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ACCESS FLOORS TRADING



AFT-TECH (MADE IN INDIA)

HEAVY DUTY CEMENT CORE SERIES

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1000 GRADE BARE CORNER LOCK SYSTEM

System Description

1000 Access floor panels are uniquely designed with hemispherical reinforcing pockets on the underside. It ensures structural strength, ultimate durability and acoustic performance.

The pedestal assembly shall provide easy adjustment of leveling and accurately align panels for a maximum + 25mm in the vertical direction.

The Pedestal head assembly shall consist of embossed head mechanically riveted to a rolled formed stud and 2 check nuts for level adjustment and arresting vertical movement.

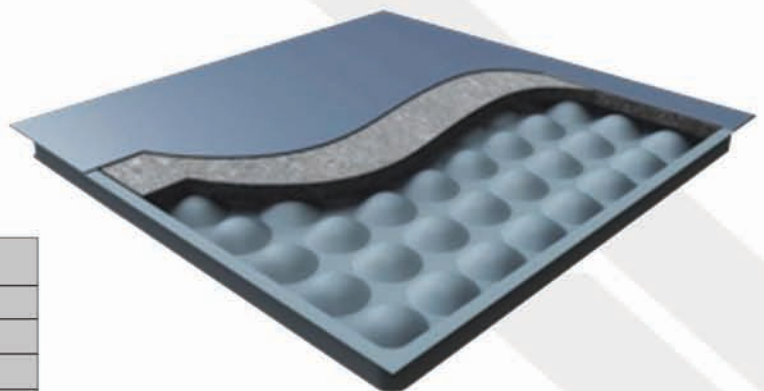
The pedestal head shall consist of an anti-vibration conductive cap with inbuilt isolating spacers for Panel and stringer location.

Panel Construction

1000 Access Floor panel is of size 600 x 600 mm, it is all steel welded construction with an enclosed bottom pan of hemispherical cones and the top plain sheet is fuse- welded at 144 locations to form a panel.

The hollow panels are pretreated and coated with electrostatically deposited epoxy raisin 60 - 80 micron thick on all the exposed sides of the panel. The hollow core of the panel is injected with a light weight, fire retardant, noncombustible cementitious compound at high pressure to ensure support of not less than 90% of the top surface area of the panel.

Panel Illustration



Category	Bare - Corner Lock System
Panel size	600 x 600 mm
Core Material	Cement
Panel Core Thickness	35 mm
Panel Weight	15.15 kgs
Weight of System	44.53 kgs / m ² for FFH 300mm (varies with height)
Overall Floor Height	65 mm - 2000 mm

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Feature Benefits

- o Enhanced load-bearing capacity.
- o Higher footprint area on pedestal head leading to enhanced stability & improved load carrying capacity.
- o No overlapping of panels.
- o Edge Support Design reduces the risk of damage to the panel edges during exposures to rolling and impact loads at site.

Product Structural Performance

Conforming to Master Specs 10270 / 096900 (USA)
CISCA A/F, 'Recommended Test Procedures for Access Floors'

Concentrated Load (Point Load)	454 kgs (1000 lbf)
Uniformly Distributed Load (UDL)	2025 kgs / m ²
Ultimate Concentrated Load	1135 kgs (2500 lbf)
Rolling Loads	225 kgs (496 lbf)
Pedestal Axial Load Test	18 kN
Pedestal Over Turning Moment Test	113 N x Meters

Factory Bonded Finishes

- o Bare Faced

Other Structural Parameters

Soft body impact	Tested as per (T12.03) of MOB PF2 PS Standards
Hard body impact	Tested as per (T12.03) of MOB PF2 PS Standards
Fire Rating	Class O & Class 1, as per BS 476 Part 6 & 7, And also ASTM E84 1998 (Flammability) and ASTM E136 (Combustibility)

Applications

- o General Office
- o Training Room
- o Hotel
- o Library

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TECHNICAL SPECIFICATION

1000 GRADE BARE CORNER LOCK SYSTEM

Installation Tolerance

Overall level before application of any load	+ 1.5 mm over any 5.00 sq mt. + 6 mm over any size of basic space
Panel Level	+ 0.75 mm before the application of any load
Panel Interchangeability installation and removal	Interchangeable (except for field cut panels) & replaceable in any of the four directions at 900 increments

Fabrication Tolerance

Floor Panel Flatness	+ 0.75 mm in any direction
Floor Panel Width or Length from specified size	+ 0.50mm
Floor Panel Squareness	+ 0.38mm

