenly, contributing to a better underfoot feel while reducing the weight load of the system on a building structure.



① Bottom Steel Sheet

Primary component of LEOR cement steel panel, the bottom sheet is manufactured by **press-forming** deep-draw steel into a unique, structurally superior dome array. The bottom sheet is welded to the top sheet in 100 locations. The thickness of the bottom sheet is variable and depends on the model type and load bearing capacity required.



② Flat Top Sheet

Secondary component of LEOR steel cement panel, the top sheet is made of flat virgin steel, cut to size, and welded to the bottom sheet in **100 locations**. The thickness of the top sheet is variable, and depends on the model type and load bearing capacity required.

③ Cement Fill

An inert cement based filler is injected into the welded and painted panel under high pressure. The combination of cement, ash, and plasticizers ensures **structural strength**, comfortable underfoot feel, and acoustic performance.



Steel Cementitious Floor

THE PANELS

LEOR access floor panel is made of high quality deep stretch coil steel sheet punched, spot-welded and epoxy powder coated. Panels may be covered with a variety of flooring finishes to suit the application, such as carpet tiles, high-pressure laminates, marbles, ceramic and antistatic finishes for use in computer rooms. When using a panel with cement top surface the panels are sometimes left bare and sealed or stained to create a tile appearance and save the customer money.



SPCC Steel

High quality foaming cement

ST-14 Steel

The panel is available in various thickness of steel sheet according to the mechanical performance required. It is filled with foamed cement using a high pressured pump to ensure that cement mix reaches all corners of the panel. It can be installed with holes on the corners to be locked on die-formed head pedestal or it can be installed on rigid grid made by bolted stringers. Panel dimension is controlled with high precision ensuring the full interchange between panels and complete access under the floor.



Panel Features

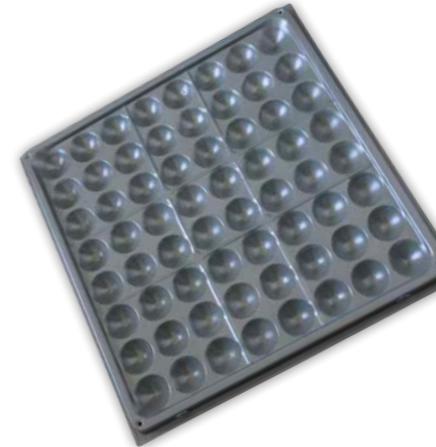
- Designed specifically for office building.
- Light weight cementitious fill makes panel solid and quiet.
- Special design with reinforced rib and folded edge LEO® floor improves load capacity along the edge and overall panel durability ensuring maximum reliability.
- Epoxy paint finish for life time protection.
- Highly recycled, convenient removing, economical, long life performance.
- Excellent load performance.
- Excellent grounding and electrical continuity.

Panel Structure

- Panel- Cementitious infill, steel welded sheet, corner lock hole in four corners, top tiles could be carpet, PVC tiles or other tiles as you like.
- Pedestal- Die casting cross aluminum top, cross rubber gasket on top, steel structure as base, height could be 50mm- 1000mm.
- Screws lock the panel corner and pedestal.

Mechanical Specification

Type	Size	concentrate load (N)	Impact Load	Rolling Load 10 pass	Uniform Load	Ultimate Load
FS700	600X600X35	3.11KN	100LB/45KG	2.89KN	11.11KN/M2	10.24KN
FS800	600X600X35	3.56KN	100LB/45KG	3.34KN	12.45KN/M2	11.56KN
FS1000	600X600X35	4.45KN	150LB/68KG	3.56KN	15.56KN/M2	14.67KN

