



Bolton Gate Company

FIRE SHUTTER - FIREROLL EW Radiant Heat and Fire Resisting Roller Shutter

Data Sheet ref. Fire 5

February 22



FIRE SHUTTER—FIREROLL EW SPECIFICATION SUMMARY

Bolton Gate Company's Fireroll Range of Fire Shutters is the most comprehensive available on the market. An important part of this range is the Fireroll EW which uniquely combines fire resistance with a high degree of heat radiation reduction.

Providing up to two hours of fire resistance the Fireroll EW insulated curtain also considerably reduces the risk of combustible materials igniting on the unexposed side when compared to standard single skin fire shutters.

When tested, the radiation transfer remained below 15kW/m² making this product ideal for protecting personnel passing the opening.

All Bolton Gate fire doors and shutters are tested and assessed by officially recognised, competent authorities.

Applications include:

Any application where fire compartmentation is required but ideally suited for openings where radiated heat is considered a factor i.e.:

Warehouses, Factories, Storage Facilities, Shopping Centres, Malls, Car Parks, Department Stores.

Performance Characteristics:

Resistance to Fire: EW90 or EW120 (Internal and external).

Fire: Tested to EN1634-1 all in accordance with EN13501- 2:2016, EN13241:2003 +A2:2016, EN16034:2014 EN15269-10

Key Attributes:

Fire rated and radiant heat reducing shutter.
Bespoke compact design.
CE Marked fire shutter.
Multiple applications.

THIS FIRE SHUTTER PRODUCT IS CE MARKED IN KEEPING WITH THE LATEST STANDARDS.



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Operation

All shutters are electrically operated by a 230-volt nominal single phase or 400-volt nominal three phase Speedsafe motor mounted on one endplate and have adjustable limit switches incorporated to stop the shutter at the end of each travel. A pull cord and hand chain are provided for use in the event of power failure.

Standard operation is via a low-level push button station with emergency stop button.

In a fire condition, gravity failsafe closing is activated by a 24-volt DC signal (0.37 amps) from the client's fire alarm panel to the auto reset solenoid which releases the motor brake and is backed up by a fusible link.

A safety brake is supplied to comply with the safeguarding requirements of EN 12604.

Curtain

Shutter curtains are constructed from 100mm high flat section continuously interlocked galvanised steel laths which are securely held in place by steel end locks. Each lath is infilled with fire resisting acoustic material.

Bottom Rail

The bottom rail comprises a standard lath fitted with a galvanised steel trim section.

Side Guides

Vertical guides are formed from galvanised steel double rebate channels and are supplied with suitable profiles for fixing to the structure.

Roller

The roller is constructed from seamless steel tube of adequate diameter to resist deflection and held in bearings or cups attached to the endplates

Endplates

Zinc plated mild steel of appropriate 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

Fireroll EW is supplied with most parts galvanised as standard. Where non-galvanised parts are utilised, these are finished with one coat of primer paint

Maximum Sizes

7000mm wide x 5000mm high
12000mm wide – height dependent (please contact our sales team to discuss)

Weight

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

Options

- Heat / smoke detectors.
- Audio visual warning.
- Factory finish comprising white plastisol to internal curtain face (coil side) with a polyester powder coat finish to external face from a range of standard RAL colours.
- Grade 304 or 316 stainless steel.

To specify this product please state:

Fire Shutter—Fireroll EW shall be by Bolton Gate Company Ltd, Waterloo Street, Bolton BL1 2SP, UK

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