



# FIRE RESISTANT STEEL DOORS

Robust Fire Resistant Steel Doors, fitted in internal and external applications in a wide variety of wall constructions, are designed to protect personnel & property from the spread of flames & smoke. They offer substantial benefits over comparable timber doors; strength, durability & security.

The range has been tested to BS 476 Parts 20 & 22, BS EN 1634 and holds appropriate FRS & Bodycote Warrington Assessments.



FIRE RESISTANT

## VERSIONS

- FD60:** Providing protection up to One Hour (60 minutes) in a traditional unlatched design.
- FD120:** Providing protection up to Two Hours (120 minutes) with a latched design.
- FD240:** Providing protection up to Four Hours (240 minutes) with a latched design.  
Please contact the Sales Office for special configurations

## DOOR LEAF

**Production Sizes:** All fire resistant doors are custom made, to a maximum width of 1250mm as a single and 2600mm as a double. A maximum height of 2800mm in a single leaf. Infill panels to side or top can be provided as optional extras.

**Thickness:** 48mm.

**Material:** 1.2mm corrosion resistant Zintec/Aluzinc sheets as standard. Wide variety of colours and finishes available.

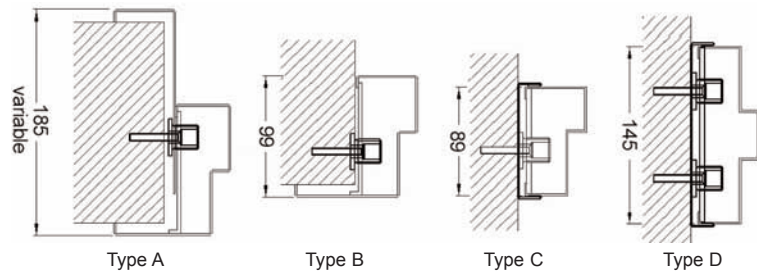
**Infill:** Self supporting resin-impregnated honeycomb core as standard, with the option of mineral wool.

**Construction:** A non-welded construction from two skins of Zintec folded around a rigid core.

## DOOR FRAME

**Construction:** Folded from 1.6mm Zintec/Aluzinc. Screw and tab construction with 4no. adjustable fixing feet per jamb, variable sub-frame supplied as standard to accommodate site tolerance of -0/+30mm. The frame is fitted with 3no. Class 13 stainless steel hinges with 2no. security dog bolts.

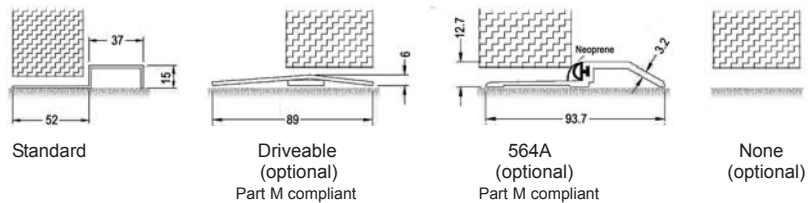
**Profile:**



## THRESHOLD

**Standard:** 15mm rebated threshold.

**Optional:** 5mm driveable (DDA compliant).  
12.5mm 564A Aluminium (DDA compliant).



## FINISHES

**Standard:** Pre-primed steel (approximating to BS10A05 Goosewing Grey) requiring site painting.

**Optional:** Polyester Powder Coating from standard colour range.  
PVC laminate from standard range.  
Woodgrain PVC laminate.  
Stainless steel, brushed, polished or patterned.



