Datasheet

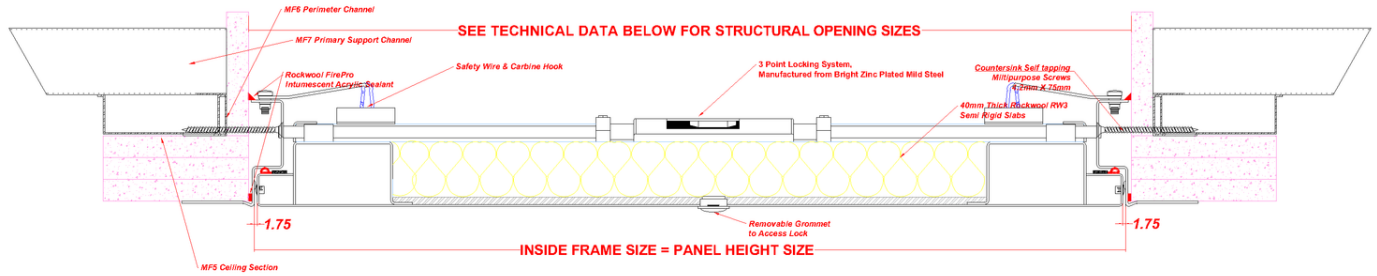
R55/120S/MD/BF/L12A/ATN/40A/SD04HD

Description

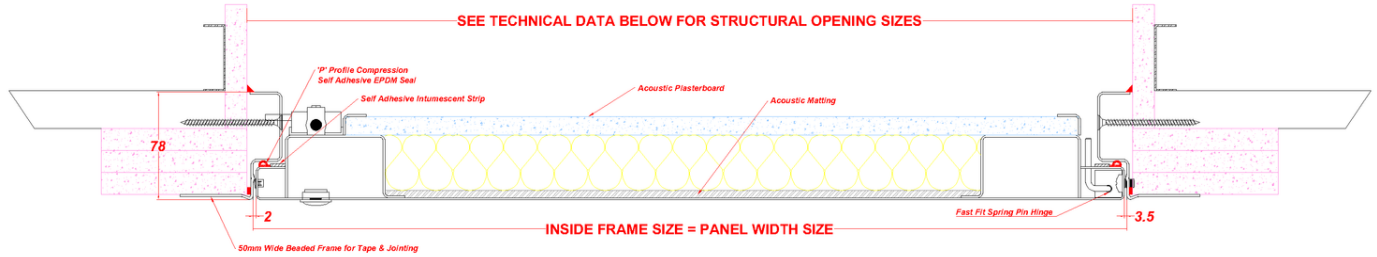
Metal Faced Ceiling Access Panel, Supplied with a Spring Pin Hinge System, 1.2mm Thick Door Leaf, 1.5mm Thick Frame, 2 Hour fire rated & Ambient Smoke Control Tested, Metal Door, Beaded Frame, 3 Point Locking System, Single Door Unit, Airtight Panel, 40 dB Acoustic Rated, Fitted with Heavy Duty Safety Wires, Powder Coated RAL 9010 30% Gloss.

PRODUCT TYPE	FIRE RATING	SMOKE TESTED	DOOR TYPE	FRAME TYPE	MASTER LOCK TYPE	SECONDARY LOCK TYPE	NUMBER OF DOOR LEAVES	AIRTIGHT RATED	ACOUSTIC RATED
	2hr				2 1 3	N/A	1D	2	40A

Section Drawing Height (H)



Section Drawing Width (W)



Indicative Product Images (Colour and door handing may differ from that shown)

