Datasheet

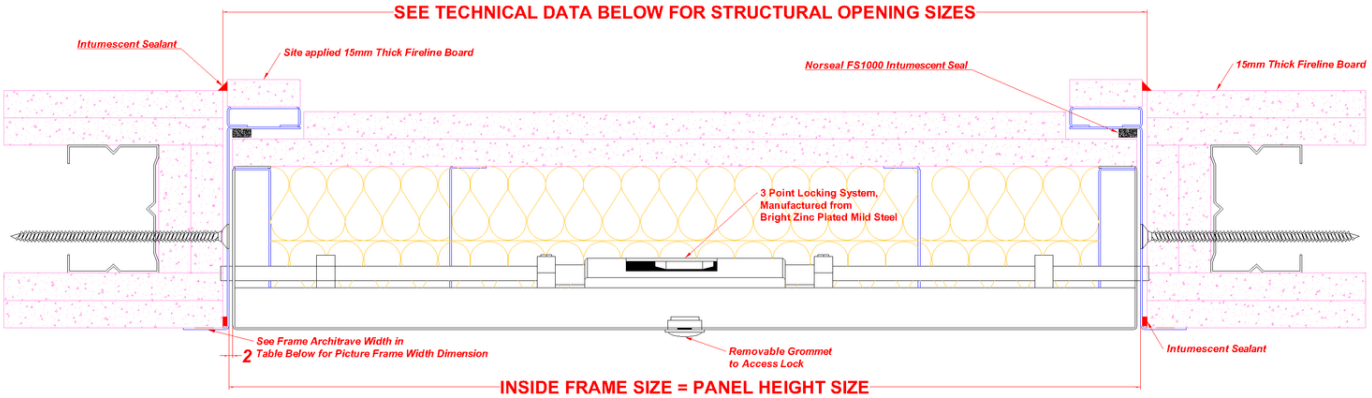
R02/E90S/I60/MD/PF/L12A/48A

Description

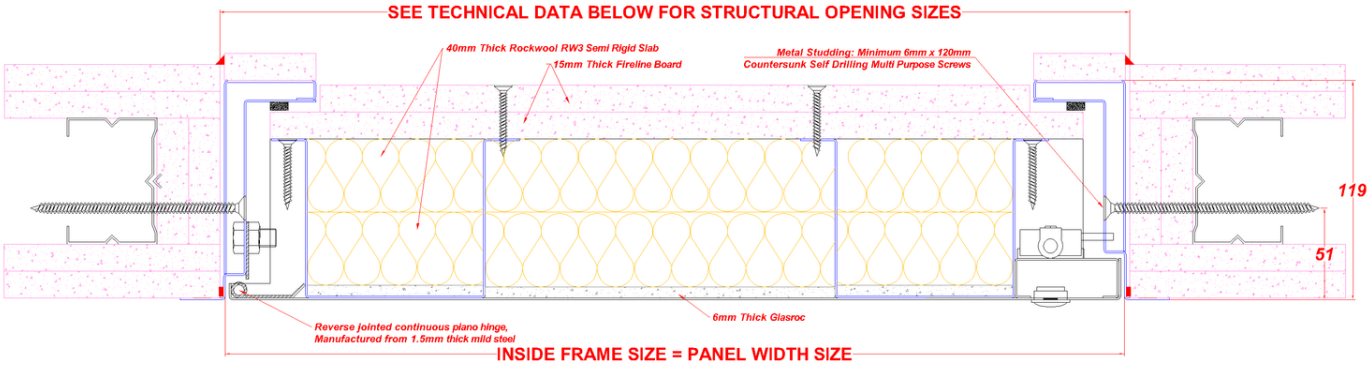
Metal Faced Wall Access Panel, 90 Minute fire rated & Ambient Smoke Control Tested & 60 Minute fire rated for Insulation, Metal Door, 25mm wide Picture Frame, 3 Point Locking System, Single Door Unit, 48 dB Acoustic Rated, Powder Coated RAL 9010 30% Gloss.

