BOLTON GATE Co

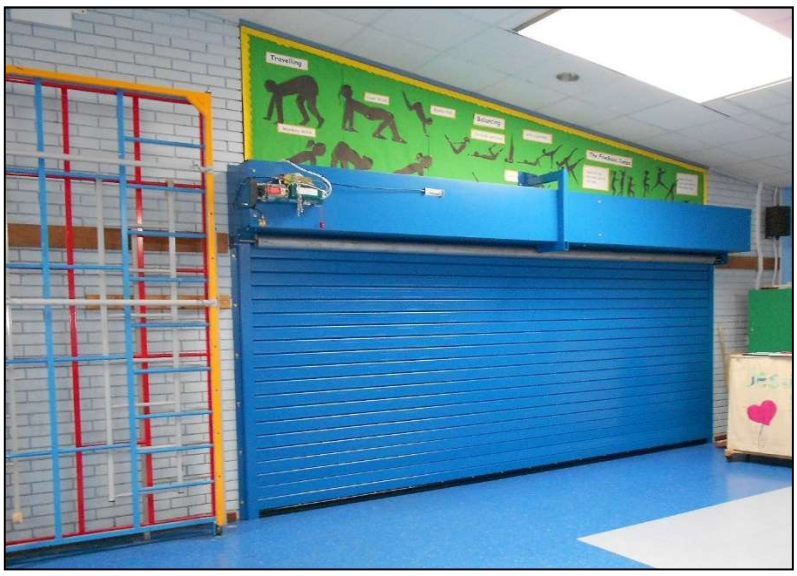
DATA SHEET 3-11

APRIL 2017

FIREROLL ACOUSTIC

Roller Shutters

Bolton Gate Fireroll range of roller shutters is the most comprehensive available in the market. A further addition is the Fireroll Acoustic Roller Shutter which combines fire resistance with a high degree of sound reduction.



In an extensive testing regime at the Department of Acoustics at Salford University and two Fire Test Laboratories, the door achieved a sound reduction of 25dB Rw and successfully met the requirements of BS 476 Part 22 and EN 1634-1, the latter with an integrity / radiation rating of EW120.

A special double curtain arrangement is also available which reduces sound transmission to 32dB.

Whilst the lath infill is primarily designed to reduce sound transmission, it also has heat radiation reducing qualities and considerably reduces the risk of combustible materials igniting on the unexposed side when compared to single skin fire shutters.

The product can be utilized in any application where fire and sound compartmentation are required but is ideally suited to school kitchens in multi function school halls where regulations dictate that a half or one hour fire resistance is necessary but where a sound break is also essential to avoid disruption from kitchen staff when assemblies or classes are taking place. Larger application include exhibition halls where its' incorporation allows sound and fire resistance at a fraction of the price of other door types such as movable walls

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 channels and are supplied with suitable angles for fixing to the structure.

Endplates

Prime painted mild steel of appropriate thickness relative to door size and supplied with angles for fixing to the structure.

Barrel

The barrel 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 prime painted.

Polyester powder coating to the external face / white plastisol to the internal face in a range of colours is available at extra cost.

Electrical Operation

All shutters are electrically operated and have adjustable limit switches incorporated to stop the shutter at the end of each travel. Smaller shutters (typically for servery counters) are supplied with a single phase tubular motor with larger units being driven by the highly reliable Speedsafe motor which allows gravity failsafe closure in fire conditions via a fusible link or auto reset solenoid or magnet. The largest shutters are supplied with a 3 phase geared motor which requires a maintained AC supply if the door is required to self-close.

Standard controls are open/close/stop buttons with other options available.

MAXIMUM SIZES

General assessment: 7 metres wide x 7 metres high
Individual assessment: 10 metres wide x 10 metres high

OPTIONS

- Keyswitches
- Fusible links
- Auto reset solenoids
- Auto reset magnets
- Polyester powder coated finish
- 32dB version
- Safety photocells

WEIGHT

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

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