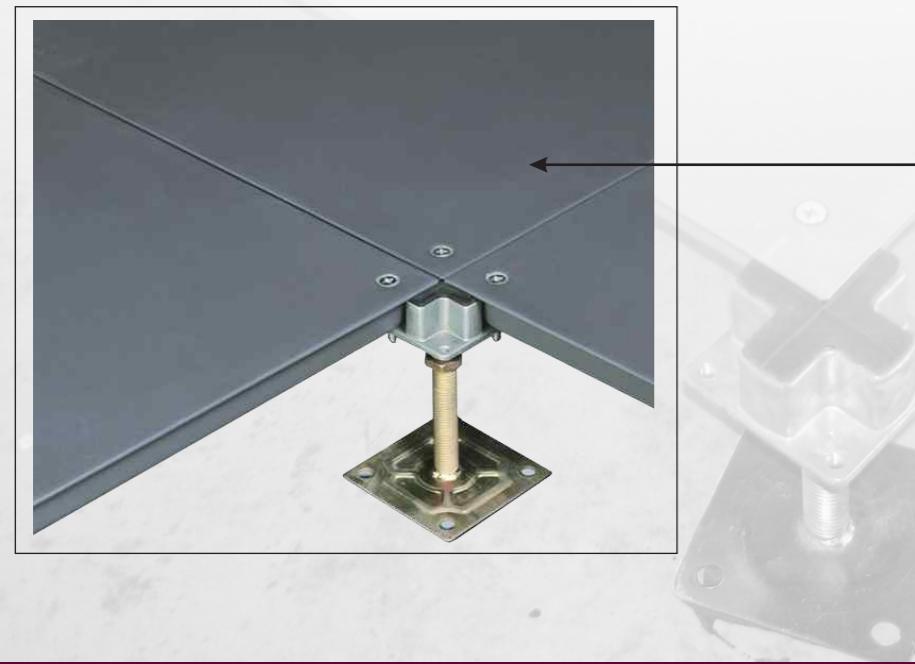


Bare Panel

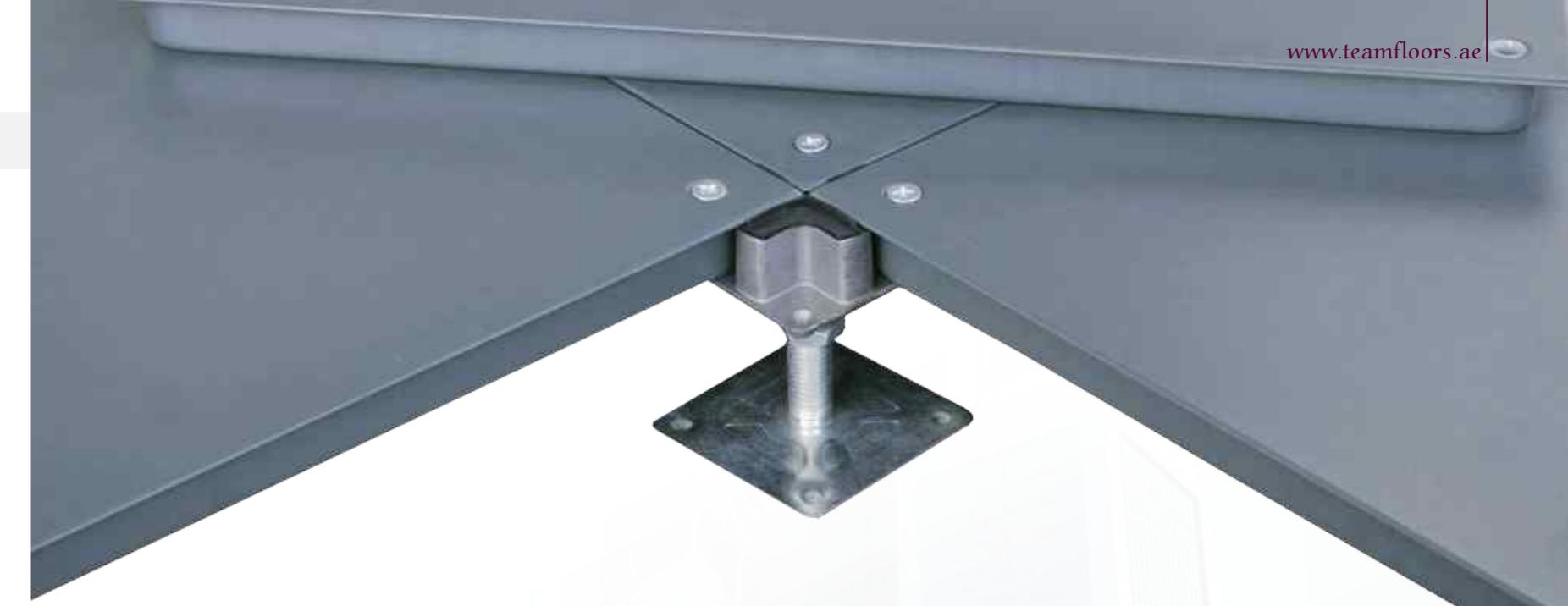


LEOR bare panels are suitable for all loose laying coverings which is installed directly on site ensuring high flexibility and giving clients freedom to choose the top finishing according to their needs.

Bare panel is characterized by corner-lock holes and bare top steel sheet suitable for loose laying coverings such as carpet tile, vinyl or parquet. Bare panel can be corner locked to pedestal with steel die formed head or with steel flat head that guarantees high stability to the system even without stringers. Bare panel is powder coated in an epoxy paint finish that guarantees anti corrosion protection.



BARE PANEL



Panel Size	600 x 600
Panel thickness	35 mm
Surface	Powder Coated
Finish	Protective Epoxy
Panel Fire Performance	Class A



Bare-finished-top



Bare-finished-bottom



HPL Panel

LEOR access floor can be supplied with a antistatic HPL which offers excellent qualities, both functional and aesthetic. Its resistance to wear and vapour, its hygienic properties as well as its versatility makes it the ideal material for all applications where strength and design need to be combined.

The HPL protects individuals from voltage shorts that can occur with electrical equipment on an access floor and also creates an electrostatic discharge which helps in prevention of static electricity occurrence that can cause damage to the equipment.

HPL panel comes with conductive pvc edge trim. High pressure laminate is used in all computer room applications such as control rooms, technical rooms, data centers and communication centers.



Vinyl Panel

LEOR Floor is available also with vinyl coverings with different electrical properties to minimize or eliminate the risk of electro static discharge .It is essential that the correct product is selected for the intended application.

Vinyl panel is characterized by static dissipative or conductive PVC and factory bonded with 2 mm thickness. Conductive PVC is recommended in sensitive work places to prevent electrostatic charges.

