

FC1

Folding Closures

The Permashield Folding Closure is cost-effective proven security which is attractive, lightweight and easy to use.

Why should I choose the FC1 for my business ?

- **Strength and Reliability**

The FC1 is strong, framed by continuous extruded aluminium hinged panels.

Low friction continuous hinge system means less moving parts, easy operation and low maintenance.

- **Applications**

Perfect for retail shopfronts, banks, airports, kiosks, reception areas, windows etc.



Perforated Metal Option



FC1 - Folding Closures

Technical Specifications

- Construction**

- Slim Panel (152mm)**

Top and bottom of curtain shall be framed by continuous, extruded, aluminium hinged panels. Top panels to be 152mm by 102mm, and 152mm by 51mm minimum at bottom. There shall be at least one row of 152mm by 38mm panels at centre of curtain. Panels shall be connected to the one-piece vertical hinge sections.

- Wide Panel (279mm)**

Top and bottom of curtain shall be framed by continuous, extruded, aluminium hinged panels. Top panels to be 279mm by 102mm, and 279mm by 51mm minimum at bottom. There shall be at least one row of 279mm by 38mm panels at center of curtain. Panels shall be connected to the one-piece vertical hinge sections.

- Panel Infill**

Tempered Glass: 130mm or 254mm wide by 3mm thick
 Polycarbonate: 130mm or 254mm wide by 3mm thick
 Perforated Aluminium: 130mm or 254mm wide x 1.5mm thick
 These panels are cushioned by specially designed vinyl retainers connecting to the one-piece vertical hinge sections. The closure shall be suspended from the extruded aluminium top track by steel rods connected to moulded nylon-tired ball bearing roller assemblies. The edges of the curtain shall be connected to 32mm by 57mm extruded aluminium vertical members. Intermediate members shall be incorporated into curtain at a 305cm spacing.

- Locking options**

Lead post and End post – complete with top and bottom locking pins controlled by centre cylinder lock on one or both sides (member no.7)

Intermediate post – complete with drop bolt engaging into dustproof floor socket and controlled by keyed cylinder lock on one side (member no.5)

- Track**

To be of extruded aluminium 35mm wide by 38mm high. Curved track shall be supplied with a 600mm (to the center of the track) standard radius. Special radius are available on request. Track can be recessed.

- Weight and Stacking**

Door weighs approximately 12.5 kg/m².
 Load rating is the square meter rate per lineal meter of track.
 Doors can stack to one or both sides, either in the same line as the doorway, at 90 degrees, or can be offset.

- Slim Panel:**

Depth of stacking is calculated as follows: 105mm per lineal metre of closure + 83mm for each vertical member no. 5 and 7. Tight internal cupboard depth is approximately 16% of total opening width.

- Wide Panel:**

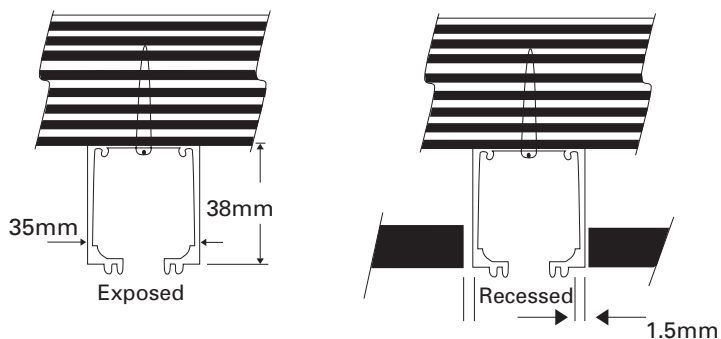
Depth of stacking is calculated as follows: 63mm per lineal metre of closure + 83mm for each vertical member no. 5 and 7. Tight internal cupboard depth is approximately 12% of total opening width.

- Locks**

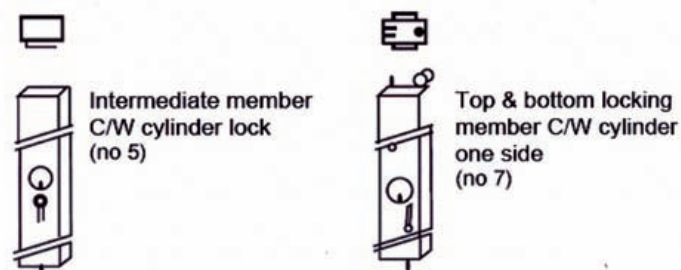
Cylinder and lock assemblies shall be of good quality ensuring trouble free operation. Master key systems to be supplied by others. Dust proof floor sockets shall be supplied as required.

- EgressDoors**

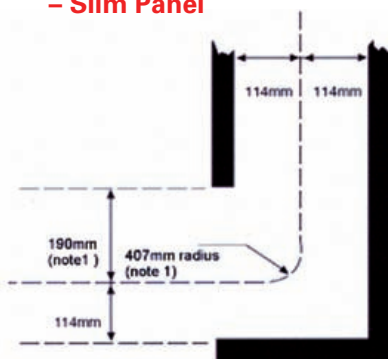
Can be incorporated into closed curtain. Operable with interior thumb-turn, panels to swing outwards to create a clear opening of 915 mm x 2140 mm.



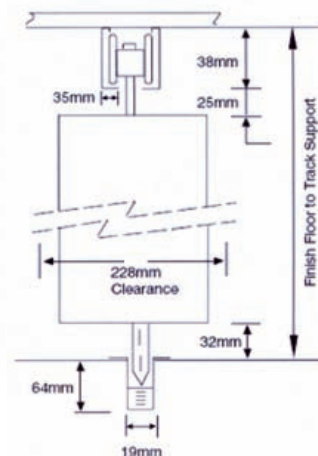
Vertical Member Description



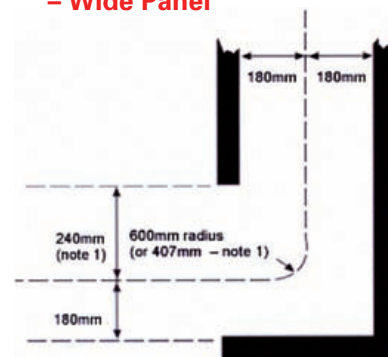
Curving into Cupboard – Slim Panel



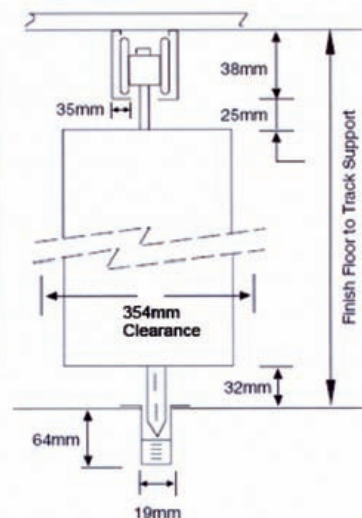
Cross Section – Slim Panel



Curving into Cupboard – Wide Panel



Cross Section – Wide Panel



- Finish**

Anodized clear, or powdercoated finish as requested.

