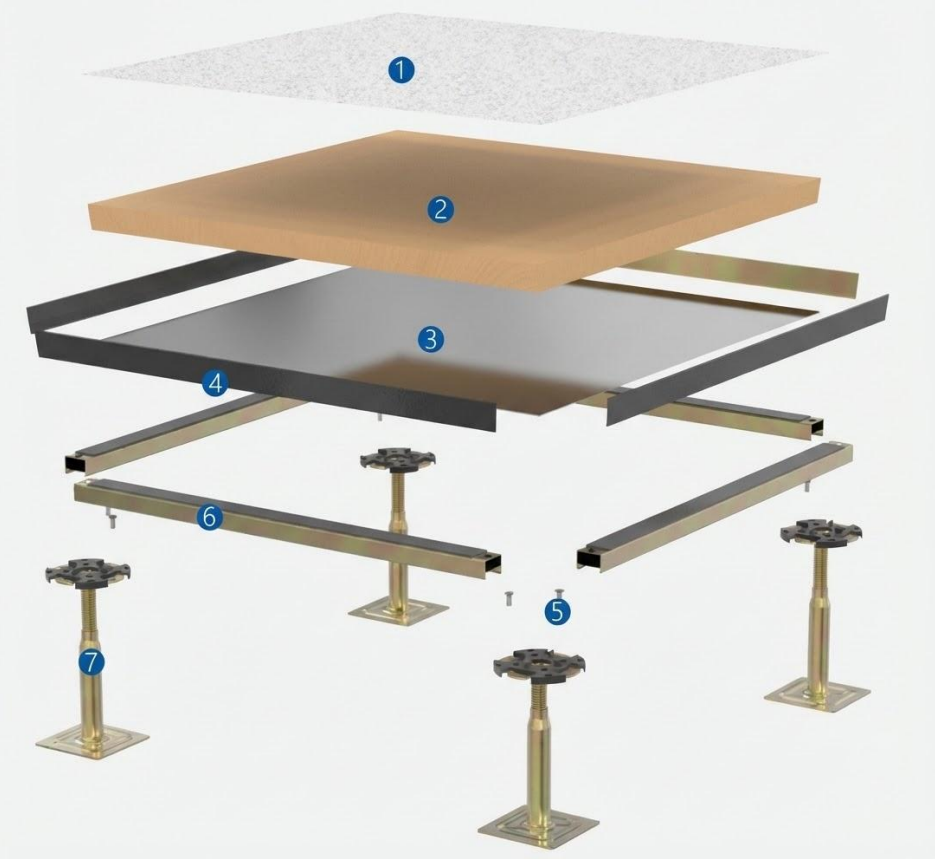
Abeite Raised Floor®

Abeite Wood-Core
Raised Access Floor

Engineered for Structural Stability and Long-Term Performance

Manufacturing Philosophy

- **Global OEM Manufacturing Partner** Over 10 years of experience as a global OEM partner for Schneider Electric, ensuring rigorous international standards.
- **German Precision Edge Processing** Edges are processed using precision milling technology to ensure tight dimensional tolerances and consistent panel alignment.
- **Italian Edge Sealing** All four edges are sealed to improve moisture resistance and dimensional stability.
- **Manufactured to International Standards** EN 12825, CISCA, PSA MOB PF2 PS/SPU



Panel Construction

Engineered layer by layer for optimal performance:

1. **Upper Finish** Finished with HPL / PVC / Ceramic and other custom coverings.
2. **Core Panel** Made of high-density engineered wood-fiber composite (thickness: 16–38 mm, customizable).
3. **Bottom Finish** Galvanized steel sheet or aluminum foil to the bottom.
4. **Edge Protection** The four edges are wrapped with conductive PVC trims
5. Screw
6. Stringer (Optional)
7. Pedestal

Advanced Configurations

"Heavy-Duty" Technical System

38mm Core

Designed for high-load environments such as data centers and equipment rooms.

