

FIRESAFE 240 ENHANCED SYSTEM - AN ACTIVE FIRE CURTAIN BARRIER FOR DOMESTIC & COMMERCIAL APPLICATIONS COMPLIANT TO BS 8524.

The FireSafe 240 **Enhanced** is an electrically operated Automatic Fire Barrier, to be used to form a compartmentation against fire, tested to the compliance requirements of BS8524-1. The system has a classification of E240 EW60 C1 S_a in accordance with BS EN 13501 2:2007+A1:2009.

FireSafe 240 **Enhanced** 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 and a Radiation of less than 15kW/m² was measured for a period up to 60 minutes to BS EN 1634 1:2008 in accordance with 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 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. 690g/m² ±5% with a nominal thickness of 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 achieving a classification of A2-s1, d0 class in accordance with BS EN 13501 1:2007+A1: 2009.

The system had complete a series of tests for CE Marking under the Machinery Directive (MD).

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.

Rev2 17.04.2025

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FireSafe 240 **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 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 **Enhanced** has fixing options to suit types of ceiling configurations therefore can be integrated into either a flexible or rigid supporting surrounds. 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



IFC Certification



FireSafe 240 - Headbox Sizing Chart	
Curtain Drop	Double Box
	Over / Under
	Size (WxH) mm
Up to 2	180 x 360
2m – 4m	200 x 400
4m – Plus	250 x 450

FireSafe 240 - BS8524 – 1 Utilising a multiple roller configuration widths can be provided with unlimited widths and heights up to 6m or 6m when incorporating an increased overlap of 1000mm.

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 7m to ensure performance and reliability.