Datasheet

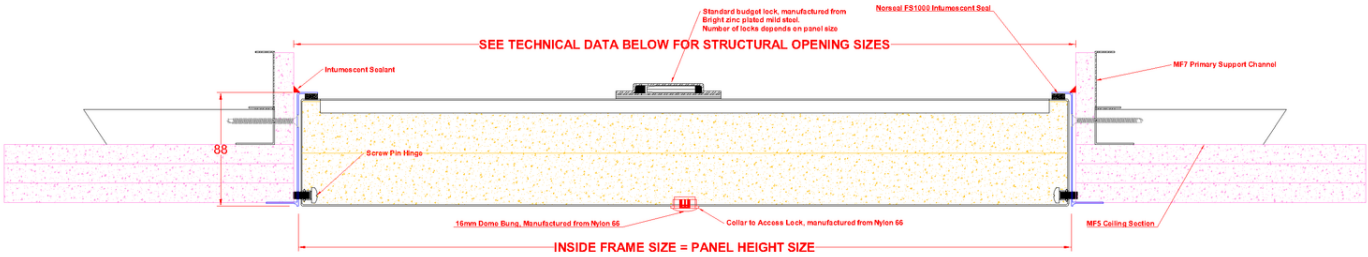
R12/120S/MD/BF/L11A/ATN

Description

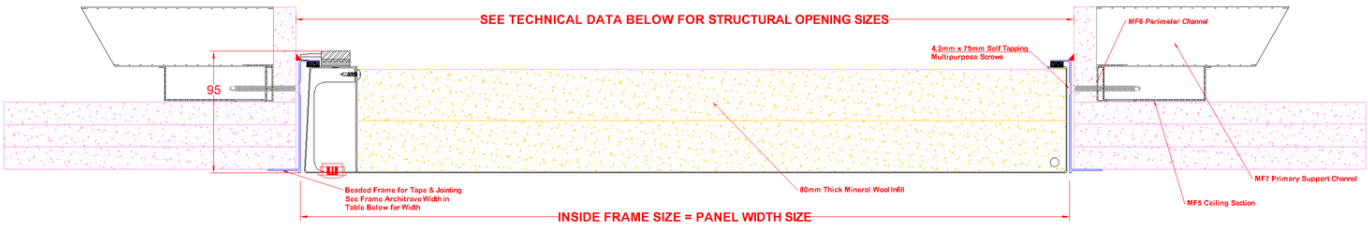
Metal Faced Insulated Loft Hatch, 2 Hour fire rated & Ambient Smoke Control Tested, Metal Door, Beaded Frame, Budget Lock, Single Door Unit, Airtight Panel, Powder Coated RAL 9010 30% Gloss.

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					N/A	1D	3	N/A

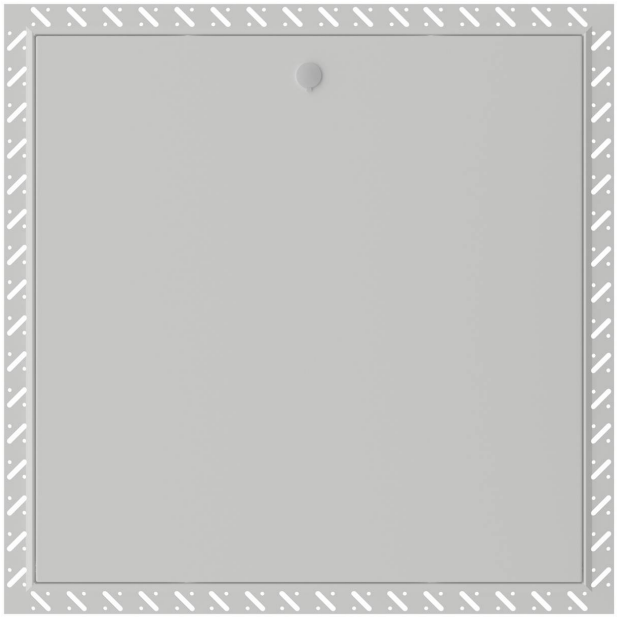
Section Drawing Height (H)



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	650x900mm
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.	300x450mm up to 650x900mm
Smoke Test Standard	BS EN 1634-3: 2004 Corr:2007
Air Permeability Test Standard	BS EN 1026: 2016
Air Permeability Rating	· 600Pa CLASS 3
Acoustic Tested	No Rating
Calculated U Value (Not Tested) Part L Compliant	· This Product has a calculated U Value of 0.35 W/m2K · Part L Compliant, achieving the following results. Positive Pressures: 4.28m3/h/m2 & Negative Pressures: 3.79m3/hr/m2 tested @ 50Pa
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.
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	· 66mm
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 - 20mm x Panel Width - 105mm
Composition / Manufacturing	
Quality Category	Mid Range
Product Design Category	Standard Product
Ironmongery Details	· Standard budget lock manufactured from Bright zinc plated mild steel · Screw Pin Hinge, manufactured from Bright Zinc Plated (BZP) steel
Lock Security Level	Grade 1 – Low Security
Frame Architrave Width (e.g. Picture / Beaded Frame)	· 25mm
Frame Steel Thickness	0.9mm
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	88mm
Board Infill Type	· None
Door Insulation Type	· 2no layers of 40mm Thick Rockwool RW3

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, remove insulation, release the hinge bolts, 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 positions.
3) Remove the frame, drill clearance holes for the marked positions.
4) Fix the frame into the aperture using all fixing holes, ensure it is square and flush with the ceiling. Apply Intumescent Sealant to the rear of the Picture Frame before installation.
5) Refit the door by tightening the hinge bolts back in position, inserting insulation into the door leaf. 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 Loft Hatch 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.