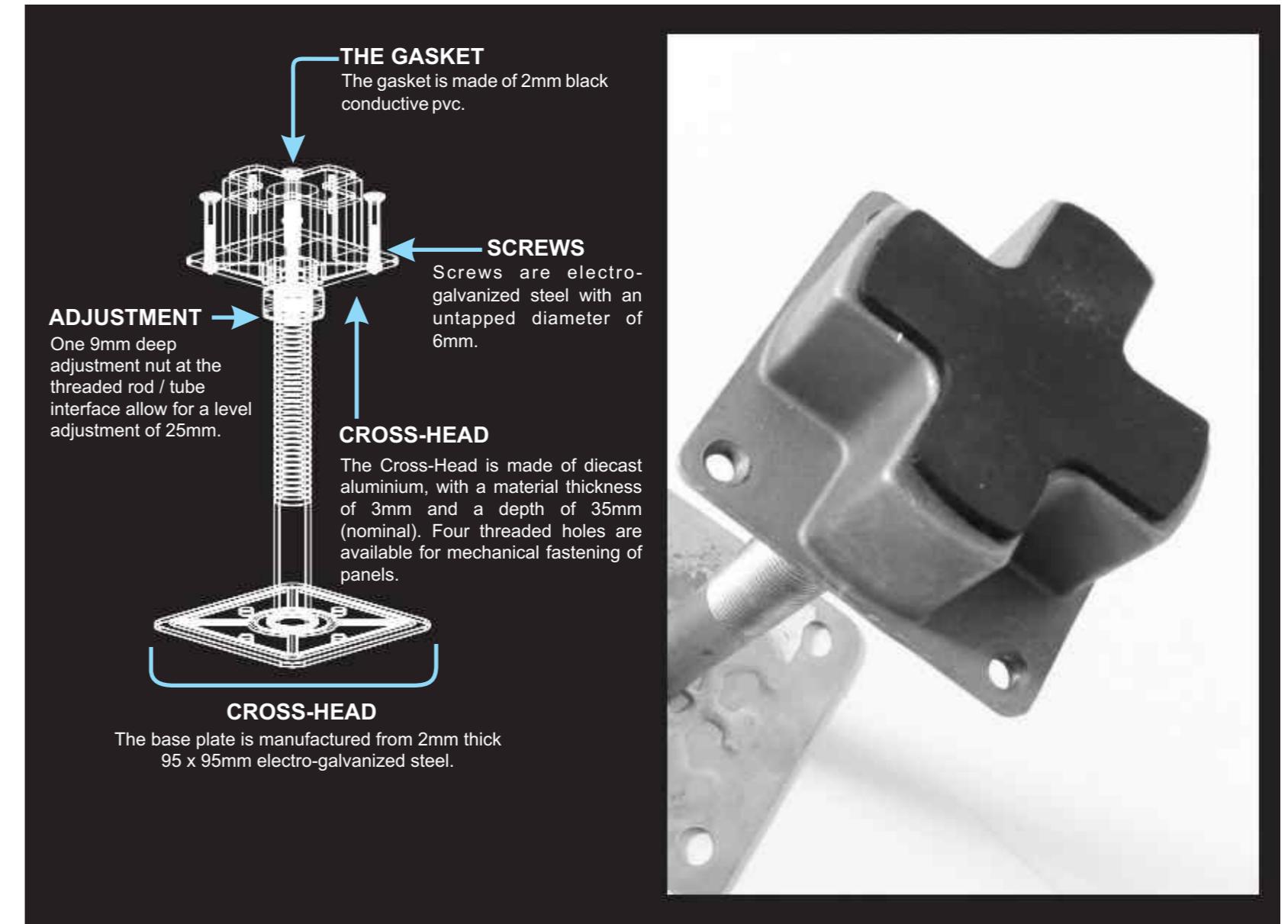
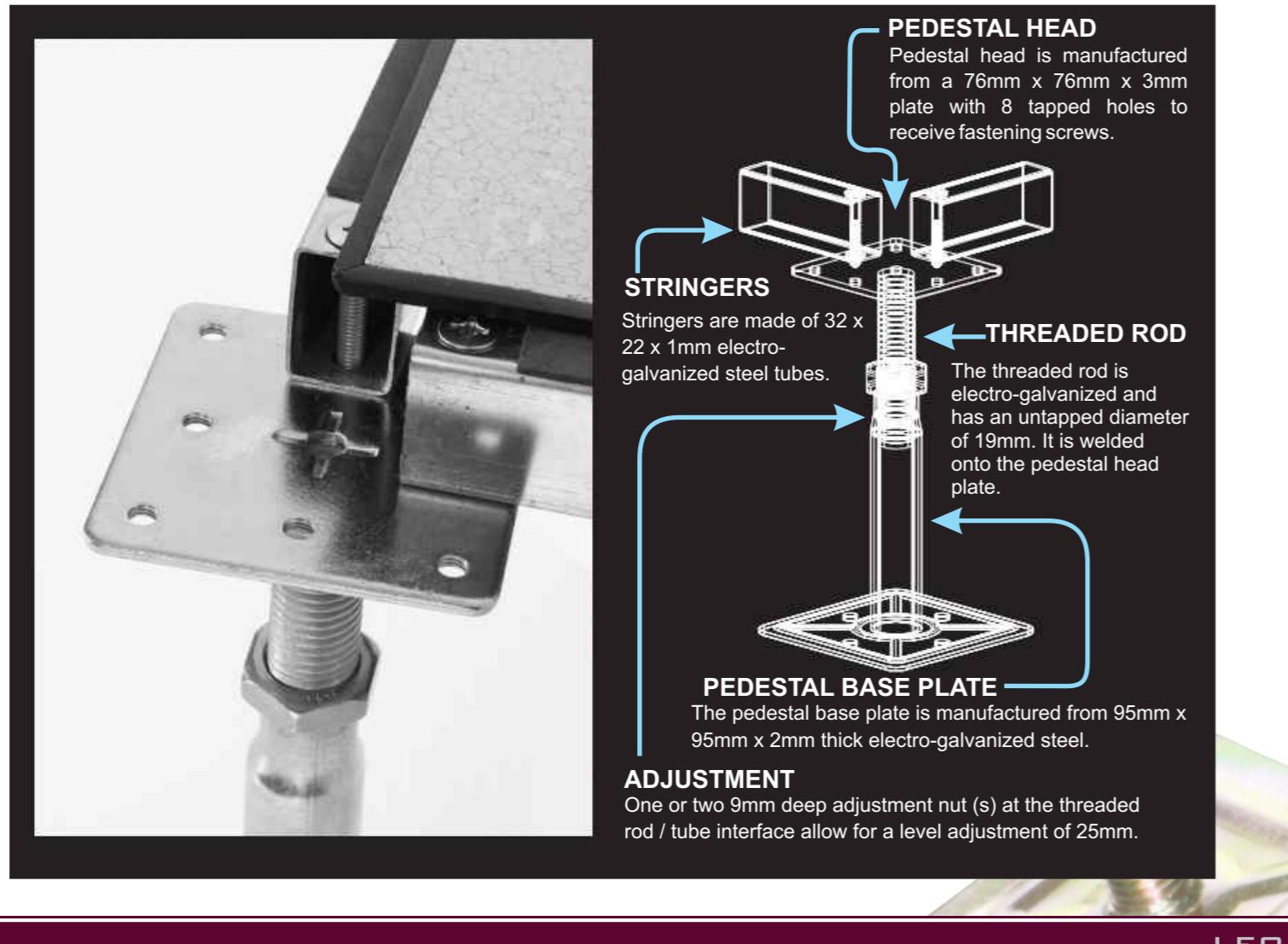
Panel Features HPL / Vinyl

- Designed specifically for computer rooms & equipment rooms.
- Panels are installed by gravity on substructure by connecting with bolted stringers.
- PVC taped stringer provides excellent Air Leakage Rate performance.
- Excellent seismic proof performance.

Substructure (pedestals)

LEOR Floor has a wide range of substructure and suitable for all type of installations.

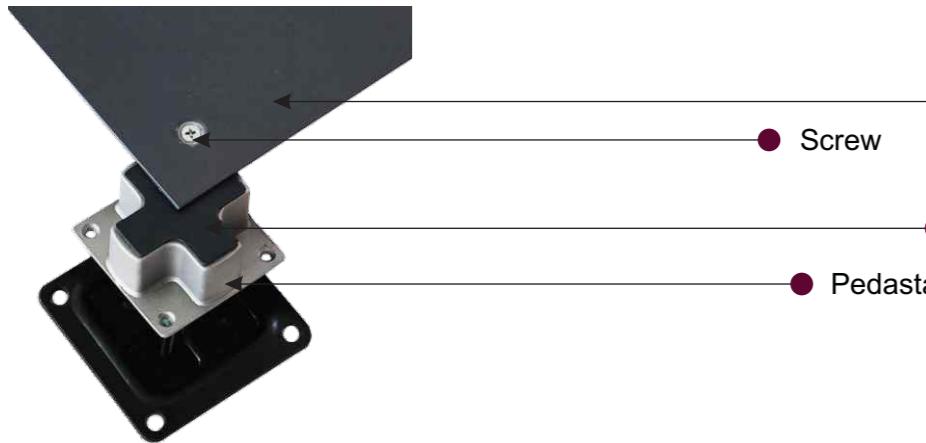
The structure can be provided stringer less or with stringers, according to the floor height and the load requirements.



