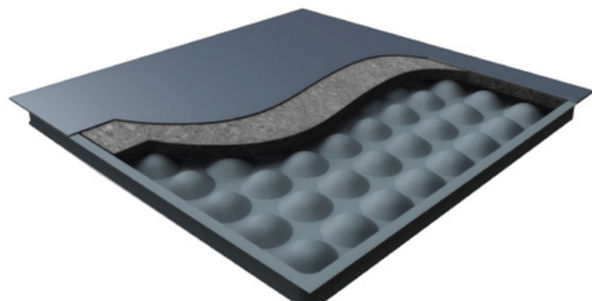


## UNITILE USF 700 BARE CORNER LOCK SYSTEM

### PANEL ILLUSTRATION



Category	Bare - Corner Lock System
Panel size	600 x 600 mm
Core Material	Cement
Panel Core Thickness	30 mm
Panel Weight	13 kgs
Weight of System	40kgs / m2 for FFH 300 mm (varies with height)
Overall Floor Height	65 mm - 600 mm

### FEATURE BENEFITS

- Enhanced load-bearing capacity.
- Higher footprint area on pedestal head leading to enhanced stability & improved load carrying capacity.
- No overlapping of panels.
- 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)	318 kgs (700 lbf)
Uniformly Distributed Load (UDL)	954 kgs/sq.mt.
Ultimate Concentrated Load	795 kgs (1753 lbf) class 4
Rolling Loads	159 kgs (351 lbf)
Pedestal Axial Load Test	22 kN
Pedestal Over Turning Moment Test	113 N x Meters

### APPLICATIONS

- General Office

### SYSTEM DESCRIPTION

USF LFW 700 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  $\pm 25$  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 an anti-vibration PVC cap with inbuilt isolating spacers for Panel and stringer location.

### PANEL CONSTRUCTION

USF LFW 700 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, non-combustible cementitious compound at high pressure to ensure support of not less than 90% of the top surface area of the panel.

### FACTORY BONDED FINISHES

- Bare Faced

### OTHER STRUCTURAL PARAMETERS

Soft body impact	Tested as per (T12.00) of MOB PF2 PS Standards
Hard body impact	Tested as per (T13.00) of MOB PF2 PS Standards
Fire rating	Class O & Class I, as per BS 476 Part 6 & 7, And also ASTM E84 1998 (Flammability) and ASTM E136 (Combustibility)

## UNITILE USF 700 BARE CORNER LOCK SYSTEM

### INSTALLATION TOLERANCE

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

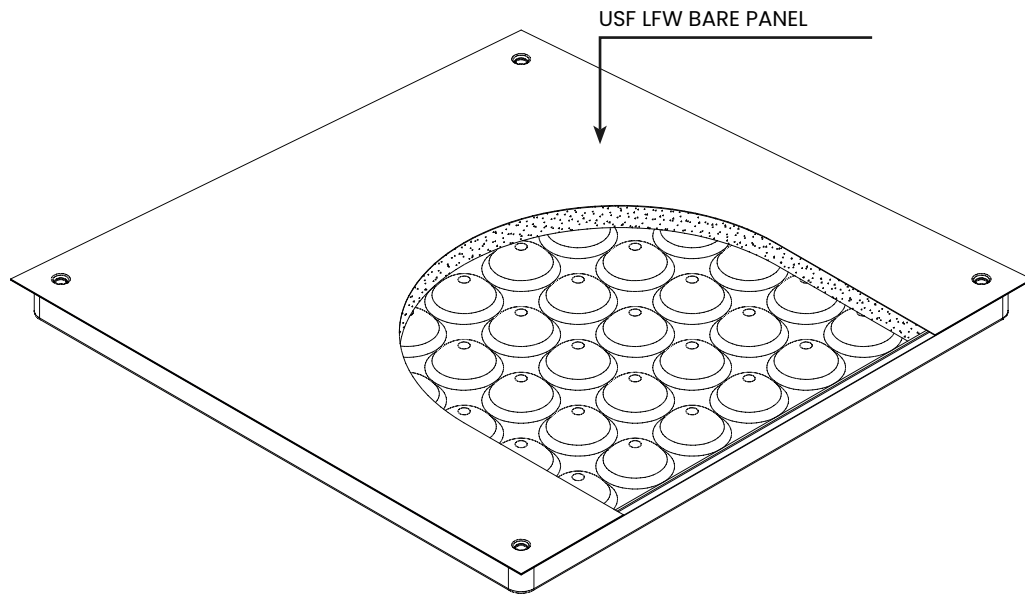
### FABRICATION TOLERANCE

<b>Floor Panel Flatness</b>	±0.75 mm in any direction
<b>Floor Panel Width or Length from specified size</b>	±0.50 mm
<b>Floor Panel Squareness</b>	±0.38 mm

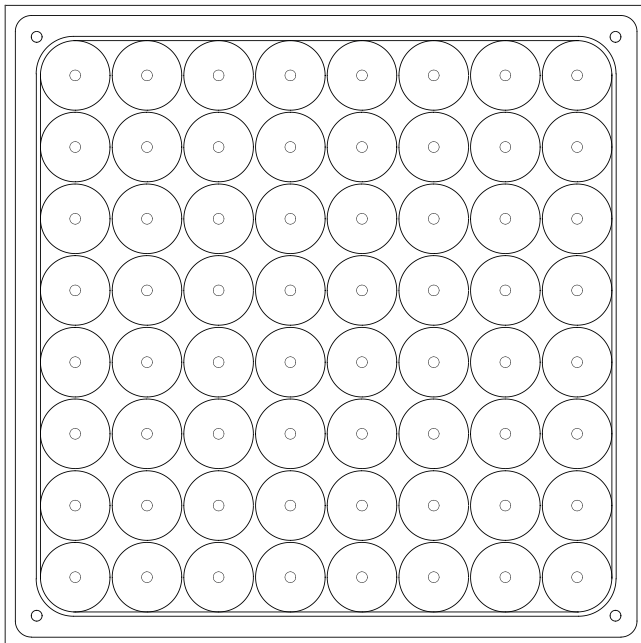
### SPECIAL APPLICATIONS

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

## PANEL CONSTRUCTION



## PANEL BOTTOM VIEW



## UNDERSTRUCTURE

