Raised Access Flooring Panel

INTEGRA
RAISED ACCESS FLOORING

PRODUCT OVERVIEW

The tiles are engineered using a high-quality composition that includes around 75% calcium sulphate, forming a strong and stable core. The remaining portion consists of fibers, cellulose fibers, and proprietary binding agents that work together to enhance the tile's structural integrity and durability. This advanced blend not only improves moisture and water resistance but also ensures reliable performance under heavy loads and varying environmental conditions. As a result, these tiles offer long-lasting strength, stability, and resilience, making them ideal for modern workspaces, offices, modular operation theaters, and other high-performance environments.

PANEL SPECIFICATIONS

Parameter	Specification
Panel Size	600 mm x 600 mm
Panel Thickness	30 mm
Core Material	fiber reinforcement, compressed calcium sulphate
Core Density	1500 kg/m³
Encapsulation	Galvanized Steel 0.4-0.45mm (bottom)
Edge Protection	PVC edge band 0.45mm thick
Fire Resistance Rating	EN 13501-1: Class A1
Fire Rating	ASTM E84 CLASS 1or A
RoHS	Metal - RoHS 4 Non Metal - RoHS 10
Water Absorption	24 Hours - 2.40%

SYSTEM CONFIGURATION

- Pedestals: Electro-galvanized steel, adjustable screw head, lock nuts, M18 threaded rod
- Pedestal Range: 150 mm – 600 mm (floor-to-floor height)
- Stringers: Rectangular GI Pipe stringers for lateral stability.
- Gaskets: Neoprene gaskets for acoustic insulation and dust sealing.

FINISH OPTIONS

- HPL (High Pressure Laminate): 1.0 mm thick, anti-static, wear-resistant
- PVC: Conductive / non-conductive, anti-skid, easy clean
- Carpet: High durability.
- Linoleum: Anti-fatigue, slip-resistant
- Bare Finish: For covering at site with carpets or wooden laminate

ACCESSORIES

- Floor Grommets for cable entry
- Airflow & Perforated Panels
- Air diffusers for HVAC integration
- Ramps, steps and vision panels
- Cut-outs for floor boxes and utility ports
- Seismic bracing system

STRUCTURAL PERFORMANCE (EN 12825 COMPLIANT)

Load Type	30mm	Test Method
Concentrated Load	≥ 4.25 kN	EN 12825 – Point Load
Ultimate Load	≥ 10 kN	Static Load Test
Uniform Load	≥ 12.5 kN/m²	EN 12825 – Distributed Load
Pedestal Axail load	≥ 22 kN	EN 12825

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TYPICAL APPLICATIONS

- Power Plant Control Rooms
- Corporate and Commercial Office Spaces
- Clean Rooms and Labs
- Government offices and Operations Rooms

CERTIFICATIONS & STANDARDS

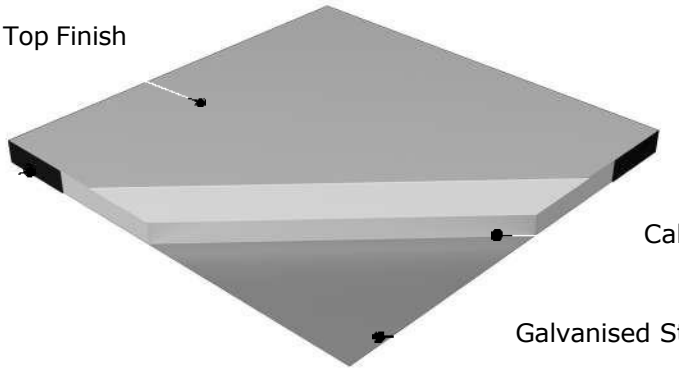
- **EN 12825:** Raised Access Floor Systems
- **ISO 9001:2015:** Quality Management System
- **ISO 14001:2015:** Environmental Management System
- **ASTM E84:** Surface Burning Characteristics

PANEL ILLUSTRATION



INSTALLATION GUIDELINES

- Sub-floor shall be cleaned and prepared, ensuring it is level and free from dust, debris, and surface irregularities.
- Grid lines shall be marked using a laser or chalk line to define pedestal positions as per the approved layout.
- Pedestals shall be fixed in place with approved adhesive, adjusted to the specified height, and allowed to cure.
- Floor panels shall be placed and seated on the pedestals, ensuring proper alignment, stability, and uniform leveling.
- Edge trims, ramps, and accessories shall be installed, followed by final leveling and surface cleaning prior to handover.



CERTIFIED STAUNCHLY MANAGEMENT SYSTEM
GREENGUARD
EN12825 Certified
RoHS
CLASS A FLAME SPREAD RATING
CISCA Certified

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SIDE VIEW FOR FLOORING STURCTURE