Bare panels are installed by corner lock screws to pedestal head without connecting stringers. Panels are manufactured with special round holes on the corners to be fixed by screw to die-formed pedestal head or flat pedestal head.

Aluminium Cross Head Pedestals

Aluminium square head is 95 mm and 3 to 4 mm thick. It is fitted with an expansion gasket designed to keep the panels separated by 0.3mm at all times. This eliminates the panels clicking or rubbing up against each other during expansion. Panel is locked to the head by corner lock screws.



Aluminum cross head pedestal



Die-Formed cross head pedestals



Steel flat head pedestal



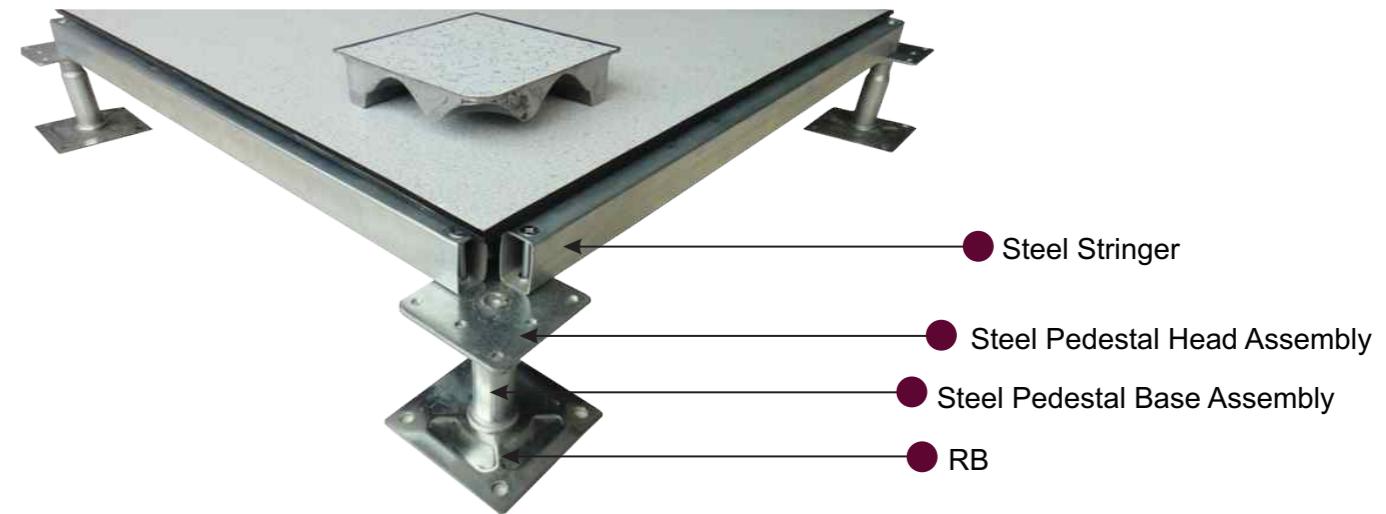
Low-profile pedestal



Designed pedestal for steel panel



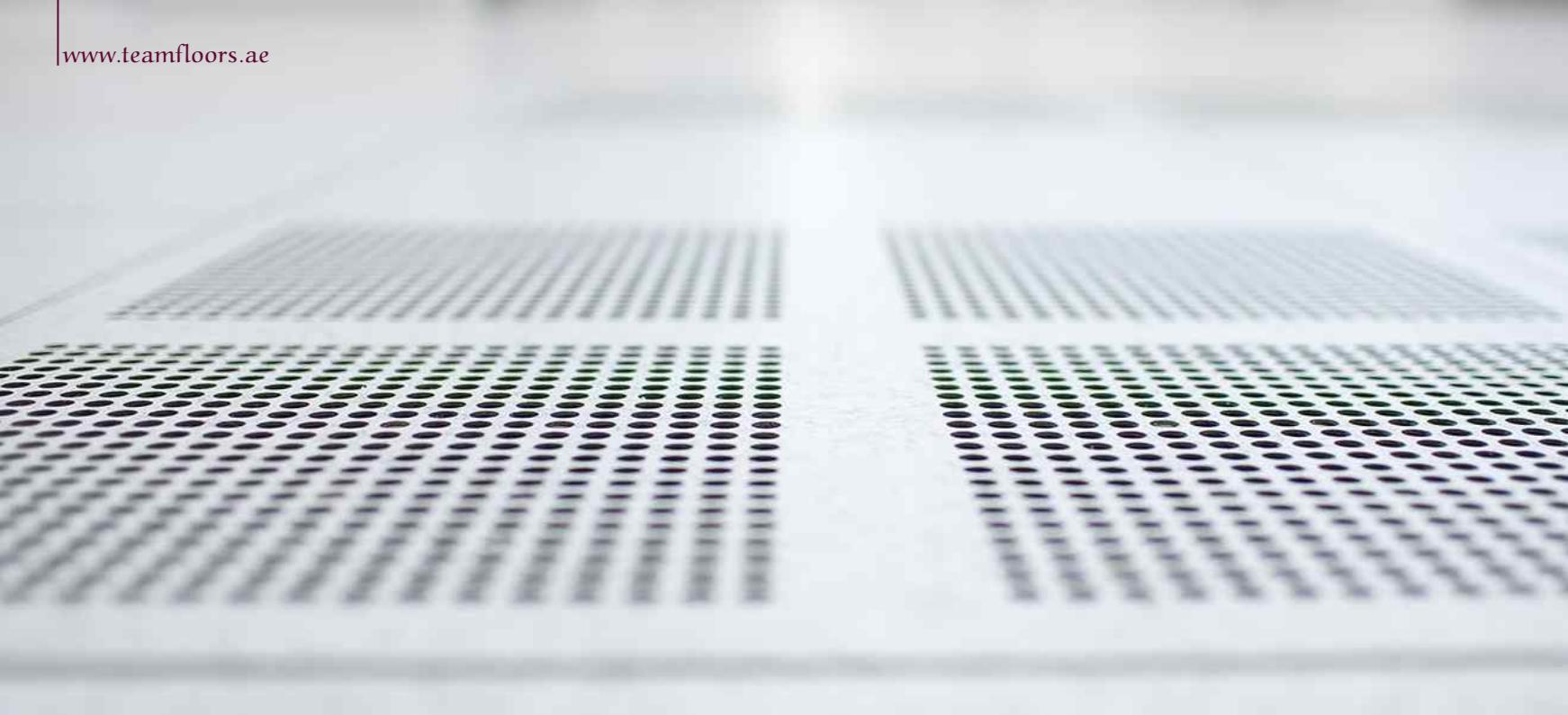
Panel installation to pedestal by corner-lock screw



