



Bolton Gate Company

FIRE SHUTTER - FIREROLL VR60

One Hour Insulated Heat and Fire Resisting Roller Shutter

Data Sheet 3-7

November 22



FIRE SHUTTER—FIREROLL VR60 SPECIFICATION SUMMARY

Bolton Gate Company introduces the Fireroll VR60, a revolutionary EI rated product designed to provide both 60 minutes' fire protection and 60 minutes' heat insulation protection between individual compartments.

Up to the present time, the heat insulation requirement of a fire door was only met by unsightly hinged or sliding products with thick panels and the disadvantage of their associated space requirements. Due to the highly innovative and distinctly unique design of the Fireroll VR60, the product has all the advantages of a rolling fire shutter which can be stored above the false ceiling whilst at the same time meeting the challenging requirements of both integrity and insulation in line with the latest building regulations.

Applications include:

Any application where protected escape routes are considered a factor i.e.:

- Schools, Universities, Warehouses, Storage Facilities, Factories, Shopping Centres, Malls, Car Parks.

Performance Characteristics:

Resistance to Fire: E60 & EI(1)60

- Tested on both internal and external orientations.
- Face fixed arrangement.

Fire: Tested to EN1634-1 all in accordance with EN13241:2003+A2:2016 & EN 16034:2014

Key Attributes:

- EI60 Insulated fire rated shutter.
- CE Marked fire shutter.
- Space saving compared to alternative products.
- Aesthetic appearance.

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



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Operation

Under normal circumstances, the door is electrically operated using a 400-volt nominal three phase gear motor mounted at one end. In a fire condition, an auxiliary 24-volt DC motor ensures that the door closes even if the mains supply fails. A control panel is provided which has the facility to receive an incoming fire single. This panel also incorporates the batteries necessary to operate the auxiliary motor.

Open, close, stop push buttons are provided on the face of the control panel for standard operation.

Curtain

The curtain is constructed from 63 x 36mm laths comprising a synthetic material outer skin bonded to a special inner core consisting of high-performance insulation materials.

Stainless steel cables connect the laths together and are fastened to the roller at the head.

Bottom Rail

The bottom rail comprises a standard lath fitted with an extruded PVC bottom seal.

Side Guides

Manufactured from galvanised steel and formed into a channel profile which is prepared for bolting to the structure by means of continuous fixing angles.

Roller

The roller comprises a steel tube of adequate diameter and wall thickness to avoid deflection. Steel shafts and discs are inserted at each end and the whole assembly is supported on brackets at each end.

Endplates

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

Head

A combination of galvanised steel 'u' profile and MDF board with a special fire protection cover is fixed to the lintel into which the top of the door engages providing an effective seal against the passage of flames and hot gases.

Finish

The curtain is self-finished grey with the perimeter intumescent seal in black.

Weight

Varies with opening size but approximately 70kgs/m².

Maximum Sizes

6000mm wide x 5000mm high
(subject to a maximum of 22m²)

Options

- Polyester powder coated finish to a standard range of RAL colours to side guides only.

To specify this product please state:

Fire Shutter—Fireroll VR60 shall be by Bolton Gate Company Ltd, Waterloo Street, Bolton BL1 2SP, UK

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