

CI/SIB	(68.5)
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# Intelligent automatic fire curtain from SWS UK

Invisible when not in  
use yet provides safe exit  
in the event of a fire



# The *flexible* solution for a safe exit route

Invisible when not in use **Flame Curtain** is automatically activated in the event of a fire alarm or power failure. This ensures safety where it is needed without having to compromise on the aesthetics or design of a building.

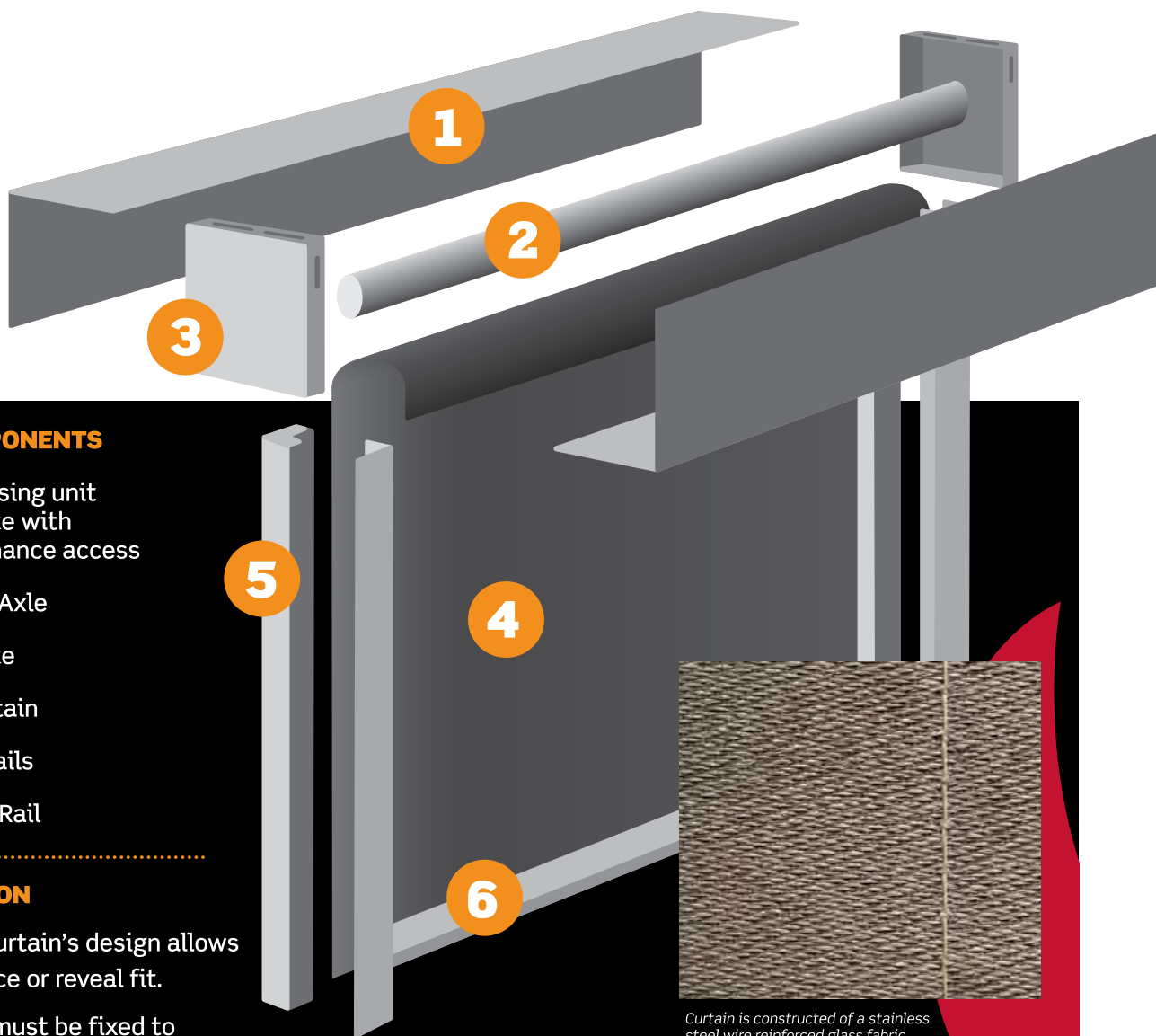
The **Flame Curtain** when lowered or deployed divides up large open spaces to slow down the spread of fire allowing a safe exit. **Flame Curtain** is strong enough to contain a fire for up to 2 hours whilst still allowing a route of escape should this be required. This is achieved by simply lifting the bottom rail to create a gap large enough to go under.

