

FireSafe 240

The FireSafe 240 is an electrically operated Automatic Fire Barrier, to be used to form a barrier against fire.

The system has a classification of E240 EW30 C0 S_a 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 over 240 minutes to BS EN 1634 1:2008 in accordance with BS EN 1363 1:1999.

Radiation of less than 15kW/m² was measured for a period up to 41 minutes to BS EN 1634 1:2008 in accordance with BS EN 1363 2:1999.

The system was subjected to a smoke leakage test achieving an S_a classification to BS EN 1634-3:2004.

The fabric curtain consists of a lightweight glass fabric reinforced with stainless steel wire and coated with a specially formulated fire-retardant aluminium pigment polyurethane coating.

The fabric weight is approx. 640g/m² with a nominal thickness of 0.5 mm.

The fabric has been independently tested for reaction to fire in accordance with BS EN ISO 1716:2010 and BS EN 13823:2010 achieving a classification of A2-s1, d0 in accordance with BS EN 13501 1:2007+A1: 2009.

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.

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FireSafe 240 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 240 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 240 - Headbox Sizing Chart

Curtain Drop	Single Box	Double Box
	Standard	Over / Under
	Size (WxH) mm	Size (WxH) mm
Up to 2.5m	160 x 160	160 x 320
2.5m to 4m	180 x 180	180 x 360
4m to 6.6m	210 x 210	200 x 400

FireSafe 240 can be provided to protect openings widths of up to 6m on a single roller and heights up to 6.6m. Utilising a multiple roller configuration widths can be provided up to 30m wide and heights up to 6m.

Engineering Assessments on the FireSafe 240 allows for smaller depth of side guides.