Rigid Grid System

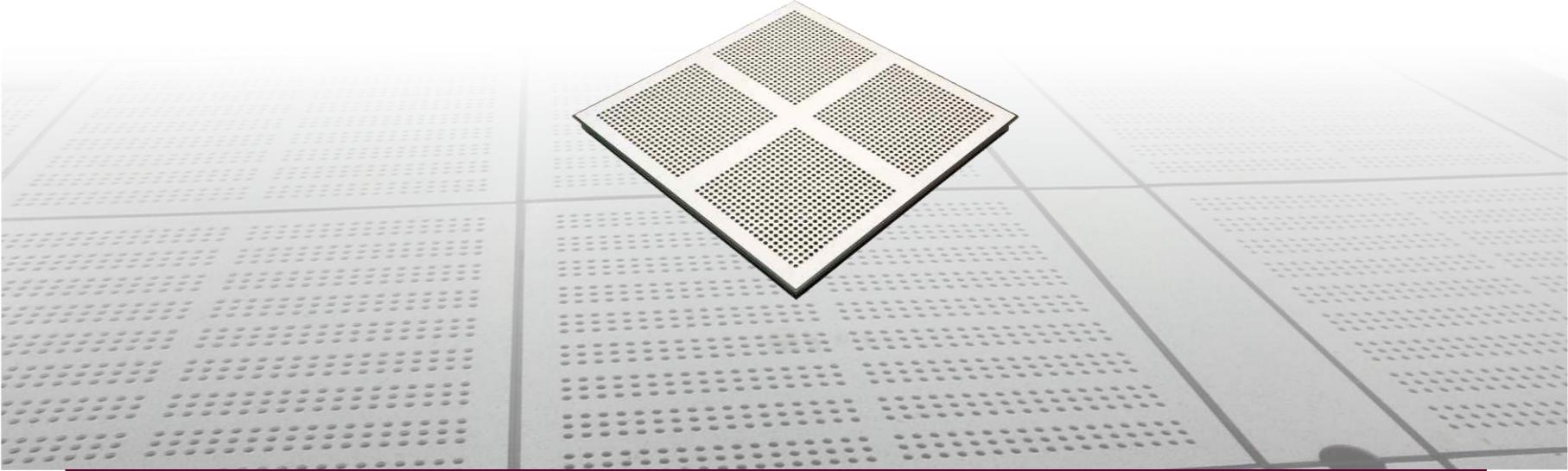
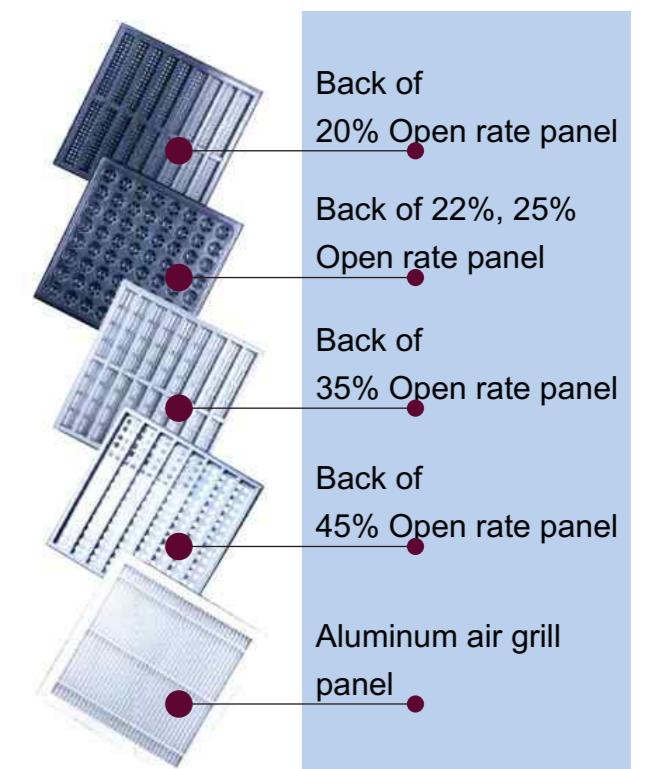
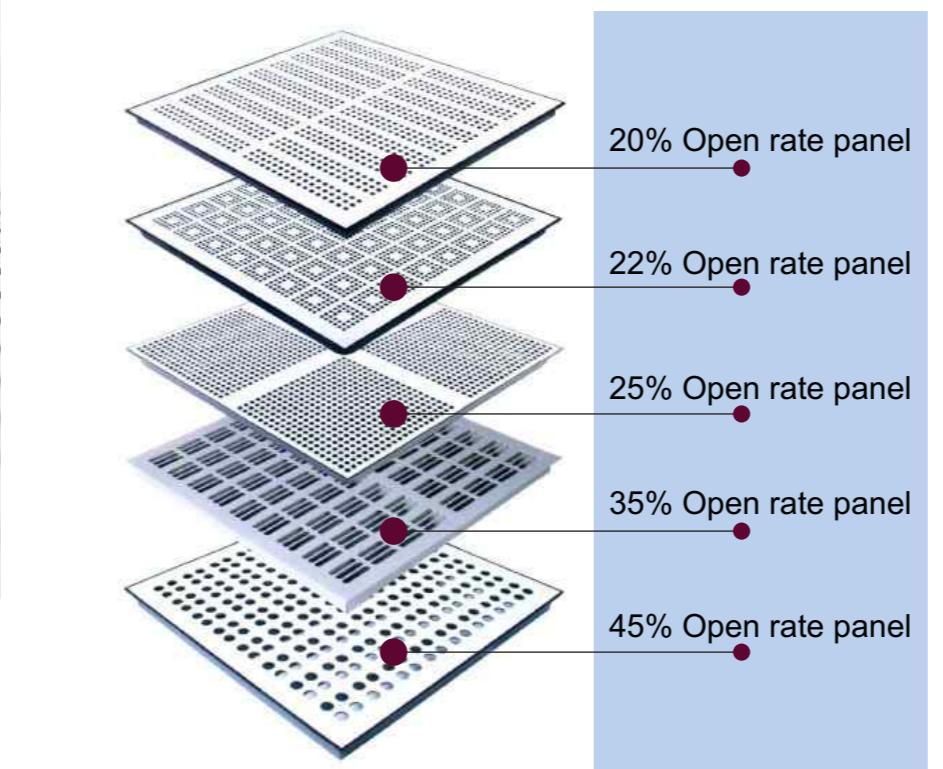
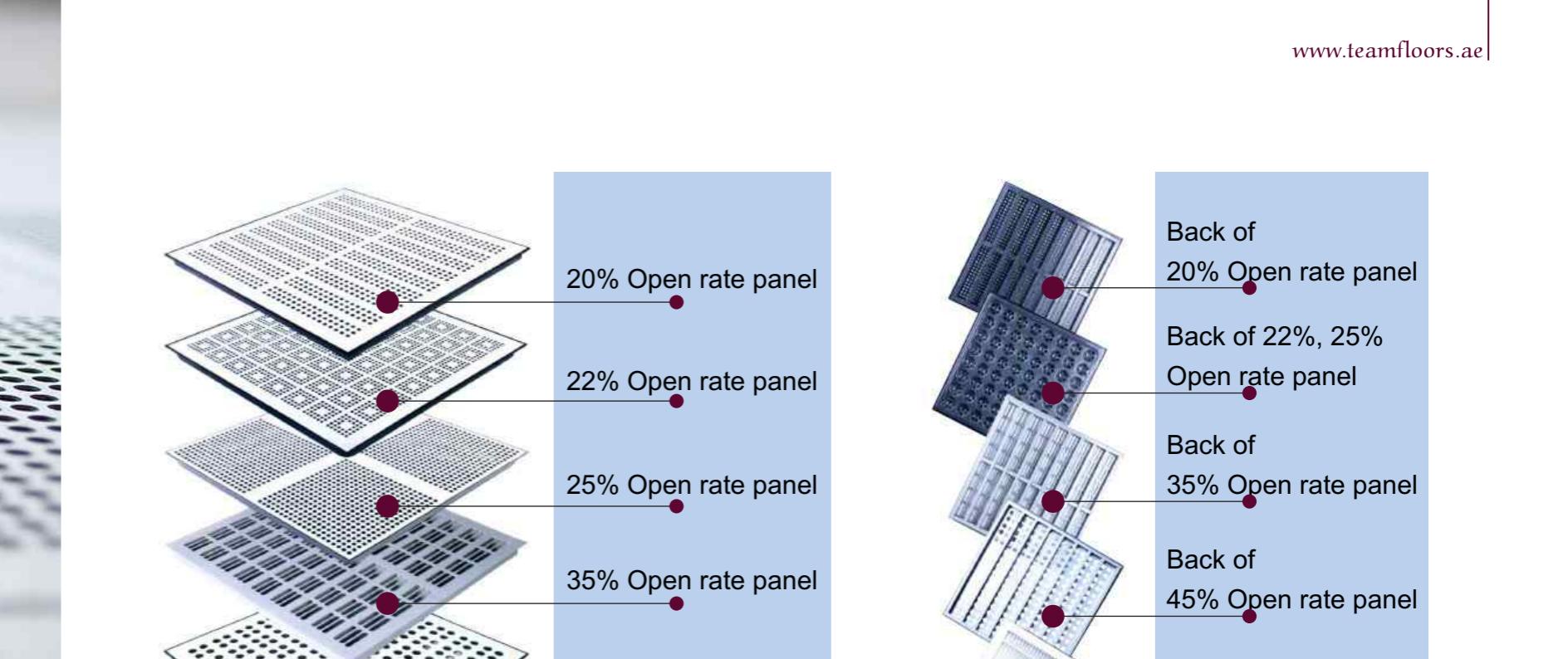
This system has a fixed rigid grid understructure made up of pedestals and bolted stringers. The stringers are screw fixed on the pedestal heads forming a perfect 600 x 600mm square grid, offering a great lateral support and guaranteeing continuous earth bonding. Rigid grid system is recommended for applications where there are constant rolling activity on the floor and high load and traffic areas such as corridors and lobbies. Panels are gravity-held in the understructure for fast removal and replacement.

