**UNITILE UNIFOLD 1650 BARE - CORNER LOCK SYSTEM**

**Description**

Unifold 1650 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 ± 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 conductive cap with inbuilt isolating spacers for Panel location.

All steel components shall be Hot Dip Galvanized.

**Image**

Panel Illustration

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| **Category** | Bare, Corner lock |
| **Core Material** | Cement |
| **Panel Construction** | Steel cementitious panel |
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**Construction**

The UFP 1650 is of size 600 x 600 mm, 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 raisin 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.

**Feature Benefits**

* Unique folded flange design increases edge strength
* Guaranteed no squeaking sound as folded flanges are not vulnerable to damage at the site
* Folded flanges eliminate the risk of cuts and accidents to on-site workers
* Reduce risk of onsite damage
* Increased footprint area boosting panels’ structural performance and stability

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| **Product Performance** | |
| Concentrated Load (Point Load) | 363 Kgs (800 LBF ) |
| Ultimate Concentrated Load | 1089 Kgs (2400 LBF) |
| Uniformly Distributed Load (UDL) | 1650 kg/m2 |
| Rolling Loads | 180 kgs ( 400 LBF) |
| Fire Rating | Class O & Class 1, ASTM E84 1998 (Flammability) and ASTM E136 (Combustibility) |
| **Pedestal Axial Load** | 18 KN |
| **Pedestal Over Turning Moment** | 113 N x meters (According to CISCA A/F, Section VI,) |

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| **Panel Dimensions and Weight (Nominal)** | |
| Size | 600 x 600, |
| Thickness | 30 |
| Panel Weight | 13.1 |
| Weight of System | 40kg/m2 for FFH 200mm (varies with height) |

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| **Application** | |
| General Office | Yes |
| Training Room | Yes |
| Auditorium | Yes |
| Casino | Yes |
| Hotel | Yes |
| Library | Yes |
| Data Center | No |
| Computer Room | No |
| Server / Hub Room | No |
| Switch Room | No |
| Communication Room | No |
| Hospital | No |

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| **Factory Bonded Finishes** | |
|  | Available |
| Bare | Yes |
| Modular Carpet | Yes |
| Marble | No |
| Vinyl | No |
| HPL | No |

Note: If any

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| **Overall Floor Height/ FFH** | |
| Pedestal | 65mm – 2000mm |
| Type | Corner Lock |
| **Special Applications** | |
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| Bridging Sections | Where obstructions prevent the use of pedestals |
| Ramp Pedestals | Pivot head pedestal to support angled ramp panels |

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| **Fabrication Tolerance** | |
| Floor Panel Flatness | ± 0.75 mm in any direction |
| Floor Panel Width or Length from the specified size | ± 0.50mm |
| Floor Panel Squareness | ± 0.38 mm |

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| **Installation Tolerance** | |
| Overall level before application of any load | ± 1.5 mm over any 5.00 Sqmt.  ± 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) and replaceable in any of the four directions at 90º increments |