- **Load:** Concentrated load of ≥ 4.5 KN
- **Best For:** Data centers, server rooms, high-traffic corridors, and specialized technical rooms.

"Premium Office" Encapsulated System

30mm Core + Steel/Ceramic Finish

Designed for luxury corporate headquarters and smart buildings. Combines high-end aesthetics with extreme structural rigidity.

- **Structure:** Top & Bottom Galvanized Steel Encapsulation for maximum fire resistance.
- **Finishes:** 10mm Ceramic, Marble, or Granite options.

Technical Specification Matrix

Feature	Standard System	Heavy-Duty System
Core Thickness	30mm	38mm
Concentrated Load	3.0KN	4.5 KN
Ultimate Load	9.0KN	13.5KN
Core Density	720 ± 5 % kg/m^3	720 ± 5 % kg/m^3
Bottom Finished	Steel / Aluminum Foil	
Upper Finishes	Anti-static HPL, PVC, Ceramic, Marble, Granite, Linoleum, Natural Wood and other custom finishes	

Tested according to EN 12825 / CISCA standards.

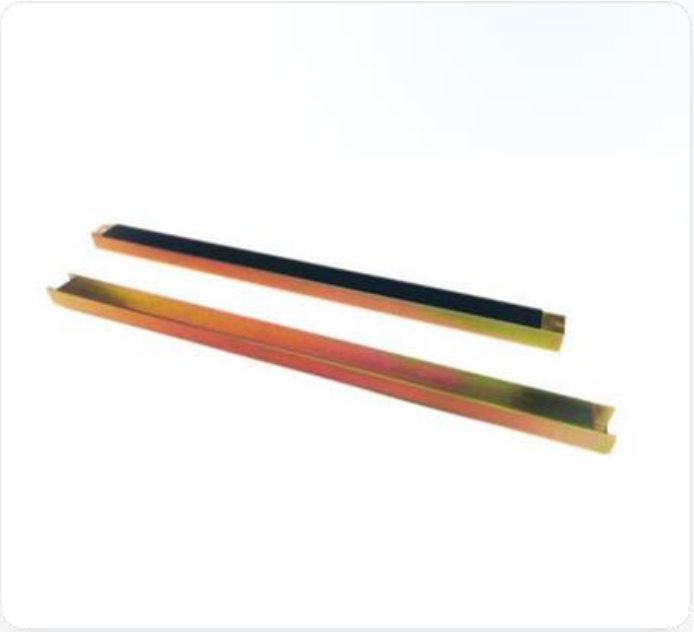
Understructure Support Systems

Round Head Pedestal

Suggested Height: FFH 100-600mm. Features a Φ22/1.5mm tube with threaded rod M18/20/22 for standard applications.

Heavy-Duty Pedestal

Suggested Height: FFH 600-2000mm. Robust Φ32-48mm tubes designed for massive equipment loads in data centers.



Stringer

Galvanized steel stringers (1.0-2.0mm thickness)

A stable raised floor system depends not only on panel strength, but also on the rigidity of the understructure.

Key Performance Advantages

Acoustic Performance

The wood-core structure provides improved acoustic damping compared to steel panel systems, helping to reduce impact noise in office environments.

Anti-Static (ESD)

HPL and PVC finishes provide permanent electrostatic discharge protection, suitable for: Data centers, Server rooms, Control systems

Walking Comfort

The wood-core structure provides a more stable and comfortable underfoot feel compared to steel panels.

Fire Performance

Fire performance Class Bfl-s1 tested according to EN standards.

Core Applications

- Hyperscale Data Centers
- Premium Corporate Offices
- Banking Headquarters
- High-Tech Education & Libraries
- Clean Rooms & Labs

Let’s Build a Reliable Floor System

Abeite Raised Floor®

Contact our engineering team for expert support in load calculations, system design, and project solutions.

Changzhou Abeite Computer Room Equipment Co.,Ltd

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