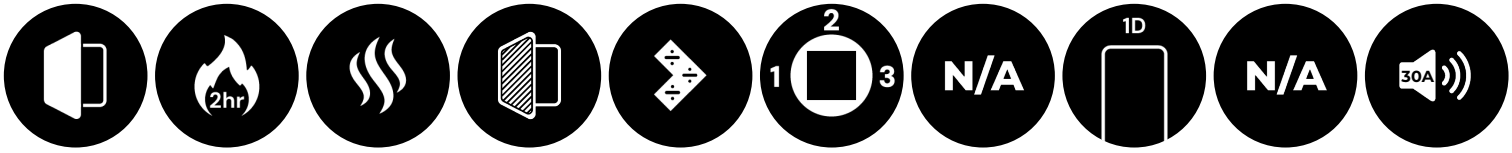
Datasheet

R53/120S/PD/BF/L12A/30A

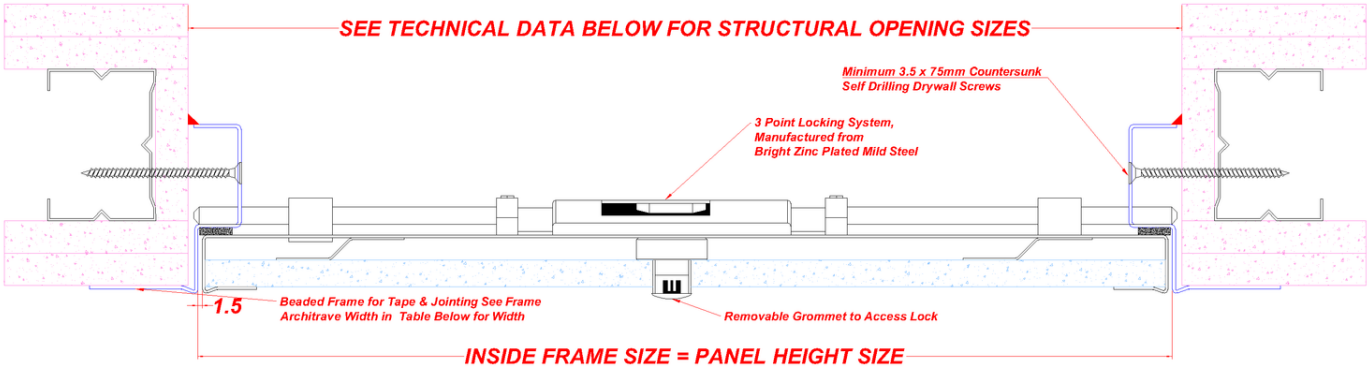
Description

Premium Plasterboard Faced Riser Door, Supplied with a Spring Pin Hinge System, 2 Hour fire rated & Ambient Smoke Control Tested, Plasterboard Door, Beaded Frame, 3 Point Locking System, Single Door Unit, 30 dB Acoustic Rated, Powder Coated RAL 9010 30% Gloss.

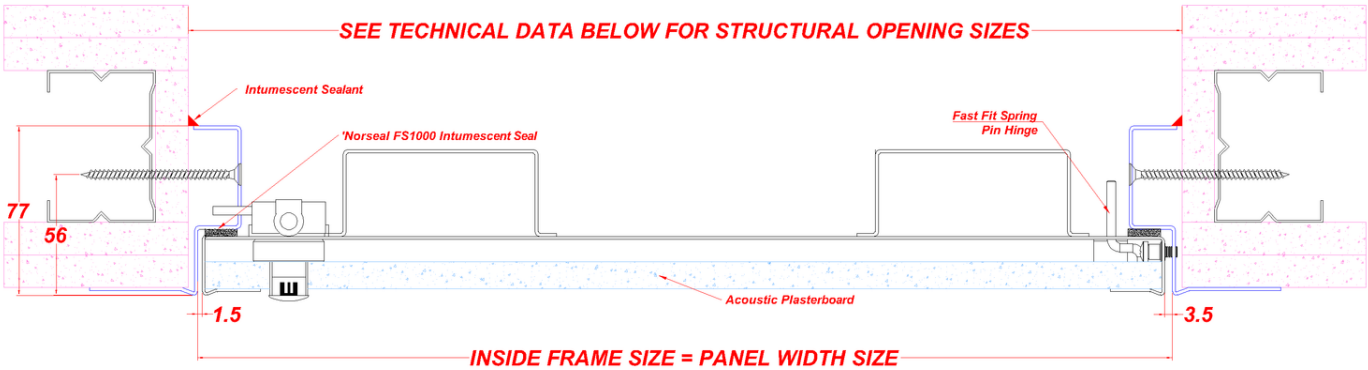
PRODUCT TYPE	FIRE RATING	SMOKE TESTED	DOOR TYPE	FRAME TYPE	MASTER LOCK TYPE	SECONDARY LOCK TYPE	NUMBER OF DOOR LEAVES	AIRTIGHT RATED	ACOUSTIC RATED



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	• 2 Hour Fire Rated
Fire Test Standard	• BS EN 1634-1: 2014+A1:2018 from the face (room side) • BS EN 1634-1: 2014+A1:2018 from the rear (services side)
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	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.	300x300mm 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	30dB
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) • 2no layers of 15mm thick Gyproc Fireline to the face & rear of the partition. • The aperture must be lined with 1No layer of 15mm thick Gyproc Fireline. • Walls must be supported by fire resistance test evidence confirming they remain in place and intact for at least 120 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 5mm x 100mm Countersunk Self Drilling Drywall Screws
Frame Fixing Hole Distance back from the Face of the Panel	• 56mm
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 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

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	77mm
Board Infill Type	• 12.5mm Thick GTEC dB Board
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, 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.

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

4) Refit the door by placing the lower Spring Pin hinge pin, sliding the top hinge pin until fully located, and closing the door.

5) 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 the beaded door plasterboard to prevent cracking.