**UNITILE ® UNIFOLD 2250 BARE CORNER LOCK SYSTEM**

**Description**

USF 2250 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. USF 2250 panel is known for its exceptional characteristics of strength and durability.

**Image**

Panel Illustration

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| **Category** | Bare, Corner Lock |
| **Core Material** | Cement |
| **Panel Construction** | Steel welded with an enclosed bottom pan of 64 hemispherical cones and the top plain sheet fuse-welded at 64 locations |
| **Panel Core** | 35mm |

**Construction**

The UFP 2250 is of size 600 x 600 mm, an all steel welded construction with an enclosed bottom pan of 64 hemispherical cones, while the top plain 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. Post-coating 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 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

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| **Product Performance** | |
| Concentrated Load(Point Load) | 454 Kgs (1000 lbf ) |
| Ultimate Concentrated Load | 1362 Kgs (3000 lbf) |
| Uniformally Distributed Load (UDL) | 2250 kg/m**2** |
| Rolling Loads | 225 Kgs (500 lbf) |
| Fire Rating | Class O & Class 1, ASTM E84 1998 (Flammability) and ASTM E136 (Combustibility) |
| **Pedestal Axial Load Test** | 18 KN |
| **Pedestal Over Turning Moment Test** | 113 N x Meters |

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| **Panel Dimensions and Weight (Nominal)** | |
| Size | 600 x 600 |
| Thickness | 35 |
| Panel Weight | 15.1 |
| Weight of System | 45kg/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 |

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| **Overall Floor Height/ FFH** | |
| Pedestal | 65mm – 2000mm |
| Type | Corner Lock |

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| **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 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 |