




Flameshield FS120JM Fire Shutter

- ✓ BS EN 1634-1
- ✓ BS EN 16034-2014
- ✓ Classification Report – WF422883
- ✓ EXAP to BS 15269-10 - WF422881
- ✓ BS EN 13241 – 2812-CPR-RA5009
- ✓ Masonry and Steel Structure Tested. - WF421378
- ✓ Timber Structure Tested - WF421972
- ✓ CE Marked

Structure		
Flexible (Timber)		✓
Rigid (Masonry, Steel, Concrete)		✓

Our Flameshield FS120JM, certified for both rigid and flexible apertures, provides fire protection and compartmentation for various types of applications. Fire shutters are essential for ensuring the safety of occupants and limiting the spread of fire damage to a building in the event of a fire emergency. Our Flameshield FS120T fire shutters are CE Marked, constructed in line with fire testing to BS EN 1634-1 and in full compliance with BS EN 16034:2014.

The Flameshield FS120JM Fire Shutter can be operated by key switch via a single phase internal tubular motor. Made from interconnecting 76mm galvanised steel scrolled lath, mild steel box housing, galvanised steel guide rails, end plates and T section bottom rail. It is designed for both face fix and reveal fix installation. All visible steel work can be polyester powder coated to any RAL or BS colour.

Upon receipt of a fire signal the Flameshield FS120JM will commence a controlled descent, 2-stage closing can be provided via use of an audio-visual panel. This shutter can also be provided with a manual override/crank handle to operate the product on loss of power.



Sizes

	Minimum (mm)	Maximum (mm)
Width	590mm	9000*
Height	500mm	9000*

Minimum and maximum sizes dependant on specification will vary according to integrity rating, please contact our team to check for confirmation.



Key Features

- | | |
|---------------------------------------|----------------------------------------|
| ✓ Bespoke sizes | ✓ Easy to Fit |
| ✓ Discreet design | ✓ Variable hood configurations |
| ✓ Symmetrical design of guide offsets | ✓ Fixing kits Supplied as Standard |
| ✓ Can be used as a standard shutter | ✓ Bespoke colours available on request |



Fire Shutter Specifications

- Curtains are constructed from 76mm curved steel scroll laths, 20 or 22mm gauge, interlocked with steel end locks and galvanized "T" section bottom rail.
- The curtain, guides and angles are galvanized, angles, barrel and end plates are painted.
- Single and three-phase motors capable of lifting doors up to 1800Kg's with rapid set limit switches and incorporating a low-level override system with a controlled descent. Each JM motor is supplied with a built-on PCB controller and a low-level open/stop/close push button. Open, close and two safety limits as standard.



Additional Extras

- RAL or British Stand polyester powder coating finish.
- Audio Visual Panels (FCP-01 or FCP03).
- Range of different push buttons.
- Single Phase or Three Phase Options
- Repeater (Slave) panel or Sounder Beacons
- Emergency manual override facility.
- Motor hood (Mandatory for Fire Shutters less than 2.5m in clear height).
- UPS Options

1 Technical Drawings

Full technical CAD drawings available

2 Hood

Formed from 20swg steel sheet, with the top leg slotted for expansion. Dependent on the fire rating of the shutter (1HR, 2HR and 4HR) and the size of the opening.

3 End Plates

The endplates are fixed to a steel fixing angle which spans the full height of the shutter, which in turn is fixed back to the wall construction. A minimum of 2 off fixings are required, the fixing shall be along the full height of the fixing angle plus one additional fixing adjacent to the end plate spaced equidistantly along the height of the end plate.

4 Guides

Vary from 65mm straight channel galvanized guide mounted on 75mm x 50mm mild steel angle (minimum). For shutters of increased width, we allow for expansion and the depth of each guide rail shall be increased dependent on the shutter width.

5 Barrel

Barrel manufactured from mild steel tube, tube size varies based on the overall width and height of the curtain and the gauge of laths. The tube wall thickness varies dependent on the width of the shutter, the barrels are mounted on bright steel shafts varying from 18mm to 30mm dependent on the overall size of the shutter, the shafts have mild steel bearing blocks at non geared end and industrial motor at the geared end.

6 Release Mechanisms

Closure of the door is carried out by activation of brake release solenoid unit within the motor linked to the fire alarm to allow closure from a fire alarm signal comes complete. Fusible link back up for secondary safety method.

Alternatively, Audio Visuals Panels are available, again to be linked to the fire alarm, this unit offers the facility of a timed delay, these flash and sound to warn that the fire shutter is closing.



Warranty

Industry standard 12 months parts and labour warranty. Excludes damage and misuse by others.



Maintenance

There is a requirement under The Regulatory Reform (Fire Safety) Order 2005 for companies to ensure fire safety equipment is maintained and a record kept.

- Weekly: Check all the system for correct operation
- 6 Months: Inspections and test of the systems by a competent engineer
- Annually: Full inspections and testing adjustment, lubrication, repair, and cleaning of the systems by a competent engineer.

Components



3 Way Up/Stop/Down Pushbutton unit

Product details: robust housing, timeless design, protection class IP54, Surface mounting



The Motor is built with rapid set limit switches and incorporates a low-level override system with a controlled descent. Each JM motor has a built-in PCB controller and a low-level open/stop/close push button. Open, close and two safety limits as standard. Single or Three Phase Options