- Helps stop the spread of fire
- 2 hour rating
- Invisible when not in use
- Auto-operation
- Gravity fail safe
- Complies with regulations
- Easy to maintain



- 1 Invisible when not in use
- 2 Automatically activated
- 3 Takes seconds to deploy
- 4 Creates a fire barrier

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## MAIN COMPONENTS

- 1 Box housing unit complete with maintenance access
- 2 Curtain Axle
- 3 End Plate
- 4 Fire curtain
- 5 Guide Rails
- 6 Bottom Rail

## INSTALLATION

The Flame Curtain's design allows for both a face or reveal fit.

The curtain must be fixed to appropriate masonry / concrete or steel supporting constructions that have a fire resistance of at least the period required.

## COMMON APPLICATIONS

- No compromise on design in large open planned offices
- Contain fire to create a safe escape route
- Kitchen servery hatch
- Contain area in a building eg: restaurant/cafe area in a school/department store
- Greater protection on doors
- Contain fire within a lift
- Boundary protection to stop fire spreading to other premises eg: shopping centre

## NEAT AND UNOBTRUSIVE

The box, guide rails and bottom rail are compact in size making concealment straightforward. Box size is just 200mm x 220mm and provides straight forward maintenance access.

## SOPHISTICATED CONTROL

The fire curtain is powered by a 24VDC motor with a control system with full battery back up ensuring maintained function in the event of power failure.

## IMPROVED ESCAPE OPPORTUNITIES & SAFETY

In extreme circumstances a trapped occupant can force an escape passage under the curtain which will then reseal.



Curtain is constructed of a stainless steel wire reinforced glass fabric



Powered by a 24v DC motor with FC Control Panel



The versatile fabric allows for escape if required



*The neat unobtrusive design of the Flame Curtain means it is almost invisible when not in use*

#### TECHNICAL DETAIL

- Tested to approved standards  
BS 476: Part 22: 1987  
BS EN 1634-1: 2008
- Tested and approved by Exova Warringtonfire
- 2 Hour Rating
- Min Width 800mm - Max Width 6000mm  
Min Height 800mm - Max Height 5000mm
- Curtain is constructed of a stainless steel wire reinforced glass fabric intended for applications exposed to high temperatures
- Grey Finish
- Curtain Fabric Weight 0.69kg/m square
- Powered by a 24V DC Tubular Motor
- The product is not designed for frequent use and should remain open during normal use
- Frame is galvanised steel powder coated white as standard. Other colours are available on request for a small surcharge.
- The motors and control panels features controlled descent or gravity fail safe in the event of a signal from a fire alarm or a power failure

#### Features of standard FC control panel

- Alarm Input
- Emergency Override input for emergency escape or Fireman's switch
- Audio / Visual Output
- 24v Battery Backup

The FC +PLUS control panel features all of the above but also includes:

- Split Drop Curtain To Allow Emergency Access
- Low Battery Automatic Close Feature
- Group Control Facility
- Safety Device Inputs

#### MAINTENANCE RECOMMENDATIONS

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

**Weekly:** Check all the system for correct operation.

**3-6 Months:** Inspection and test of the system by a competent engineer.

**Annually:** Full inspection and test of the system by a competent engineer, clean self contained detectors. Replace the 12v batteries in the control panel.

#### ACCESSORIES



Automatic Door Release



Talking Warning Device



Visual Warning Device



Optical Smoke Detector



Heat Detector



Ionisation Smoke Detector

Your approved Flame Curtain supplier:

**SWS**  **UK**



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