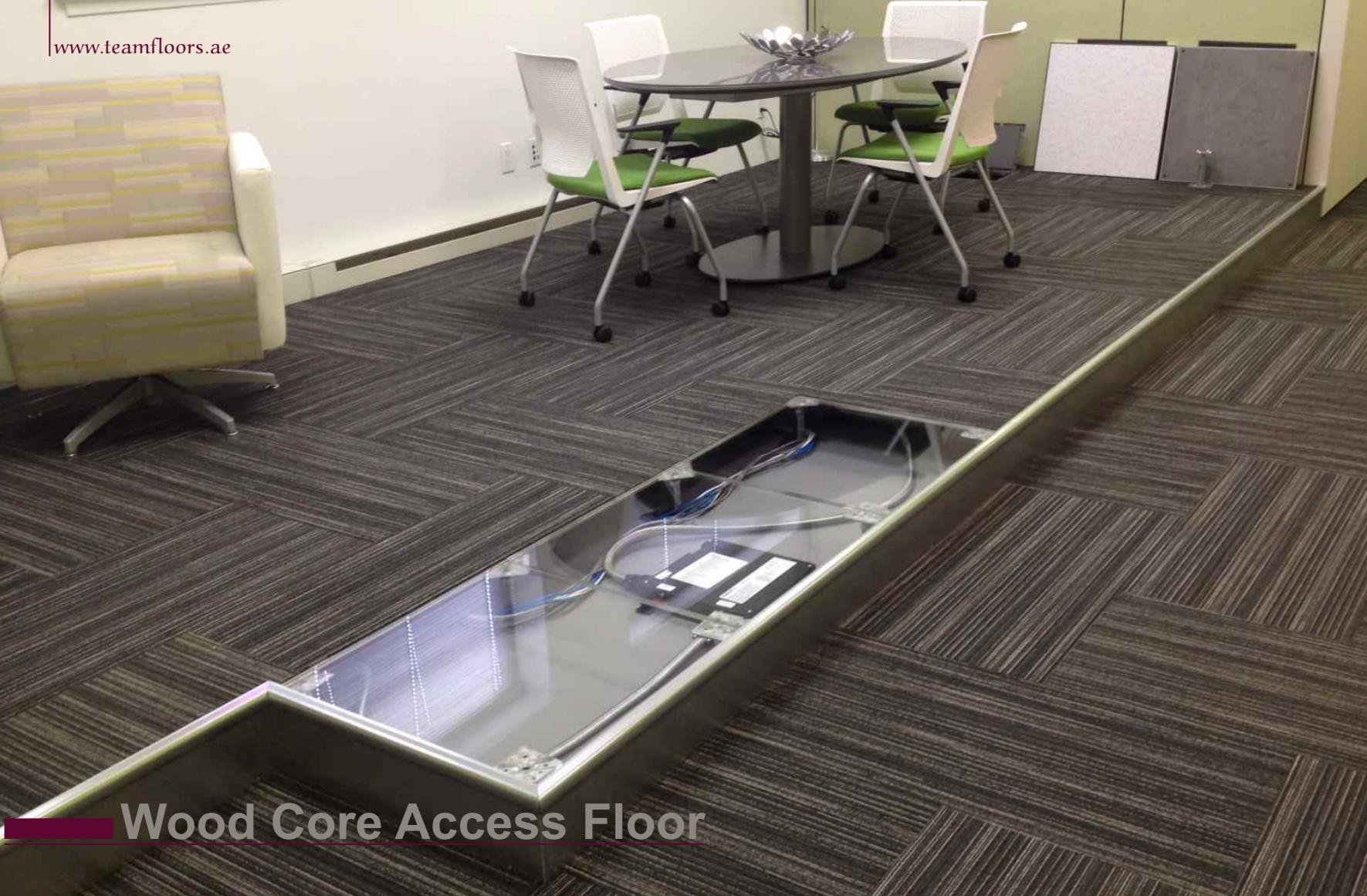




Steel Perforated Panel

LEOR perforated panel is specially designed for ventilation through below floor space up to the equipments, applied for under floor air conditioning system. Perforated panel is of accurate size and thickness, interchangeable with steel access floor panel, woodcore panels and calcium sulphate panels. The ventilation rate of panel can be from 20% to 45%.





Wood Core Access Floor

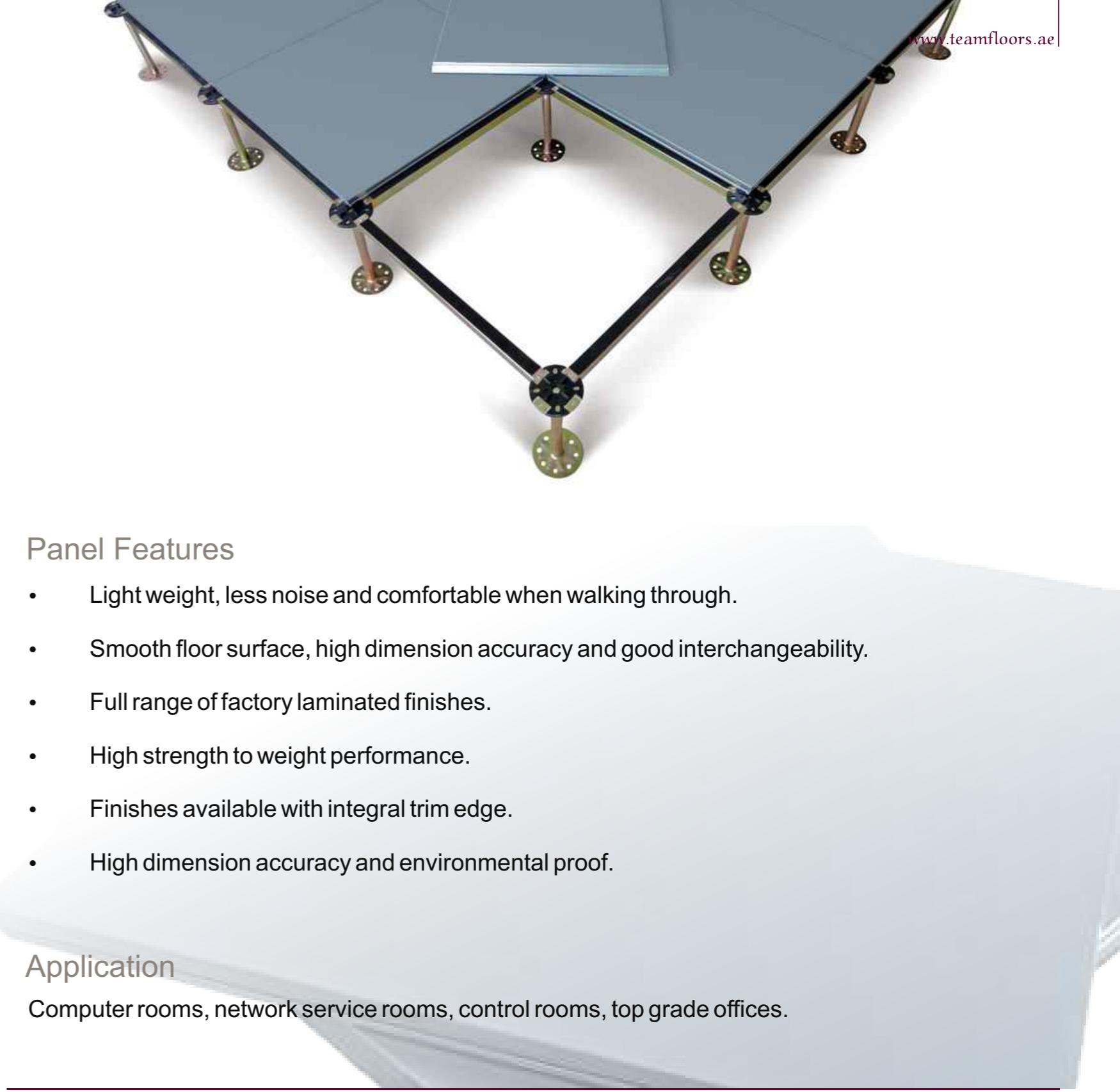
LEOR antistatic wood core access panel is made of high density chipboard. The top surface is stuck with high pressure laminate (HPL) or conductive PVC, the bottom is covered with aluminium foil or galvanized sheet. Four edges are sealed with black PVC edge trim.

Panel Features

- Light weight, less noise and comfortable when walking through.
- Smooth floor surface, high dimension accuracy and good interchangeability.
- Full range of factory laminated finishes.
- High strength to weight performance.
- Finishes available with integral trim edge.
- High dimension accuracy and environmental proof.

