DB DAZZLE MODULAR SYSTEMS
Plot No 10C, Hoskote Industrial Area, Survey No 85, Chokahally, Kasaba Hobli,
Hoskote, Bangalore – 562114

TECHNICIAL SPECIFICATION

DAZZLE DSF 800 BARE CORNER LOCK SYSTEM (CL)

PANEL

Dazzle® DSF 800 Access Floor panel of size 600 x 600 mm shall be all steel welded construction with an enclosed bottom pan of **64 hemispherical cones** and top plain sheet is fuse welded at 164 locations to form a panel of an overall thickness of 35 mm. The panel after cleaning, degreasing, phosphating by 7 tank process is coated with 60 - 80 micron epoxy coat and is heated to achieve maximum adhesion to the panel surface and corrosion resistance. The inner empty core of the panel is injected with a light weight, fire retardant, noncombustible cementitious compound at high pressure to fill in all the crevices of the panel and ensures support of not less than 90% of the top surface area of the panel. The panel shall have located corner holes on all edges for bolting the panel to the substructure to form a rigid monolithic smooth leveled floor.

SUB STRUCTURE -PEDESTAL ASSEMBLY

Sub structure installed to support the panel shall be suitable to achieve a minimum finished floor height of **150 mm to a maximum of 600 mm** from the existing floor level. Pedestal design shall confirm speedy assembly and removal for relocation and maintenance. The assembly shall provide easy adjustment of leveling and accurately align panels for a maximum of ± 25 mm in the vertical direction. Pedestals shall support an axial load without permanent deflection and an ultimate load as laid out in System Performance requirement.

The Pedestal head assembly shall consist of a 75 x 75 x 3.00 mm embossed head mechanically riveted to a 100 mm long 5/8" die rolled formed stud and 2 check nuts for level adjustment and arresting vertical movement. The pedestal head shall consist of an anti - vibrational PVC cap for Panel location.

The Pedestal Base assembly shall consist of 25.40 mm OD pipe mechanically locked on a press for perpendicularity and then reverted to a base plate of 100 x 100 x 2 mm thick with stiffening folds for enhanced strength & excellent grip to glue.

The sub structure assembly shall be suitably anchored to the floor with suitable adhesive or fastener as recommended by the consultant / manufacturer.

PERFORMANCE CONFORMING TO MASTER SPECS 10270 / 096900 (USA)

A: Structural Performance: CISCA A/F, 'Recommended Test Procedures for Access Floors'

- **Concentrated Loads:**
  362 Kgs (804 lbf) with a top-surface deflection under load and a permanent set not to exceed 2.54 & 0.25 mm (0.10 & 0.010 inch) respectively according to CISCA A/F, Section I '' Concentrated Loads''

- **Ultimate Concentrated Load:**
  905 kgs. (2011 lbf) without failing according to CISCA A/F, Section II '' Ultimate Loading''

- **Rolling Loads:**
  180 kgs (400 lbf) of the following magnitude, with a combination of local and overall deformation not to exceed 1.02 mm (0.040) inch according to CISCA A/F, Section III '' Rolling Loads'' CISCA AF Rolling Load: 10000 Passes

- **Pedestal Axial Load Test:**
  22 kN axial Load per pedestal, according to CISCA A/F, Section V, ''Pedestal Axial Load Test''

- **Pedestal Over Turning Moment Test:**
  113 N x meters, according to CISCA A/F, Section VI, ''Pedestal Overturning Moment Test''

B: Other Optional Structural Parameters:

- **Uniformly Distributed Load (UDL):** 1650 kg/m² with a maximum permissible deflection of not more than 2.54 mm as per definition of "Uniform load" of CISCA tested over an area of 1 ft x 1 ft for 220 lbf/ft² load.
  Note: The uniform load rating of an access floor panel as specified here in should not be confused with the "uniform live load" as specified in seismic zone application.

- **Soft body impact test** on the system shall be with a load of 40 kgs dropped form a height of 1000 mm and shall comply to all the performance as specified in the test method (T12.03) of MOB PF2 PS Standards.

- **Hard body impact test** on the system shall be with 4.5 kgs dropped from a height of 600 mm and shall comply to all the performance as specified in the test method (T13.03) of MOB PF2 PS Standards.

C: Other Nonstructural Parameters:

- **Fire Rating:**

  The Panels shall confirm to Class O & Class 1 Fire Ratings tested as per BS 476 Part 6 (Fire Propagation) & 7 (Surface spread of flame) as also ASTM E84 1998 (Flammability) and ASTM E136 (Combustibility)

- **Fabrication Tolerance**

A.	Floor panel flatness	:	± 0.75 mm in any direction
B.	Floor panel width or length from specified size	:	± 0.50mm
C.	Floor panel squareness	:	± 0.38 mm

- **Installation Tolerance**

A. Overall level before application of any load	:	± 1.5 mm over any 5.00 Sqmt ± 6 mm over any size of basic space
B. Panel level	:	+ 0.75 mm before the application of any load
C. Panel Interchangeability installation and removal	:	shall be interchangeable (except for field cut panels) and replaceable in any of the four directions at 90º increments