

MICROTAC ACCESS FLOOR SYSTEMS

General Office Application



MICROTAC FILLED STEEL (MFS) ACCESS FLOOR SYSTEM

(FOR GENERAL OFFICE APPLICATIONS)



System Components – Panel

- Type: Steel Panel with Cementitious Infill
- Size: 600 x 600 mm
- Depth: 34 mm
- Description: Steel shell construction with a non-combustible light-weight cementitious infill
- Corrosion Protection:
 - Epoxy powder coated (External)
 - Phosphate coating (Internal)



Loading Specifications

Tested to CISC Recommended Test Procedures for Access Floors

Panel	Static Load			Rolling Load		Impact Load
	Concentrated	Safety Factor	Uniform	10 Passes	10,000 Passes	
MFS800	3.56 kn	3x	12.0 kn/m ²	3.55 kn	1.78 kn	45 kg
MFS1000	4.45 kn	3x	20.0 kn/m ²	4.45 kn	2.66 kn	68 kg
MFS1250	5.56 kn	3x	22.0 kn/m ²	5.56 kn	3.55 kn	68 kg

*Higher loading specification panels are available upon request



Certifications

TÜV SÜD PSB Certificate of Conformity (COC)

- Panel Non-combustible
- Test to British Standard BS 476 Part 4:1970

Singapore Green Building Product (SGBP) Certified

- Leader Rating (4 ticks ✓✓✓✓)
- Contributes points to Green Mark Scheme





System Components – Pedestal

Finished Floor Height (FFH) 70 - 300mm (Corner-lock Understructure)

- Pedestal Axial Load: 22.5kN (**MCP Pedestal**)
- Compliant with SCDF Code of Practice Chapter 3, Section 3.11.8(a)
Supporting structure of access floor system shall be non-combustible and having a melting point of at least **750°C**
- Pedestal head designed to keep panel in place at its corners
- PVC gasket installed to eliminate metal to metal contact between panel and pedestal head, provides solid feel on foot
- Low VOC Sub-floor adhesive used - SGBP certified, Very Good Rating ✓✓



FFH 300 - 600mm (Rigid Grid Corner-lock Understructure)

- Pedestal Axial Load: 30.0kN (**MSP Pedestal with Stringers**)
- Compliant with SCDF Code of Practice Chapter 3, Section 3.11.8(a)
Supporting structure of access floor system shall be non-combustible and having a melting point of at least **750°C**
- Stringer provides increased lateral resistance for heavy rolling load
- Low VOC Sub-floor adhesive used - SGBP certified, Very Good Rating ✓✓



MFS Access Floor System Features

Flexibility in finishes

- Panel for office access floor system is bare finishes (default)
- Able to accommodate a variety of finishes such as carpet, tiles, vinyl, high pressure laminate (HPL)
- Supply of finishes can be provided by other suppliers or pre-finished if preferred

Versatile in Configuration

- Panels are interchangeable (able to have different load requirements across the system)
- Variety of pedestals allow for flexible range of floor heights, able to accommodate underfloor air cooling or other uses for greater underfloor space

Easy access to services for maintenance

- Reduces cost in maintenance due to easier reach to services compared to maintenance with ceiling voids
- Essential services can be maintained with minimal disruption to office occupants

**SBF Centre - 4,000 sqm****South Beach North Tower - 46,000 sqm****Galaxis - 67,000 sqm****GSK Asia House - 10,000 sqm**

**1 and 1A Depot Close - 44,000 sqm****One Raffles Place - 29,000 sqm****5 Shenton Way - 25,000 sqm**



Checking of pedestal levels to ensure access floor is level



Installation of full access floor panels



Installation of cut panels at perimeter



Bridging System for spanning across floor obstructions



Completed office access floor system - Bare Finish



Completed office access floor system - Carpet Finish



Others- Accessories



Service Outlet Boxes



Round brush grommet



Double cup panel lifter



Others- Ramps, Steps and Fascia



Raised floor steps and fascia



Ramp with carpet finishes
(finishes by others)



Others Access Floor Systems we provide

Microtac Calcium Sulphate (MCS) Access Floor System

- Suitable for office applications
- Superior thermal resistance properties

Microtac Reinforced Cement (GRC) Access Floor System

- Suitable for low cavity height installation applications (50 to 150mm FFH)

Lindner Access Floor Systems

Hae Kwang Access Floor Systems



MCS Panel 600x600mm



GRC Panel 500x500mm

We specialize in Installation, Maintenance and Repair Services for all access floor systems



Commercial Building at Rochester Park



Data Centre at Jurong



5 Shenton Way



Research & Commercial Building at Depot Road



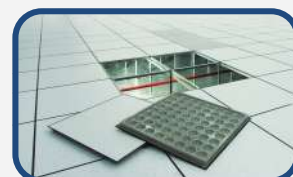
International School at Lorong Chuan

MICROTAC Access Floor System, the complete Raised Floor Solutions for any space:

- General Office
- Auditorium
- Lobby Reception Areas
- Conference & Training Facilities
- Server Room
- Showroom & Display
- Library
- Computer Room
- Data Centre
- Equipment Room
- Fire Command Centre
- Medical Research Lab
- Clean Room
- Schools/Universities



General Office



Data Centre



Auditorium



Museum



University

Distributor for:

 **Lindner**

 **HAE KWANG**

