

DATA SHEET REFERENCE NO. 3-12

Bolton 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 EN 13501-2, EN15269-10 & EN 16034.

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/m² 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
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 and a steel bottom rail is fitted at the base.

Guides

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

Endplates

Zinc plated mild steel of appropriate thickness relative to door size and supplied with angles 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.

Casing

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

Finish

Generally galvanised with non-galvanised parts zinc plated or primed. Polyester powder coating to the external face / white plastisol to the internal face in a range of colours is available at extra cost.

OPERATION

All shutters are electrically operated by a 240-volt single or 400-volt 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 and a safety brake is fitted to satisfy the safeguarding requirements of EN 12604.

Standard low-level control is via a constant pressure push button station with emergency stop button fitted adjacent to the shutter.

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 our auto reset solenoid which releases the motor brake and is backed up by a fusible link.

WEIGHT

Dependent upon size and lath configuration but typically 50kgs/m².

OPTIONS

- Heat / smoke detectors
- Audio visual warning
- Polyester powder coating in a range of standard RAL colours.
- Grade 304 or 316 stainless steel.