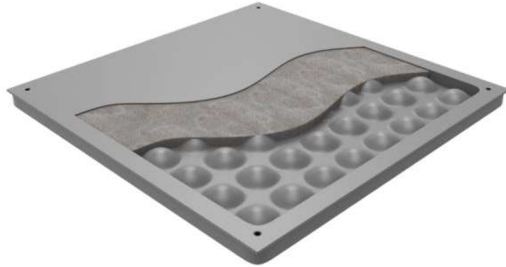


## UNITILE UNIFOLD PROGRADE BARE PANEL CORNER LOCK SYSTEM

### PANEL ILLUSTRATION



Category	Bare - Corner Lock System
Panel size	600 x 600 mm
Core Material	Cement
Panel Core Thickness	30 mm
Panel Weight	13.1 kgs
Weight of System	40kgs / m <sup>2</sup> for FFH 300 mm (varies with height)
Overall Floor Height	65 mm - 600 mm

### FEATURE BENEFITS

- ▶ Unique folded flange design increases edge strength.
- ▶ Guaranteed no squeaking sound as folded flanges are not vulnerable to damage at site.
- ▶ Folded flanges eliminate risk of cuts and accidents to onsite workers.
- ▶ Reduce risk of onsite damage.
- ▶ Increased foot print area boosting panels' structural performance and stability.

### PRODUCT STRUCTURAL PERFORMANCE

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

Concentrated Load (Point Load)	318 kgs (700 lbf)
Ultimate Concentrated Load	795 kgs (1753 lbf) Class 4
Uniformly Distributed Load (UDL)	954 kgs/sq.mt.
Rolling Loads	159 kgs (351 lbf)
Pedestal Axial Load Test	22 KN
Pedestal Over Turning Moment Test	113 N x Meters

### SYSTEM DESCRIPTION

Unifold Office Grade Bare Access floor panel incorporates folded flange technology which ensures a noise neutral floor. The design also improves edge strength and accessibility. Unifold is the most advanced raised access flooring technology available in the world. The Unifold panel is known for its exceptional characteristics of strength and durability.

The pedestal assembly shall provide easy adjustment of leveling and accurately align panels for a maximum  $\pm 25$  mm 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 a acoustical pad/ gasket with inbuilt isolating spacers for Panel location.

### PANEL CONSTRUCTION

The panel size is 600 x 600 mm, it is an all steel welded construction with an enclosed bottom pan of 64 hemispherical cones, while the plain top sheet is fuse-welded at 64 locations to form a panel. All the four sides of the panel are double fold wrapped around the perimeter edges with 4 corner holes on all edges for bolting the panel to the substructure to form a rigid leveled floor.

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

### APPLICATIONS

- General Office
- Training Room
- Hotel
- Library

### FACTORY BONDED FINISHES

- Bare Faced

## UNITILE UNIFOLD PROGRADE BARE PANEL

### CORNER LOCK SYSTEM

#### INSTALLATION TOLERANCE

Overall level before application of any load	$\pm 1.5$ mm over any 5.00 sq mt. $\pm 6$ 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 90° increments

