

FireSafe PLUS 2

The FireSafe PLUS 2 is an Operable Fabric Curtain to be used to form a barrier against fire. It is designed for all application types where Insulation (EI) performance is required i.e. protecting a means of escape.

The system has a classification of E60 EI₂60 EI₁45 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 60 minutes to BS EN 1634-1:2014 in accordance with BS EN 1363-1:2012.

Radiation of less than 15kW/m² was measured for a period up to 60 minutes to BS EN 1634-1:2014 in accordance with BS EN 1363-2:1999.

Thermal Insulation Performance below: the mean temperature rise of the unexposed surface.

1 Thermal Insulation – The mean temperature rise on the unexposed face of the door shall be limited to 140° C above the initial mean temperature, with the maximum rise at any point of the door leaf limited to 180° C

2 Thermal Insulation – The temperature rise at any point on the frame shall be limited to 360° C measured at 100mm from the visible edge.

Performance results:

EI₁ 45 minutes I (1) Thermal Insulation

EI₂ 60 minutes I (2) Thermal Insulation

Classifications as detailed within EN 13501 – 2:2007 + A1: 2009 is therefore detailed as E60 EW60 and the following classification combinations can be used.

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 glass fibre based and if damaged could become an irritant when handled so please ensure you wash your hands after handling.

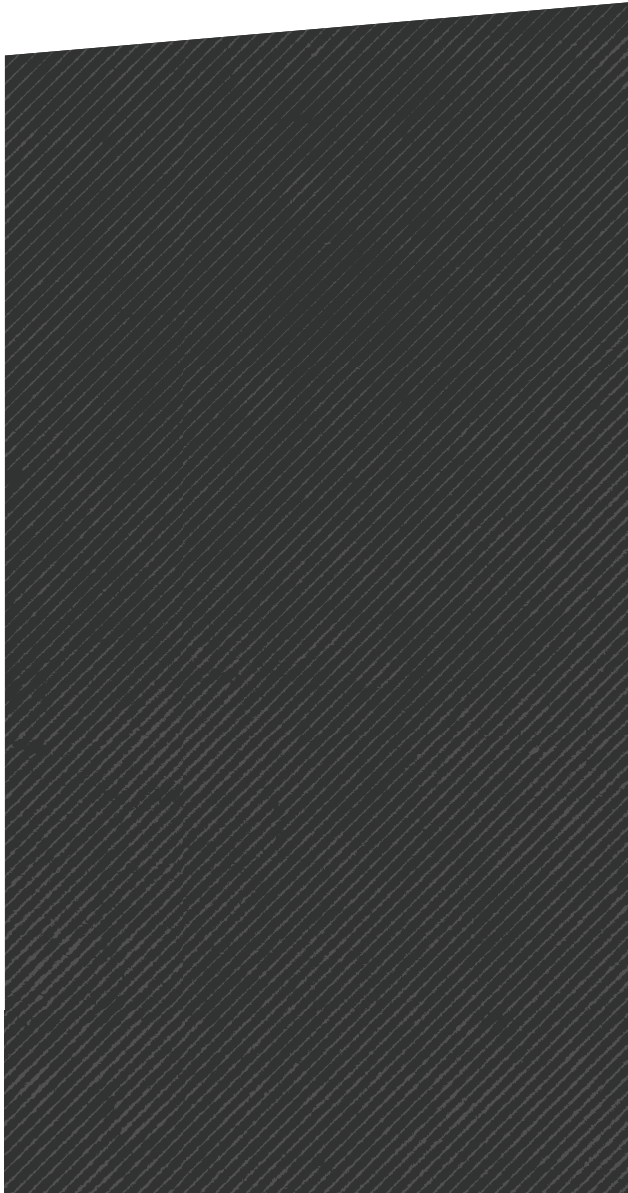
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FireSafe PLUS 2

FireSafe PLUS 2 is enclosed in a head box manufactured from 1.2mm Zintec steel with a removeable cover plate 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 curtains to unwind, upon receipt of a signal, to their fire operational position. The bottom bar helps to stabilise the fabric curtains and provides an interface against the underside of the headbox. The rollers are constructed from steel tube which incorporates 24Vdc motors which are 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.

The unique design incorporates two side by side systems with a 100mm gap between each fabric curtain. This creates a thermal insulation in-between the two layers of fabric curtain trapping the heat in-between both elements to reduce the thermal heat and irradiance of heat transference on the non-fire safe side.

The system requires Promat 9mm Supalux fire board to cover any exposed steel surfaces.

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 2 - headbox sizing chart

Curtain Drop	Single Box Standard Size (W x H)
3m	500 x 200mm

FireSafe PLUS 2 can be provided to protect opening widths of up to 3m and heights up to 3m.