



Fireguard Fire-Resisting Roller Shutters

Fireguard fire shutters are designed to close automatically in the event of a fire. They are typically part of the overall building fire strategy. Their main purpose is to prevent or slow down the spread of fire. In addition, they can also be used as a security shutter. Test assessment for fire exposures of 1, 2 or 4 hours in accordance with BS EN 1634-1 and compliant with harmonised standard BS EN 16034:2014; also BS EN 13241-1:2003.

Key features

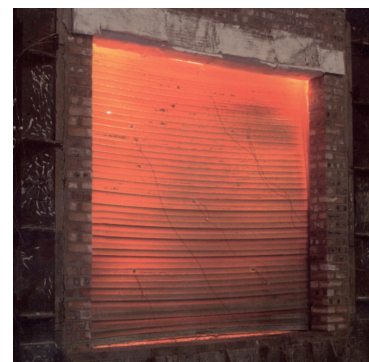
- Rated fire-resistance up to 4 hours
- Closes automatically in event of fire
- Can be powder-coated in most colours
- Also act as a security shutter

Suitable for

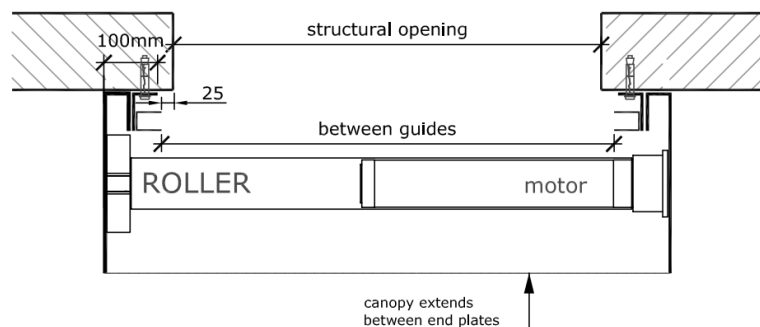
- Canteens and Serveries
- Commercial kitchens
- Escape corridors
- Stadiums
- Shopping centres
- Office blocks



1 to 4 hours of fire protection - Closes automatically in the event of fire

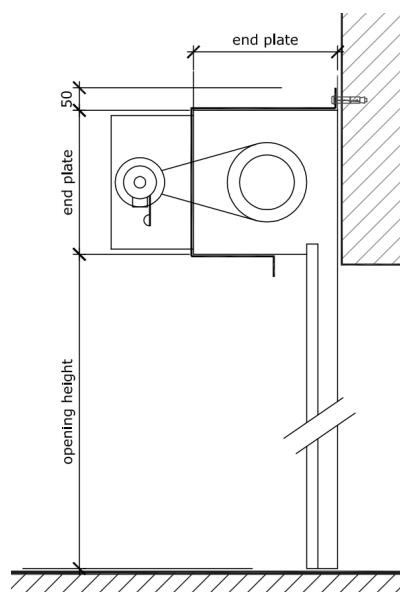
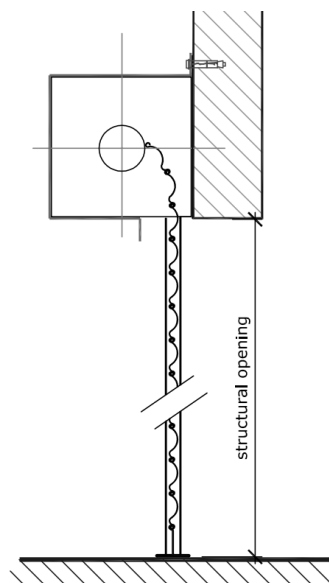
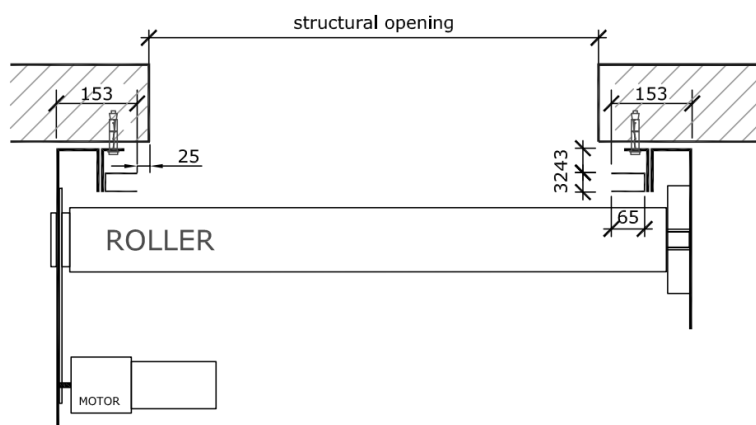


Technical specification



FS50 Tubular motor fire shutter (above)

FS75 Block motor fire shutter (below)



Fireguard Fire Resisting Roller Shutters

FS75 – fire rated 1, 2 or 4 hours

Construction:

Manufactured from 75mm curved galvanised steel lath. Galvanised steel T-section bottom rail; Galvanised mild steel guides 65mm u-section. Hood support bracket may be required, depending on fire rating, size, and weight (check with HVP).

Operation:

Electric operation external block motor available in 3 phase, 415 Volts, 50Hz, or 1 phase, 240 Volts, 50Hz. The shutter is driven by a geared electric motor, allowing the shutter to gravity-close in a fire situation (rate of descent approximately 100mm per second). Complete with emergency hand chain facility and push button starter. A safety brake is fitted when required to comply with BS EN 13241:2003-1.

Release mechanisms:

Generally by auto solenoid release, linked to the fire alarm. The solenoid requires a 24 Volt DC, 0.5 Amps signal. This is the most commonly used method of activation, allowing for frequent testing and re-setting. When the shutter is returned to the open position (after removal of the fire signal), the solenoid can be automatically reset. An optional fusible link or localised smoke/heat detector can be used as a backup to activate the shutter or as an alternative when a fire alarm signal is not available.

Finish:

Galvanised self-colour finish with one coat primer paint on end plates, angles and barrel; can be polyester powder coated to any RAL colour (subject to availability).

Maximum Sizes:

7000mmW x 5000mmH*

* Maximum width reduces according to height.

FS50 - fire rated 1 or 2 hours

Construction:

Manufactured from 75mm curved galvanised steel lath. Galvanised steel T-section bottom rail. Galvanised mild steel guides, 50mm or 65mm u-section depending on shutter size.

Operation:

Electric operation by single phase tubular motor. A safety brake is fitted when required to comply with BS EN 13241:2003-1.

Release mechanisms:

Generally linked to the fire alarm through a fire relay. Upon receipt of a Volt-free signal from the fire alarm, the shutter is powered down. The shutter requires a maintained power supply, and is supplied with a battery backup in case of mains power failure.

Finish:

Galvanised self-colour finish with one coat primer paint on end plates, angles and barrel; can be polyester powder coated to any RAL colour (subject to availability).

Size guide:

Minimum width: 800mmW overall endplates

Maximum Sizes: Up to 4800mmW and up to 3850mmH

For larger areas use the FS75 fire shutter.

More info on Fireguard FS75 and FS50: www.hvpshutters.co.uk/fireguard-roller-shutter.php

Detailed information on fire shutters in general: www.hvpshutters.co.uk/fire-shutters.php