Datasheet

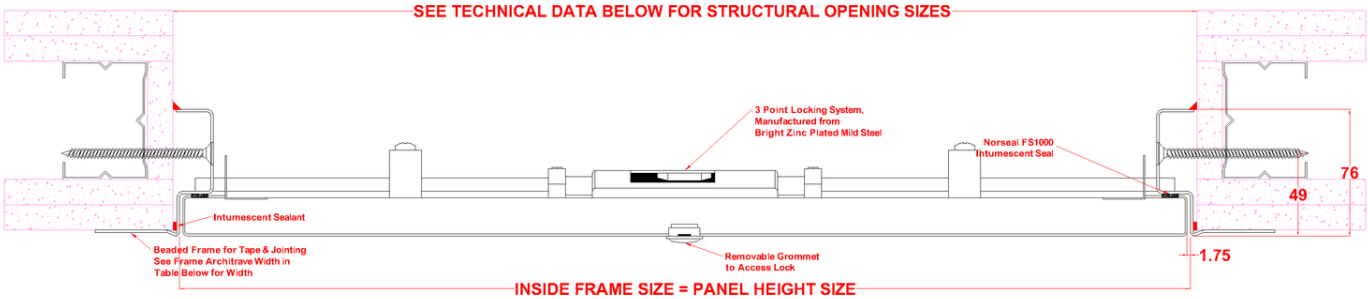
R57/090S/MD/BF/L12A/33A

Description

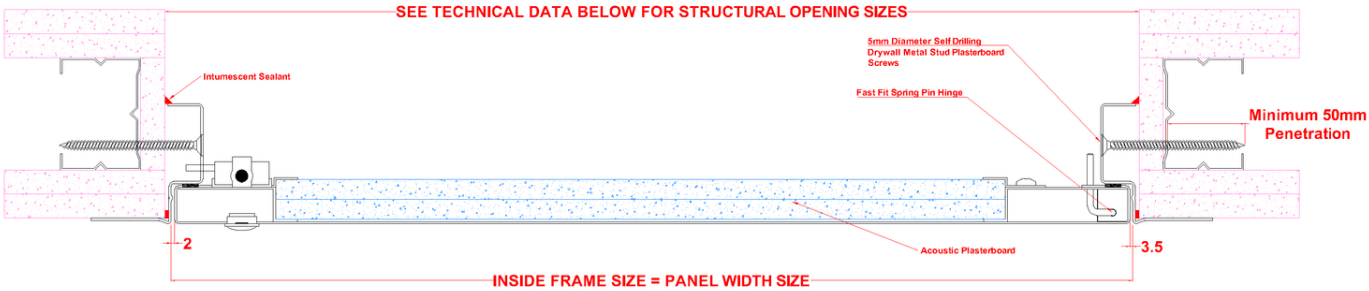
Standard Riser Door, Supplied with a Spring Pin Hinge System, 90 Minute fire rated & Ambient Smoke Control Tested, Metal Door, Beaded Frame, 3 Point Locking System, Single Door Unit, 33 dB Acoustic Rated, Powder Coated RAL 9010 30% Gloss.

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	33A

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
Fire Test Standard	· BS EN 1634-1: 2014+A1:2018
Fire Performance Rating	· Integrity (E)

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	1900x650mm
Assessed Maximum Panel Sizes	Up to 15% increase in height, 15% width and up to 20% area.
Size range: Minimum to maximum (H × W mm). Fire Rated Panels: See assessed maximum panel sizes for allowable increases.	400x300mm up to 1900x650mm
Smoke Test Standard	BS EN 1634-3: 2004
Airtightness Tested	No Rating
Acoustic Test Standard	BS EN ISO 10140-2: 2010
Acoustic Rating	33dB
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 partitions • Plasterboard clad timber stud partitions (exposed studs are not covered) • 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)
Rigid Wall Types	• Currently not Covered
Shaftwall 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 • KNAUF SYSTEMS • Knauf Shaftwall: J-Channel & Deep Flange U-Channel frame with CT Studs, 100mm Rocksilk RS60 insulation, lined with 3x15mm Knauf Fire Panel boards to the front & 1x19mm Knauf Coreboard to the rear • Knauf Shaftwall: The aperture must be lined out with 3no layers of 15mm thick Knauf Fire Panel plasterboard. • Walls must be supported by fire resistance test evidence confirming they remain in place and intact for at least 60 minutes.
Mixed Construction Wall Types	• Currently not Covered
Ceiling Types	• Not Suitable for a Ceiling Application
Frame Fixing Types	• Metal Studding: Minimum 5mm x 50mm Penetration into the Steel Studding Countersunk Self Drilling Drywall Screws • Shaftwalls: Minimum 6mm x 120mm Countersunk Self Drilling Multi Purpose Screws
Frame Fixing Hole Distance back from the Face of the Panel	• 49mm
Permitted Gaps Between the Rear of the Frame and the Structural Opening	• 4mm Height x 4mm Width
Permitted Sealants	• Mann McGowan Pyromas A • Rockwool Fire Pro Intumescent Sealant • Fire-tested alternative sealants to BS EN 1363-1 or BS EN 1634-1 for the required fire resistance duration and substrates in this application.
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 - 80mm
Composition / Manufacturing	
Quality Category	Mid 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
Lock Security Level	Grade 1 – Low Security
Frame Architrave Width (e.g. Picture / Beaded Frame)	• 50mm
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	76mm
Board Infill Type	• 12.5mm Thick GTEC dB Board
Door Insulation Type	• None
Seal Type	• Norseal FS1000 Self Adhesive Intumescent Foam Tape • 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 wall. Apply Intumescent Sealant to the rear of the Picture Frame 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.