#### 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)

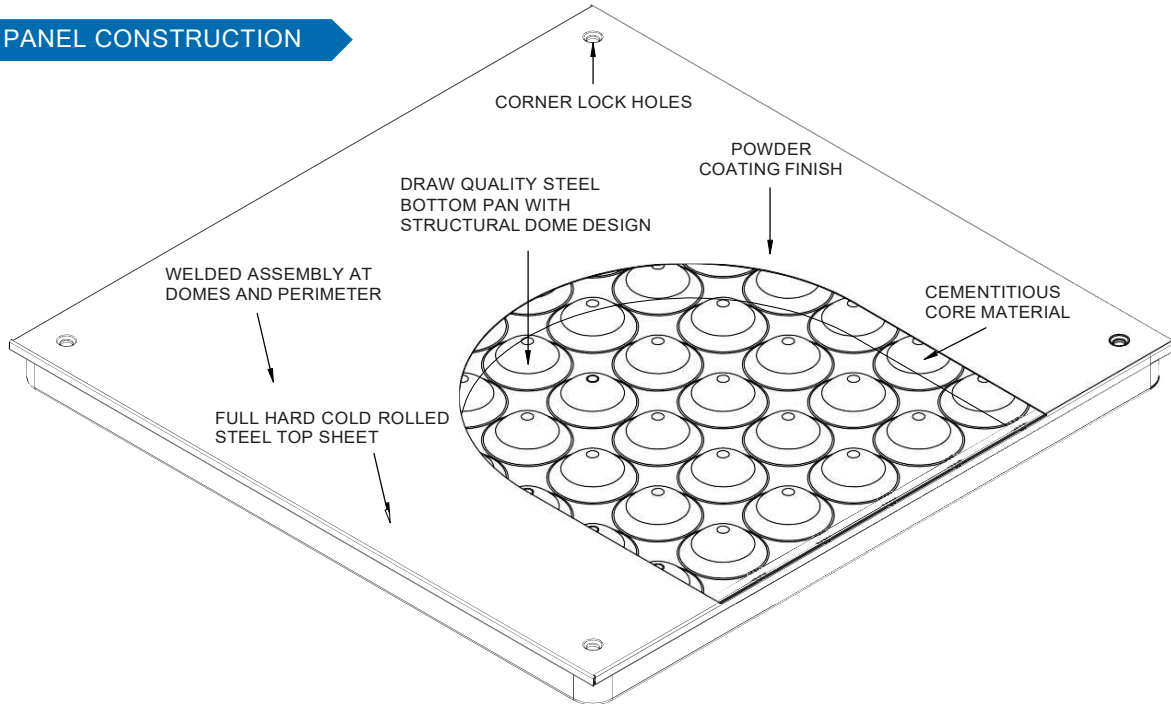
#### FABRICATION TOLERANCE

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

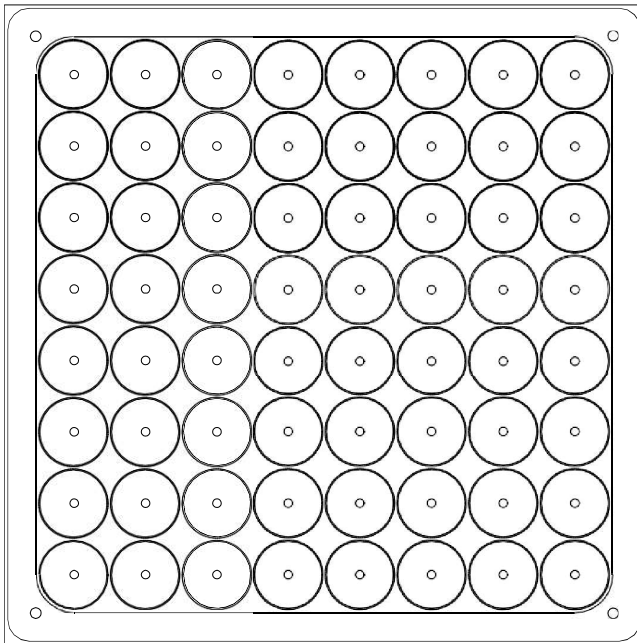
#### SPECIAL APPLICATIONS

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

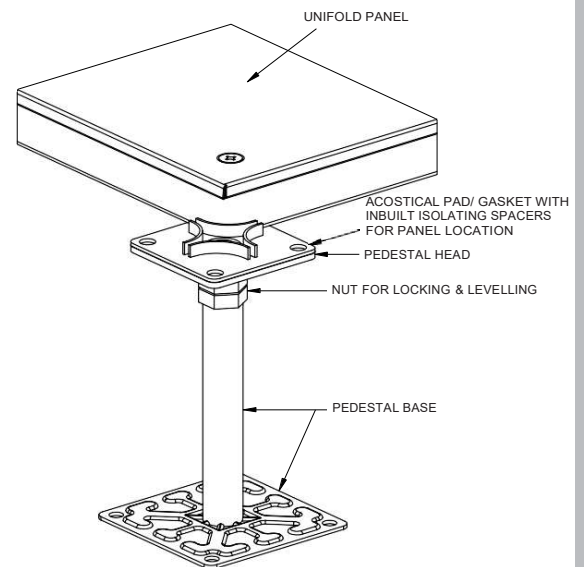
## PANEL CONSTRUCTION



## PANEL BOTTOM VIEW



## UNDERSTRUCTURE



## SECTION VIEW

