**FIRE SHUTTER - FIREROLL ACOUSTIC E120**

Acoustic Rated and Fire Resisting Roller Shutter

**(SPECIFICATION 3-11)**

**Fire Resistance**

Tested to EN 1634-1 and rated E120 in accordance with EN 13501, EN 13241, EN 16034 & EN 15269-10.

The product is CE marked accordingly.

**Acoustic Rating**

When independently tested, the door achieved a weighted sound reduction of 25.2dB (at 2000Hz) with a 22dB Rw.

Additionally, a special double curtain arrangement is available with a maximum 39.1dB (at 2000Hz) with a 32dB Rw.

**Operation**

Electrical operation is by means of a 230-volt nominal 1 phase or 400-volt nominal 3 phase Speedsafe motor mounted on one endplate.

A safety brake is provided in compliance with the safeguarding requirements of EN 12604.

The controls are by means of constant pressure open / close / stop push button.

Emergency manual override is facilitated via a brake release cord to close the shutter curtain and haul chain to open.

Options include: - Keyswitch operation; Audio Visual warning; Alternative ATEX rated controls.

**Fire Activation**

In a fire condition, activation is initiated by a 24volt DC incoming signal from the fire alarm system in addition to local heat detection by 68°C failsafe fusible link. Closure is by gravity with a controlled descent.

**Curtain**

Constructed from 100mm flat section galvanised steel laths with acoustic / fire resisting infill and steel endlocks fitted to the laths to prevent lateral movement. The bottom rail is a lath fitted with a galvanised steel trim section.

**Bottom Rail**

Comprises a standard lath fitted with a galvanised steel trim section.

**Side Guides**

The side guides are formed from galvanised steel double rebate channels and are prepared for fixing to the opening structure by means of continuous fixing profiles.

**Roller**

The roller is manufactured from mild steel tube of sufficient diameter and wall thickness to resist deflection and is mounted in bearings on each end plate. A safety brake is included to comply with the safeguarding requirements of EN12604 and a galvanised steel casing is supplied as standard.

**Endplates**

Fabricated from mild steel of adequate thickness relative to door size and supplied with angles for fixing to the structure.

**Coil Casing**

A galvanised steel coil casing is supplied to maintain the fire seal at the head.

**Finish**Galvanised as standard. A factory finish is available of a white plastisol internal face (coil side) with the external face polyester powder coated to a standard RAL colour.

**Weight**

Varies with opening size dependent on lath / barrel / casing requirements but approximately 50 kgs per m².

**To specify please state:**

**Fire Shutter - Fireroll Acoustic E120 shall be by**

**Bolton Gate Company, Waterloo Street, Bolton BL1 2SP, UK**

**Tel: 01204 871001 E-mail:** **sales@boltongate.co.uk** **Web:** [**www.boltongate.co.uk**](http://www.boltongate.co.uk)

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