

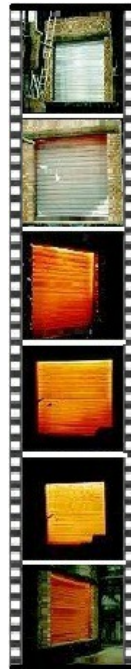
## GENERAL

The Mercian SF Series galvanised fire resisting roller shutter door is manufactured to specific requirements to suit regular shaped openings. **Our SF Series fire resisting roller shutter doors fully comply with the product conformity certification for manufacture and installation in accordance with Building Regulations Approved Document B. Mercian are fully certified to maintain these products in accordance with requirements**

Maximum opening size; 7000 mm wide x 7000 mm high (with electric operation). Oversize doors are subject to special assessment.

Special features of this range are:

- Certified by LPCB (Loss Prevention Certification Board).
- Certificate number 335b/01 to LPS 1056.
- Tested and assessed to BS476:Part 22.
- Fire resistance up to 4 hours.
- Individual lath can easily be replaced if damaged.
- Choice of colours in Polyester powdercoated finish.
- Rapid installation by factory trained engineers.



Certification is dependent on:

- 1) The opening to be only as approved by the LPCB.
- 2) The door is installed by the manufacturer - Mercian Industrial Doors.



## COMPOSITION

**Curtain** Constructed from preformed galvanised steel scrolled lath with ribbed profile at 75 mm centres for extra strength or 50 mm flat lath.

**Bottom Rail** Rigid and robust inverted 'T' section in galvanised steel, gives additional strength to the bottom of the curtain.

**Side Guide** Profiled steel section which offers minimum resistance to the movement of the curtain. Flares at the top of the guides provide and accurate lead for the shutter curtain. Stop bars are fitted to the guide at the clear opening height to prevent accidental over travel.

**Torsion Springs** As required by our design specification. Mild steel heavy duty endplates with rolled steel fixing angles or galvanised formed endplates are used to transfer the barrel weight back to the structure.

**Locking** Not recommended.

**Activation** Various types available to suit specific requirements. Please ask for our separate leaflet.

## Accessories

The following are available as factory fitted extras or as supplementary items at a later date;

- Electric Operation.
- Release devices activated by fire/smoke alarms.
- Release devices activated by local heat.
- Audio visual displays.

## SITWORK

**Construction** Openings may be formed in masonry, steel or concrete. The building structure must be suitable to support the loading imposed by the door. Our technical staff will be happy to advise on specific requirements.



Assessed to ISO 9001:2008  
Certificate number 355

Mercian Industrial Doors is a trading name of Mercian Shutters Limited  
Pearsall Drive Oldbury West Midlands B69 2RA Tel: 0121 544 6124  
www.merciandoors.co.uk sales@merciandoors.co.uk

Mercian Industrial Doors has a policy of continuous product improvements and reserve the right to amend specifications and details without notice.

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## OPERATION/CONTROL DETAILS

TYPE	SF50C/SF75C <sup>1</sup>	SF50E/SF75E <sup>2</sup>
Operation	Handchain (low gear ratio)	Electric motor. 240 volt single phase or 380/400 volt 3 phase
Application	For openings where the door is left open and not used daily. Fitted with a controlled descent mechanism.	For openings that are used frequently by personnel. Fitted with a controlled descent mechanism.
Curtain Type	50 mm flat lath or 75 mm curved lath	
Sizes	4000 mm wide x 4000 mm high maximum* SF50 5000 mm wide x 5000 mm high maximum* SF75 *For sizes exceeding these dimensions please contact us for recommendations	
Side Clearance	170 mm	
Headroom	486 mm - SF50 780 mm - SF75	

<sup>1</sup> This unit is fitted with a low gear ration for controlled descent therefore it is not suitable for daily use. We recommend that an electric operator fitted if regular operation is required.

<sup>2</sup> All power operated doors supplied by Mercian Industrial Doors comply fully with the Supply of Machinery (Safety) Regulations 1992 and the machinery Directive 89/392/EEC and are CE marked in accordance with these regulations.

## SUPPLY

*Delivery* The doors are delivered to site on Mercian transport. Delivery periods are flexible to meet the demands of our customers but usual delivery times are 3/4 working weeks from settlement of details.

*Technical* For further information or technical advices please contact our Sales department.

## INSTALLATION & MAINTENANCE

The company has teams of specially trained installation engineers and offers a comprehensive programme of preventative maintenance, upgrade and emergency repair service to **ALL** types of industrial doors, Free survey and quotation service.



Assessed to LPS 1056  
Certificate number 355b



Assessed to LPS 1271  
Certificate number 355c



Assessed to LPS 1197  
Certificate number 355a

LPS 1056: Test and Evaluation Requirements for the Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutter Assemblies

LPS 1271: Requirements for LPCB Approval and Listing of companies installing fire and security doors, doorsets, shutters and smoke/fire barriers

LPS 1197: Requirements for LPCB Approval and Listing of companies inspecting, repairing and maintaining fire and security doors, doorsets, shutter and active smoke/fire barriers



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