Datasheet

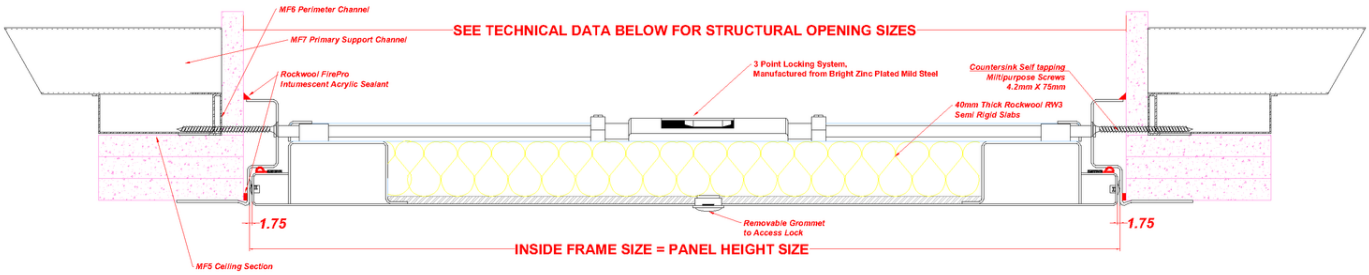
# R55/120S/MD/BF/L12A/ATN/40A

## Description

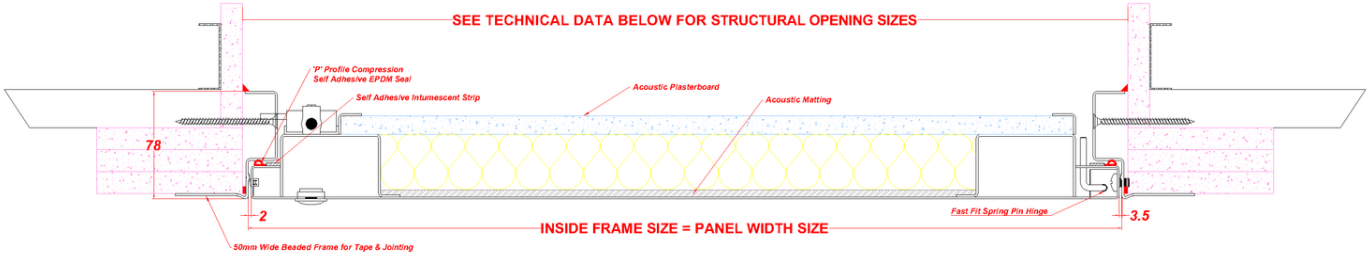
Metal Faced Ceiling Access Panel, Supplied with a Spring Pin Hinge System, 1.2mm Thick Door Leaf, 1.5mm Thick Frame, 2 Hour fire rated & Ambient Smoke Control Tested, Metal Door, Beaded Frame, 3 Point Locking System, Single Door Unit, Airtight Panel, 40 dB Acoustic Rated, Powder Coated RAL 9010 30% Gloss.

| 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<br>· 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<br>· Fast Fit Spring Pin Pivot Hinge manufactured from electroplated steel |
| 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<br>· 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<br>· 40mm Thick Rockwool RW3 |

| | |
|---|---|
| Seal Type | • 9mm x 5.5mm White 'P' Profile Compression Self Adhesive Neoprene Seal<br>• Envirograph G10/10 10mm x 2mm Self Adhesive Intumescent Strip<br>• Sealed to All Door Closing Edges |
| Paint Type | • Polyester Powder Coated<br>• 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.**