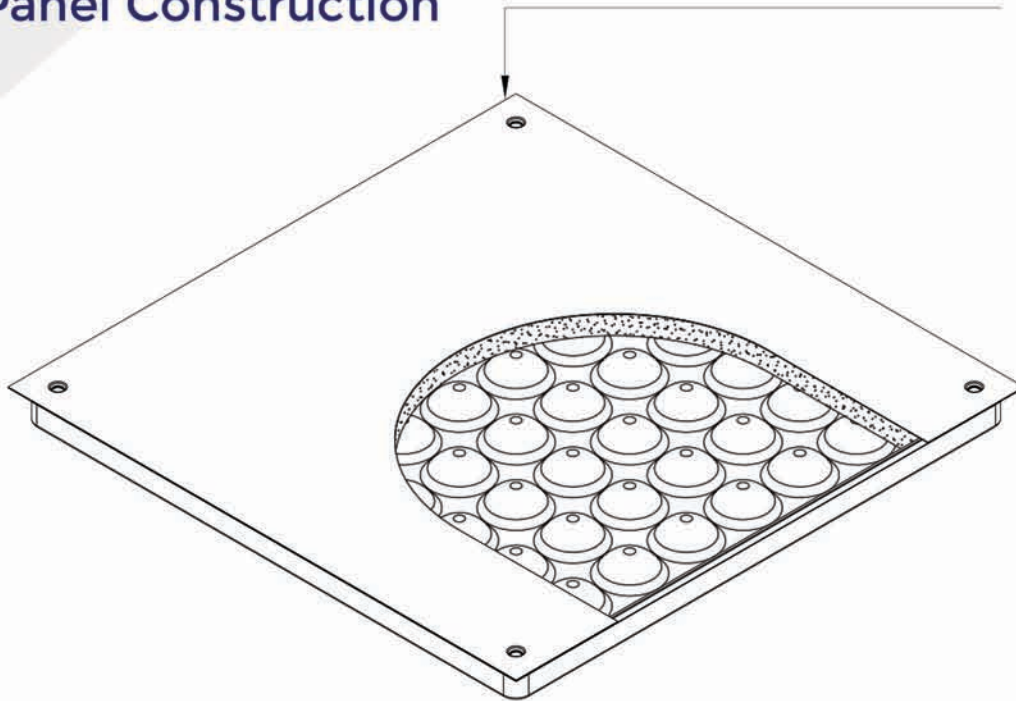
Special Applications

Bridging Sections	Where obstructions prevent the use of pedestals
Ramp Pedestals	Pivot head pedestal to support angled ramp panels

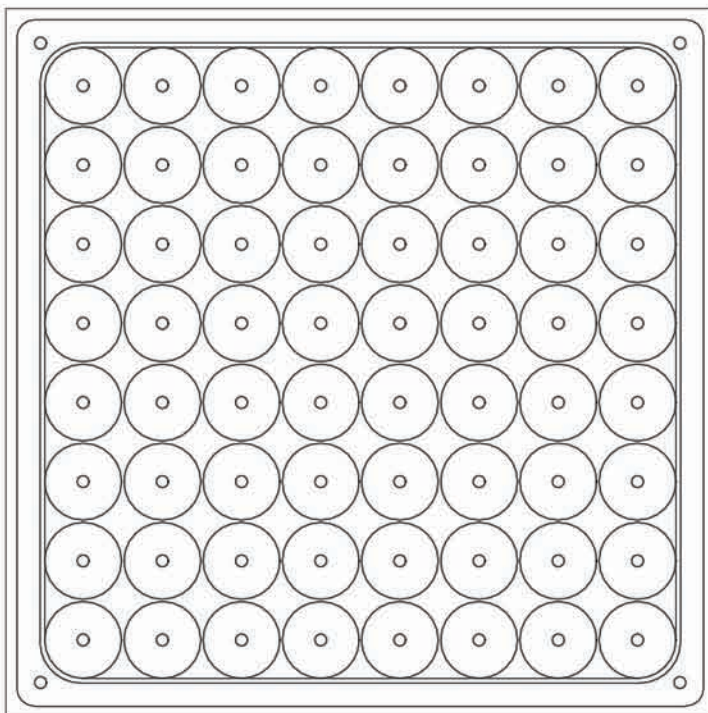
TECHNICAL SPECIFICATION

Panel Construction

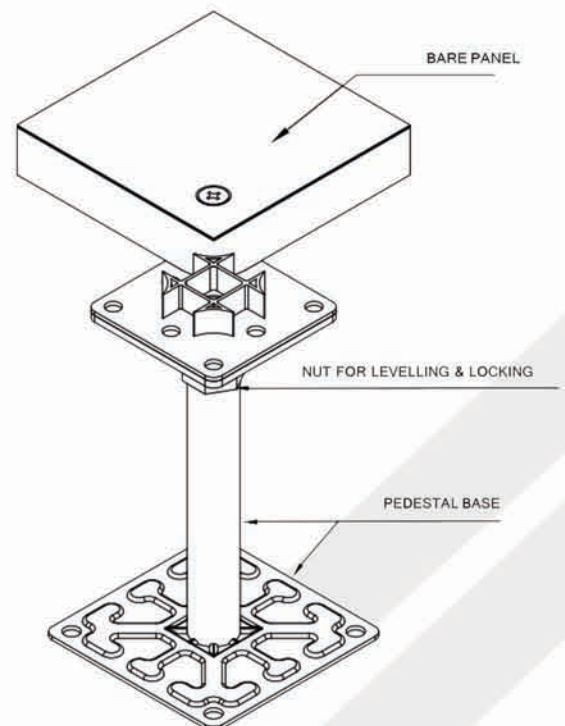
BARE PANEL



Panel Bottom View



Understructure





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