

**B**olton Gate Company's Fireroll range of roller shutters is the most comprehensive available in the market. A further addition is the Fireroll EW Roller Shutter which combines fire resistance with a high degree of radiation reduction.

The shutter has been fire-tested to EN1634-1 in both orientations and when face-fixed is rated EW90 or EW120 dependant on openings sizes in accordance with EN13501, EN13241, EN16034 & EN15269.

The product is CE marked accordingly.

The curtain infill insulation considerably reduces the risk of combustible materials igniting on the unexposed side when compared to single skin fire shutters.

When tested, the radiation transfer remained below the pass /fail criterion of 15 kW/m<sup>2</sup> thus protecting people in the vicinity.

The product can be utilized in any application where fire compartmentation is required but is ideally suited to applications where radiated heat is considered an issue.

### STANDARD SPECIFICATION

#### **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/m<sup>2</sup>.

#### **OPTIONS**

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

