

SONAROLL

Acoustic Roller Shutters

Bolton Gate Sonaroll Roller Shutters combine several features / benefits into one high quality attractive design. In addition to acting as a secure and weatherproof closure, the shutter offers a high degree of thermal and acoustic insulation.

Extensively tested at the Department of Acoustics at Salford University, the door achieved a sound reduction of 27dB Rw, a considerably higher value than other roller shutters on the market.

They are ideally suited to external openings where the acoustic envelope must be maintained such as power stations but are equally at home in internal applications where they act as a sound-break between two rooms e.g. exhibition halls, at a fraction of the price of other door types such as movable walls.

They are available in large sizes (doors up to 10 metres high have been supplied) and are even available in a 25 dB two hour fire rated version.

STANDARD SPECIFICATION

Curtain

Shutter curtains are constructed from 100mm high flat section continuously interlocked galvanised steel laths which are securely held in place by end locks. Each lath is infilled by high value acoustic material and bottom rails incorporate a rubber seal. In exposed external locations, windlocks can be fitted to prevent deflection out of the side guides.

Guides

Vertical guides are formed from rolled steel into a double rebate, are fitted with twin full-height brush seals 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.

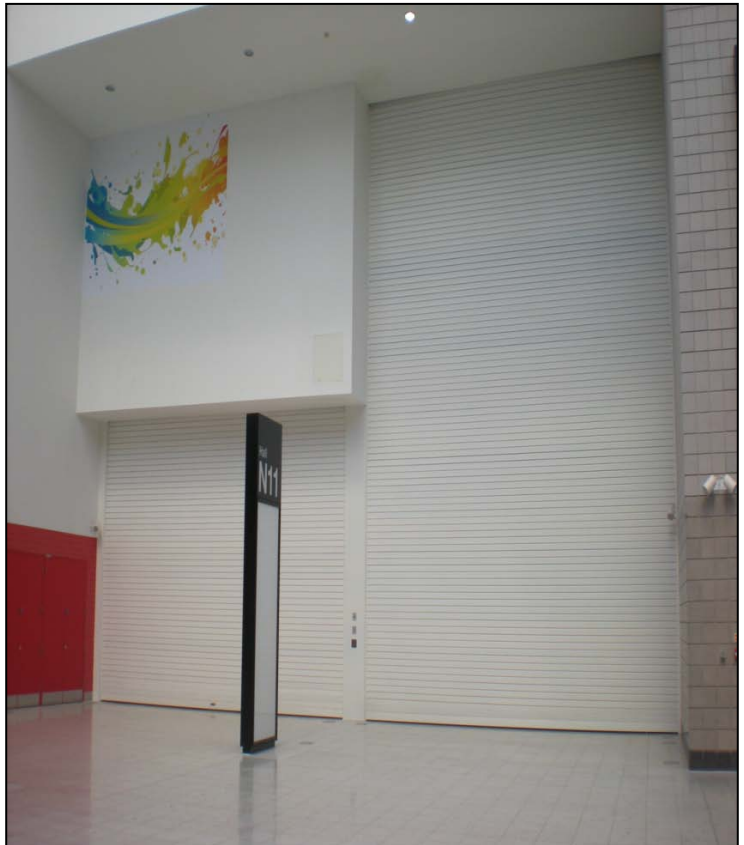
Finish

Generally galvanised with non-galvanised parts prime painted. Polyester powder coating and Colorcoat HP 200 in a range of colours is available at extra cost.

Electrical Operation

All shutters are operated by a 400 volt 3 phase geared motor mounted on one endplate. Adjustable limit switches are incorporated to stop the shutter at the end of each travel. A safety brake is incorporated in line with current Health and Safety legislation.

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



MAXIMUM SIZES

10 metres wide x 10 metres high

SPEED OF OPERATION

Approximately 150mm per second.

OPTIONS

- Keyswitches
- Radio control
- Loop detectors
- Photocells
- Timer closing
- Polyester powder coated finish
- Colorcoat HP 200 finish
- Hoods
- Fascias
- Double glazed vision panels

WEIGHT

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