SYSTON ROLLING SHUTTERS LTD TRADING AS SYSTON DOORS

Albert Street, Syston, Leicester LE7 2JB, U.K. - Telephone: (0116) 260 8841 - Fax: (0116) 264 0846

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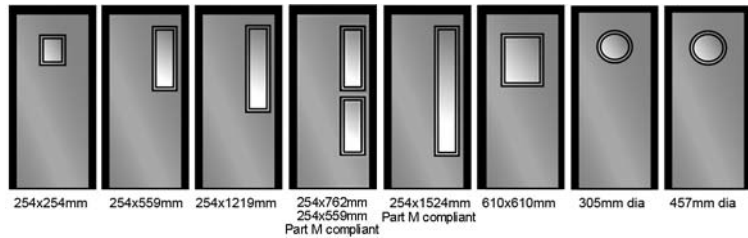
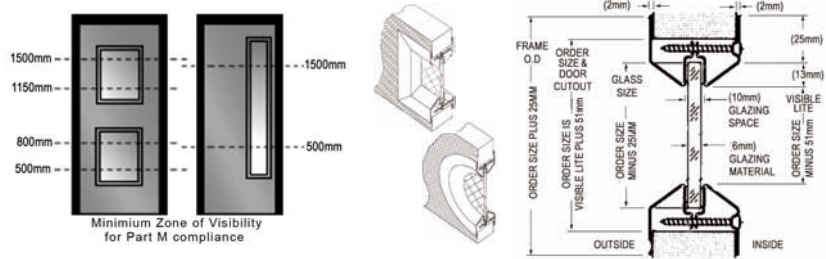
## VISION PANELS



**Guidance Notes:** To comply with Part M of the Building Regulations 2004, doors across circulation routes should have visibility glazing. (Vision panels less than 50% of the total door area are exempt from Part L of the Building Regulations.)

**Fire Assessment:** Under the BRE Assessment the following rules apply:  
Maximum panel size 637x592mm (0.377m<sup>2</sup>)  
No vision panel to be fitted within 200mm of any door leaf edge.

**Options :** Standard glazing is 6mm GWPP Safety (up to 2hrs. integrity).  
Alternative options include 6mm Firelite Clear Ceramic Glass (up to 4hrs. integrity).



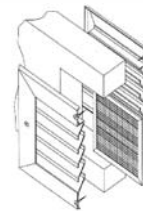
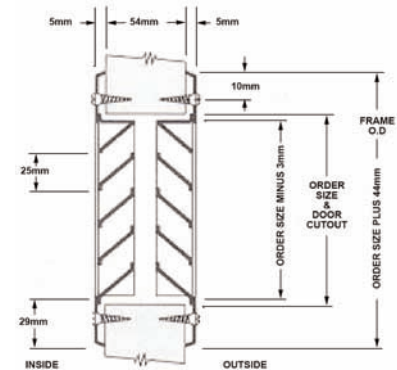
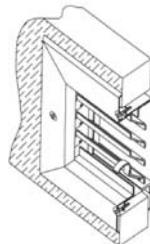
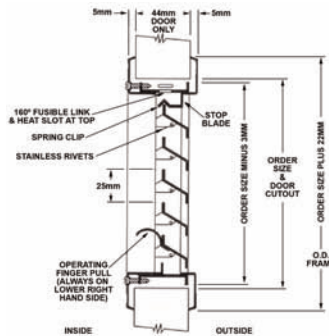
## LOUVRE PANELS

**Construction:** **FD60 & FD120** The louvre panel has moveable steel blades which can be closed manually. The blades are also closed by a fail-safe fusible link set to melt at 160°. **FD240** (optionally FD60 & FD120) The panel is constructed of 2 separate steel louvre panels fitted on either side of an intumescent fire block core.

**Fire Assessment:** Under the BRE Assessment the following rules apply:  
Maximum panel size 610x610mm (0.372m<sup>2</sup>).  
No louvre panel to be fitted within 200mm of any door leaf edge.  
The louvre panel top should be not more than 1000mm from floor level.

**FD60 & FD120**  
FUSIBLE LINK LOUVRE

**FD240 (FD60 & FD120)**  
INTUMESCENT BLOCK LOUVRE



FIRE RESISTANT

# System Doors

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