



Global Fire Control Solutions

Smoke & Fire Curtains Ltd

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FIRESAFE 120 ENHANCED SYSTEM - AN ACTIVE FIRE CURTAIN BARRIER FOR DOMESTIC & COMMERCIAL APPLICATIONS COMPLIANT TO BS 8524.

The FireSafe 120 ENHANCED is an electrically operated Automatic Fire Barrier, to be used to form a compartmentation against fire. Suitable Applications include, lobbies, atriums, reception areas, boundary line protection, compartmentation, stairs, escalators and lift areas and protection of main routes of escape.

Tested to the compliance requirements of BS 8524-1. The system has a classification of E120 EW30 C1 Sa in accordance with the Classification document BS EN 13501-2: 2016.

FireSafe 120 ENHANCED system was subjected to a fire-resistance testing instructions detailed within BS 8524-1 achieving a performance level of over 120 minutes to BS EN 1634 1:2014 + A1: 2018 in accordance with BS EN 1363-1: 2020 and a Radiation of less than 15kW/m² was measured for a period up to 30 minutes to BS EN 1634 1:2014 + A1: 2018 in accordance with BS EN 1363-1:2020 and were appropriate using procedures outlined in BS EN 1363-2 1999.

The system was subjected to 500 pre-conditioned cycles achieving a C1 classification in accordance with BS EN 14600:2005, to show reliability and then Fire Resistance.

The system was subjected to a smoke leakage test achieving a Sa classification to BS EN 1634 1:2014 + A1: 2018

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. g/m² value 690 with a nominal thickness 0.7mm ±5%.

The fabric has been independently tested for reaction to fire in accordance with BS EN ISO 1716:2010 and BS EN 13823:2010.

The system had complete a series of tests for CE Marking under the Machinery Directive (MD). Power Supplies and Control Panels have been tested in accordance EN12101-10.

BS 8524-2 THIRD PARTY INSTALLER CERTIFIED

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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Registered address: The Atkins Building, Lower Bond Street, Hinckley, LE10 1QU

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FIRESAFE 120 ENHANCED SYSTEM - AN ACTIVE FIRE CURTAIN BARRIER FOR DOMESTIC & COMMERCIAL APPLICATIONS COMPLIANT TO BS 8524

FireSafe 120 ENHANCED 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 fabric is a stainless-steel wire reinforced glass fabric coated with a specially formulated intumescent filled with a PU coating on each side. 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 inside guides either side of the opening and are fixed to the construction opening.

FireSafe 120 ENHANCED 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
- *Delay on Alarm
- *Smoke Seals
- *Audio Visual Alert



FireSafe 120 - Headbox Sizing Chart	
Curtain Drop	Single
Up to 2m	180mm x 180mm
2m - 4m	200mm x 200mm
4m - plus	210mm x 210mm

FireSafe 120 ENHANCED as per assessment report can be provided to protect opening vertical widths of up to 7000mm on a single roller and heights up to 7000mm.

Disclaimer: Smoke and Fire Curtains Ltd. has assessments for fire curtain heights up to 14m. However, we do not recommend such a drop height due to design specifications and system functionality. The optimal drop height is limited to a maximum of 9m to ensure performance and reliability.