Technical Data

Wall or Ceiling or Both (Dual)	Ceiling
Fire Rating	· 2 Hour Fire Rated
Fire Test Standard	· BS EN 1364-2: 2018 with additional guidance from BS EN 1634-1:2014 + A1:2018.
Fire Performance Rating	· Integrity (E)
Fire Tested Side	· Ceiling application Face (Room Side / opening down towards the fire risk side)
Fire Tested Size H x W mm	1800x900mm
Assessed Maximum Panel Sizes	No increase permitted
Size range: Minimum to maximum (H × W mm). Fire Rated Panels: See assessed maximum panel sizes for allowable increases.	300x300mm up to 1800x900mm
Smoke Test Standard	BS EN 1634-3: 2004
Air Permeability Test Standard	BS EN 1026: 2016
Air Permeability Rating	· 600Pa CLASS 2
Acoustic Test Standard	BS EN ISO 10140-2: 2010
Acoustic Rating	40dB
Corrosion class C1, C2, C3, C4	C1 - Very Low: Exterior: Not suitable for outdoor use. Interior: Heated buildings with clean atmospheres, e.g. offices, shops, schools, hotels.
General Wall Types	· Not Suitable for a Wall Application
Ceiling Types	· MF Ceiling System
Frame Fixing Types	· Metal Studding: Minimum 4.2mm x 75mm Countersunk Self Drilling Drywall Screws
Frame Fixing Hole Distance back from the Face of the Panel	· 52mm
Permitted Gaps Between the Rear of the Frame and the Structural Opening	· 2.5mm Height x 2.5mm Width
Permitted Sealants	· Rockwool Fire Pro Intumescent Sealant
Application of Intumescent Sealants	· Applied Behind the Frame to the Frame Jamb prior to installation · Applied Sealing the Rear of the Frame to the Structural Opening
Structural Opening Size	· Panel Height Size + 7mm x Panel Width Size + 7mm
Panel Size Formula H x Wmm	Inside Frame Size
Clear opening size through the installed panel with the door leaf open at 90 degrees	· Panel Height - 50mm x Panel Width - 100mm
Composition / Manufacturing	
Quality Category	Premium Range
Product Design Category	Standard Product
Ironmongery Details	· 3 Point Locking System. Bright Zinc Plated Mild Steel · Fast Fit Spring Pin Pivot Hinge manufactured from electroplated steel · Heavy Duty Safety Wire Cable assembly 3mm Ø with loops both ends at 200mm centres eye to eye. 6mm Ø Bright Zinc Plated (BZP) Steel Carbine Snap Hook
Lock Security Level	Grade 1 – Low Security
Frame Architrave Width (e.g. Picture / Beaded Frame)	· 50mm
Frame Steel Thickness	1.5mm
Door Steel Thickness	1.2mm
Door & Frame Material Grade	· Frame: Zintec Steel to BS EN 10152 : 2017 DC01 + ZE 25/25 · Door Leaf: Zintec Steel to BS EN 10152 : 2017 DC01 + ZE 25/25
Frame Depth	78mm
Board Infill Type	· 12.5mm Thick GTEC dB Board

Door Insulation Type	• 5mm Thick IsoBase R50 • 40mm Thick Rockwool RW3
Seal Type	• 9mm x 5.5mm White 'P' Profile Compression Self Adhesive Neoprene Seal • Envirograph G10/10 10mm x 2mm Self Adhesive Intumescent Strip • Sealed to All Door Closing Edges
Paint Type	• Polyester Powder Coated • RAL 9010 30% Gloss Pure white

Installation Guide

1) Open the door, release the Spring Pin hinge system, and lift the door out of the frame.

2) Place the frame in the aperture, ensuring it's 7mm larger than the panel size. Mark the hinge and door retaining pin positions.

3) Remove the frame, drill clearance holes for the marked positions.

4) Fix the frame into the aperture using all fixing holes, ensuring it is square and flush with the ceiling. Apply Intumescent Sealant to the rear of the Beaded Frame on the frame jamb before installation.

5) Refit the door by placing the lower Spring Pin hinge pin, sliding the top hinge pin until fully located, and closing the door. Apply sealant to the frame's rear, nominally 5mm wide sealing to the structural opening.

6) Lock the door with the key, ensuring it is flush with the frame.

Independent bracing or support may be needed for the Riser Door weight.

Before applying the plaster skim coat, apply joint filler and scrim tape over the junction between the beaded frame and plasterboard to prevent cracking.