

Bolton Gate Company's Sonaroll Acoustic Rated 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 maximum sound reduction of 25.2dB (at 2000Hz) with a 22dB RW, a considerably higher value than other roller shutters on the market.

A special double curtain arrangement is also available which reduces sound transmission further to a maximum of 39.1dB (at 2000Hz) with a 32dB RW.

Performance Characteristics:

Resistance to Wind Load – Class 5
Sound Reduction – 18dB Rw

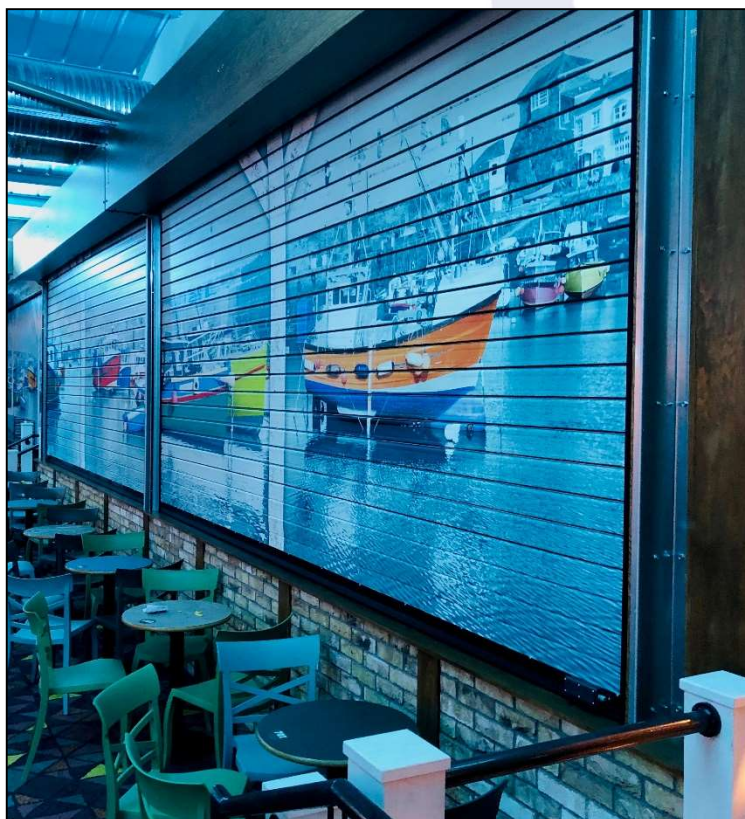
Accreditations:

BS EN ISO 10140-2:2010 – Measurements of Airborne Sound Insulation.

Applications Include:

Loading Bays; Factories; Boiler and Turbine Halls;
Recording and TV Studios.

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 such as exhibition halls, at a fraction of the price of other door types such as movable walls.



STANDARD SPECIFICATION

Operation

Electric operation is by a 400-volt nominal, 3 phase direct drive motor complete with integrated safety brake. Open / close / stop push button controls are incorporated within the low-level control panel. A manual disconnect mechanism and haul chain is provided for use in the event of power failure.

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

Finish

Supplied with most parts galvanised as standard. Where non-galvanised parts are utilised, these are finished with one coat of primer paint

MAXIMUM SIZES

10 metres wide x 10 metres high

WEIGHT

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

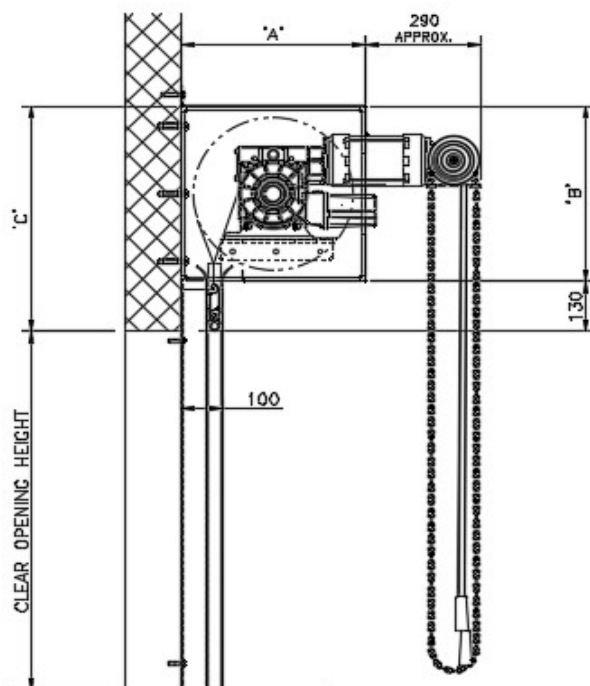
OPTIONS

- Keyswitches / Radio control
- Loop detectors
- Photocells
- Timer closing
- Polyester powder coated finish / Colorcoat HP 200 plastisol finish
- Double curtain arrangement with increased Rw

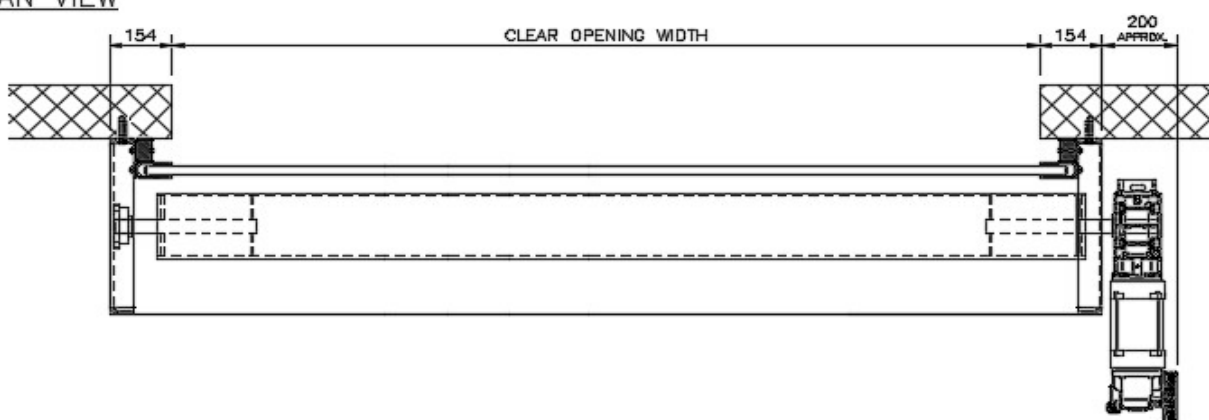
ACOUSTIC ROLLER SHUTTER - SONAROLL

Acoustic Rated Insulated Roller Shutter

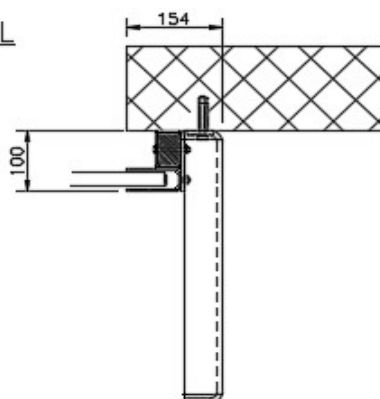
SECTION VIEW



PLAN VIEW



ENLARGED JAMB DETAIL



RANGE TABLE

CLEAR OPENING HEIGHT	MAXIMUM BOX SIZES		
	'A'	'B'	'C'
UP TO 2500	450	450	580
2501 TO 4000	500	550	680
4001 TO 5500	550	600	730
> 5501	AVAILABLE ON REQUEST		

ALL DIMENSIONS IN MM