Application

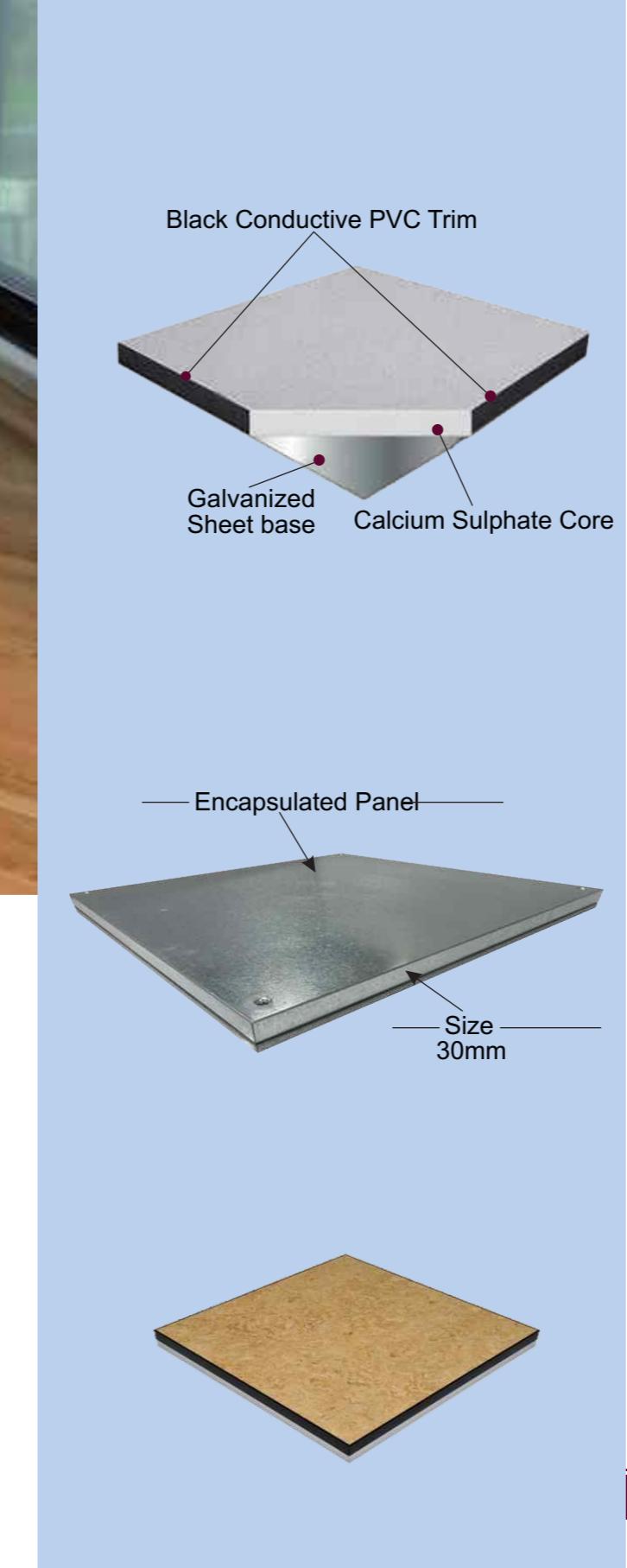
Computer rooms, network service rooms, control rooms, top grade offices.





Calcium Sulphate Access Floor

LEOR calcium sulphate access panel is made of high strength calcium sulphate core. The top surface is stuck with HPL or PVC, the bottom is covered with aluminum foil or galvanized steel sheet. Four edges are sealed with black PVC edge trim.



Panel Feature

- Environment friendly calcium sulphate board.
- Anti-static, high dimensional precision, strong loading ability shock proof and fire proof.
- Antiseptis and sound insulation.
- Stable performance in humidity & temperature.
- High dimension accuracy and environmental proof.

Encapsulated Panel.

LEOR encapsulated panel is fully wrapped around by hot dipped galvanized steel. The top bottom steel sheet is pressed and reverted, with density chipboard or calcium sulphate as the inside core.

Panel Feature

- Full steel encasement and good sealing.
- Waterproof performance.
- High dimension accuracy and environmental proof.

Application

Bank, high grade computer rooms, top grade offices and areas which require high loading capacity.



The Ideal Areas For Access Flooring

Office Space

LEOR access flooring products are made with office environment in mind. The aesthetic, flexibility and efficiency of Leor floors help create a perfect office space.



Electrical wires and cables can be brought up through the floor and placed in any location as needed.

Under floor electrical cables allow you to create better workspace. Additions and alterations are simple by detaching the modular connector, moving the electrical box to where ever needed and connecting it.

LEOR access floors provide a foundation, in which you can build great office spaces, encourages productivity, adaptability and provides unlimited creative opportunities.



The Ideal Office Environment

LEOR access floors are engineered for reliability, safety and installation ease. It gain all the benefits of access floor while having a solid and quiet foundation to walk on.



Data Centers

A perfect data center environment requires the ability to handle a large number of data cable and a flooring system that performs with a high rolling and static load capacity. Leor access floor system address all of these needs in a high adaptable space that provides the ability to respond quickly and easily to clients all while being cost effective in both construction and operation.

Team Floors Raised Flooring Maintenance Manual

To minimize your investment in your raised floor, regular maintenance is a must. All raised floors require proper maintenance to ensure more durability and life. Listed below are the requirements for proper raised access floor maintenance and care.

Structural Maintenance

1. Inspect the floor yearly by a qualified raised floor technician.
2. Rotate panels at least twice a year between high and low traffic areas.
3. Adjust floor understructure once a year to correct structural problems and maintain manufactures specifications.
4. Replace any missing components as needed, such as edge trim, grounding clips, screws, stringers and pedestals and stringer gaskets.
5. Use professional panel lifter to lift panels.
6. Other contractors should not use floor when floors are not well protected.
7. Heavy weight scaffold should not be used on the floor surface.
8. Feet of ladders should be covered with thick rubber.
9. Paint and other chemical materials are forbidden on floor surface.
10. Hammering with hammer or heavy things on the floor is forbidden.
11. Scratching with knives or hard things on the panel is forbidden.
12. When welding, protect floor surface with three-ply board to prevent sparkles from dropping on floor.
13. Replace delaminated and wrapped panels immediately.



Cleaning and Care:

1. The surface of the access floor for installation should be level.
2. The surface of access floor should be away from chemical products.
3. When cleaning the floor surface, DO NOT use water directly on it, instead use a squeezed wet mop.
4. Avoid direct sun light on the floor surface.
5. The persons working in the computer room should wear soft bottom shoes.
6. Mop or vacuum floor daily.
7. Damp-mop with warm water and mild multipurpose ammoniated floor cleaner. DO NOT use strong solvents, abrasives or scrapers to remove stains.
8. Have surface professionally cleaned by professional raised floor Maintenance Company once a year.
9. Clean air flow and perforated panels twice a year.
10. DO NOT use wax seal on laminated surface.
11. DO NOT flood with liquid or use anything other than a damp mop. Large amounts of water can weaken adhesive and cause de-lamination.
12. Install mats or runners in high traffic areas to prevent dirt and debris from entering the access floor environment.



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