

## FireSafe Plus

The FireSafe Plus is an electrically operated Automatic Fire Barrier, to be used to form a barrier against fire. It is designed for all application types where a lesser performance of radiation is required, i.e. protecting a means of escape by creating a tenable zone to pass by.

The system has a classification of E120 EW120 in accordance with BS EN 13501 2:2007+A1:2009.

The system was subjected to 25 pre-conditioned cycles achieving a C0 classification in accordance with BS EN 14600:2005.

The system was subjected to a fire-resistance test achieving a performance level of 120 minutes to BS EN 1634 1:2014 in accordance with BS EN 1363 1:2012.

Radiation of less than 15kW/m<sup>2</sup> was measure for a period up to 120 minutes to BS EN 1634 1:2014 in accordance with BS EN 1363 2:1999.

The fabric curtain consists of is a stainless-steel wire reinforced glass fabric, coated with a specially formulated intumescent filled silicone. When exposed to temperatures above 160°C the coating system will form an expanding carbonic char. This material does not generate toxic emissions.

The fabric weight is approx. 1750g/m<sup>2</sup> with a nominal thickness of 1.9 mm.

### **Disclaimer**

*Smoke & Fire Curtains Ltd. has a policy of continuous product improvement. As such we reserve the right to change design and specifications without prior notice. Please check our website for the latest information.*

*The fabric swatch is not intended to be tampered with.*

*The swatch is a glass fibre based and if damaged could become an irritant when handled so ensure you wash your hands after handling.*

## FireSafe Plus

FireSafe Plus is enclosed in a head box manufactured from 1.2 mm Zintec steel with a removable cover plates allowing access to the fabric curtain roller for ease of service and maintenance.

The lower edge of the fabric curtain incorporates a bottom bar. This weighted bar enables the fabric curtain to unwind, upon receipt of a signal, to its fire operational position. The bottom bar helps to stabilise the fabric curtain and provides an interface against the underside of the head box. The roller is constructed from steel tube, which incorporates a 24Vdc motor which is connected to the systems control panel. The fabric curtain edges are retained in side guides either side of the opening and are fixed to the construction opening.

FireSafe Plus has fixing options to suit all types of ceiling configurations and can be integrated into either a suspended or a solid ceiling. It remains hidden until required. Upon receiving a signal from the fire detection system or on loss of power the Automatic Fire Barrier unwinds to its fire operational position by gravity.

**Optional Extras** can all be provided, depending on the design application type:

- \*Split Drop
- \*Beam Sensors
- \*Emergency Retract Button
- \*Voice Warning Recorder
- \*Delay on Alarm
- \*Smoke Seals
- \*Audio Visual Alert
- \*Fireman's Over Ride Facility

**FireSafe Plus - Headbox Sizing Chart**

Curtain Drop	Single Box
	Standard
	Size (WxH) mm
Up to 2.5m	180 x 180
2.5m to 4m	200 x 200
4m to 6m	210 x 240

FireSafe Plus can be provided to protect openings widths of up to 5m on a single roller and heights up to 6m.