

FIREGUARD HFS PLUS SMOKE & FIRE CURTAIN

Technical Specifications

HAG

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FIREGUARD HFS PLUS SMOKE & FIRE CURTAIN

CONTENTS

1. [Product Overview](#)
2. [Ratings](#)
3. [Common Applications](#)
4. [Product Specification](#)
 - [Product Compliance](#)
 - [Components](#)
 - [Arrangement](#)
 - [Curtain Material](#)
 - [Guide Rails](#)
 - [Head plates](#)
 - [Head Box](#)
 - [Bottom Rail](#)
 - [Operation](#)
 - [Controls](#)
 - [Control Options](#)
 - [Seals](#)
 - [Finish](#)
 - [Optional Extras](#)
 - [Installation](#)
 - [Maintenance](#)

PRODUCT OVERVIEW

The Fireguard HFS Plus Smoke and Fire Curtain provides optimum levels of smoke and fire protection with added irradiance shield.

This protection system is designed to provide safe evacuation routes in proximity to the fire curtain and protection for close contact. It comes complete with smoke seals as standard to provide 120 minutes of smoke & fire protection. CERTIFIRE approved.

Please also see our alternative products [HF60](#) and [HF240](#).

HOW WE RATE THIS DOOR

- ★★★★★ Fire Protection
★★★★★ Smoke Protection
☆☆☆☆☆ Security Protection

COMMON APPLICATIONS

- Airports
- Kitchen Servery Hatches
- Retail Units
- Hospitals
- Offices
- Schools

PRODUCT SPECIFICATION

PRODUCT COMPLIANCE

- Fire Integrity (E) 120 minutes
- Irradiance (W) 120 Minutes
- Insulating Zone (IZ) 180 minutes
- Self-Closing
- Compliant to EN1634- 1. Classifications as EN 13501 – 2:2007 + A1: 2009
- Compliant to BS EN 1634-1:2008
- Compliant to BS EN 1363-1:1999
- Compliant to BS EN 1363-2:1999
- Compliant to BS EN 949
- Compliant to EN1634 -3
- Compliant to BS EN 12101 Annex B
- Compliant to EN13501-2:2007 + A1:2009
- Compliant to PAS 121
- Full CE Compliance (conformity certificates on request)
- CERTIFIRE Certified
- Complies to Document Part M Building Regulations 2004

COMPONENTS INCLUDED

Components included as standard: curtain, guides, bottom rail, box, battery backup, control unit, motor, smoke seals.

Choice of primer or standard powder coat finishes.

Additional specification levels and optimisable components available on request.

ARRANGEMENT

The Fireguard HFS Plus Smoke and Fire Curtain can be installed Face or Reveal Fix to Steel, Masonry, Hardwood or Fire Boarded Softwood, allowing for incredibly adaptable installation.

When the application requires this fire protection system to be concealed the HFS Plus can be installed in suspended or solid ceilings.

CURTAIN MATERIAL

The curtain is manufactured from a Woven Fibreglass and Stainless Steel Fabric with an Intumescent Silicone coating.

Metal studs are sewn into the sides of the curtain to ensure its correct position in the guide frames whilst in operation.

GUIDE RAILS

The Fireguard HFS Plus Smoke and Fire Curtain has two galvanised steel guide rails of 100mm x 50mm.

HEAD PLATES

Two galvanised steel head plates hold the shaft with the rolled curtain. Sizing is dependent on the height of the application.

Up to 5 metres high, 210mm x 240mm.

HEAD BOX

The Fire Curtain assembly comprises of a box housing at high level, in which sits the shaft, motor and rolled Curtain. The box is attached to channel section guides at each end.

BOTTOM RAIL

A galvanised steel 'Bell' bottom rail provides the weight needed for the curtain to self-close.

OPERATION

The system is held in the open position by a single phase electric 24v DC motor. When a fire is detected, or power is lost, the motor will disengage and allow the gravity failsafe to activate.

CONTROLS

The Fireguard HFS Plus Smoke and Fire Curtain system is supplied with a gravity failsafe control panel with in-built lead-acid battery support.

CONTROL OPTIONS

Various options are available to ensure compliance, dependent on the site's fire protection requirements:

- Audio/visual warning devices
- Emergency retract Switches
- Split drop & delayed drop programmes
- Beam sensors

SEALS

The Fireguard HFS Plus Smoke and Fire Curtain comes with smoke seals as standard.

FINISH

Head box, guides and bottom rail are galvanised at source with the option to be powder coated as required to any standard RAL or BS4800 colour.

Fire Curtains are naturally silver grey or charcoal finish, depending on the specification.

OPTIONAL EXTRAS

Silicone optical resin rescue vision windows can be specified, allowing emergency services to see into the area for rescue purposes. Positioning can be either at high or low level, and will withstand direct flame at temperatures up to 1065 °C for periods of up to 2 hours.

Additional extras include:

- Split drop
- Delay on alarm
- Beam sensor
- Emergency retract switches
- Smoke seals
- Visual alert system

INSTALLATION

These fire resisting curtains are suitable for internal applications.

HAG provides full installation, repair and maintenance for the Fireguard HFS Plus Smoke and Fire Curtain nationwide.

MAINTENANCE

Regular maintenance is required for all safety products by Law. Competitive maintenance contracts are available on request.

Product specification may change and it is advisable to consult with HAG technical advisors before specifying or ordering. HAG operates a policy of continuous improvement.