PRODUCT TYPE	FIRE RATING	SMOKE TESTED	DOOR TYPE	FRAME TYPE	MASTER LOCK TYPE	SECONDARY LOCK TYPE	NUMBER OF DOOR LEAVES	AIRTIGHT RATED	ACOUSTIC RATED
	90 min				2 / 1 / 3	N/A	1D	N/A	48A

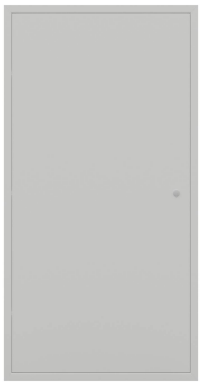
Section Drawing Height (H)



Section Drawing Width (W)



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



Technical Data	
Wall or Ceiling or Both (Dual)	Wall
Fire Rating	· 90 Minutes Fire Rated for Integrity, 1 Hour Fire Rated for Insulation
Fire Test Standard	· BS EN 1634-1: 2014+A1:2018
Fire Performance Rating	· Integrity (E) · Thermal Insulation (I)
Fire Tested Side	· Wall application Both Sides (Bidirectional / opening in either direction with respect to the fire risk side)
Fire Tested Size H x W mm	2400x900mm
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.	600x450mm up to 2400x900mm
Smoke Test Standard	BS EN 1634-3: 2004
Airtightness Tested	No Rating
Acoustic Test Standard	BS EN ISO 10140-2: 2010
Acoustic Rating	48dB
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.
Flexible Wall Types	· The wall type shall provide a suitable medium to permit adequate fixity. · Other rated wall constructions, not listed below, may also be acceptable, subject to expert advice from a qualified fire consultant · Plasterboard clad steel stud partitions (exposed studs are not covered) · The aperture must be lined with either 1No, 2No or 3No. layer(s) of 12.5mm or 15mm thick Type F plasterboard (EN520) · Walls must be supported by fire resistance test evidence confirming they remain in place and intact for at least 90 minutes.
Rigid Wall Types	· Currently not Covered
Shaftwall Types	· Currently not Covered
Mixed Construction Wall Types	· Currently not Covered
Ceiling Types	· Not Suitable for a Ceiling Application
Frame Fixing Types	· Metal Studding: Minimum 6mm x 120mm Countersunk Self Drilling Multi Purpose Screws
Frame Fixing Hole Distance back from the Face of the Panel	· 51mm
Permitted Gaps Between the Rear of the Frame and the Structural Opening	· 2.5mm Height x 2.5mm Width
Permitted Sealants	· Mann McGowan Pyromas A
Application of Intumescent Sealants	· Applied Behind the Frame to the Frame Jamb prior to installation · Applied Behind the Frame Capping Board to the Structural Opening as per the Section Drawing
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 - 100mm x Panel Width - 190mm
Composition / Manufacturing	
Quality Category	Premium Range
Product Design Category	Standard Product
Ironmongery Details	· 3 Point Locking System. Bright Zinc Plated Mild Steel

	· Continuous steel Piano Hinge
Lock Security Level	Grade 1 – Low Security
Frame Architrave Width (e.g. Picture / Beaded Frame)	· 25mm
Frame Steel Thickness	1.2mm
Door Steel Thickness	0.9mm
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	119mm
Board Infill Type	· 6mm Thick Glasroc Board · 15mm Thick GTEC Fireline Board
Door Insulation Type	· 2no layers of 40mm Thick Rockwool RW3
Seal Type	· Norseal FS1000 Self Adhesive Intumescent Foam Tape
Paint Type	· Polyester Powder Coated · RAL 9010 30% Gloss Pure white

Installation Guide

1) Open the door, remove the piano hinge nuts & washers, 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 3 point locking bar positions in the side of the frame.

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

4) Apply Intumescent Sealant to the rear of the Picture Frame before installation.

5) Fix the frame into the aperture using all fixing holes, ensuring it is square and flush with the wall.

6) Refit the door by placing the hinge over the hinge studs, even the gap out between the door and frame then tighten nuts & washers in place then close the door to check the door does not clash with the frame.

7) Apply sealant to the frame's rear, nominally 5mm wide sealing to the structural opening.

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

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