

Bolton Gate Company are the market leader in vertical fire curtains, have now successfully conducted an onerous test at 6 metres x 3 metres on a fire curtain in the horizontal orientation to EN 1634-1 for two hours fire resistance.

Ideally suited to provide horizontal compartmentation between floors, the Fibreroll curtain protects openings such as lightwells in schools, hospitals and commercial buildings. The small box and compact side guides minimise spatial requirements particularly compared to steel options and the combination of motor, sprung cables and UPS ensure closure in all conditions.

STANDARD SPECIFICATION

Fire resistance

Tested to EN 1634-1 and approved for two hours fire resistance (E120 rating), in accordance with EN13501-2.

Curtain

Specially reinforced and coated grey fibre-glass material approximately 0.7mm thick and weighing 650 gms per m² which withstands temperatures of more than 1000 degrees C. The curtain is fitted with bobbins which engage on a rebate within the side guide to avoid deflection. The material is attached to the roller at one end and to a slimline steel leading edge.

Guides

The side guides are constructed from galvanised steel and prepared for fixing to the opening structure. The guide incorporates a rebate onto which the curtain bobbins engage in a pressurised fire situation thus preventing excessive deflection.

Casing

The casing is manufactured from galvanised steel and is 475mm wide x 300mm deep. It may be soffit or face fixed to the structure.

Endplates

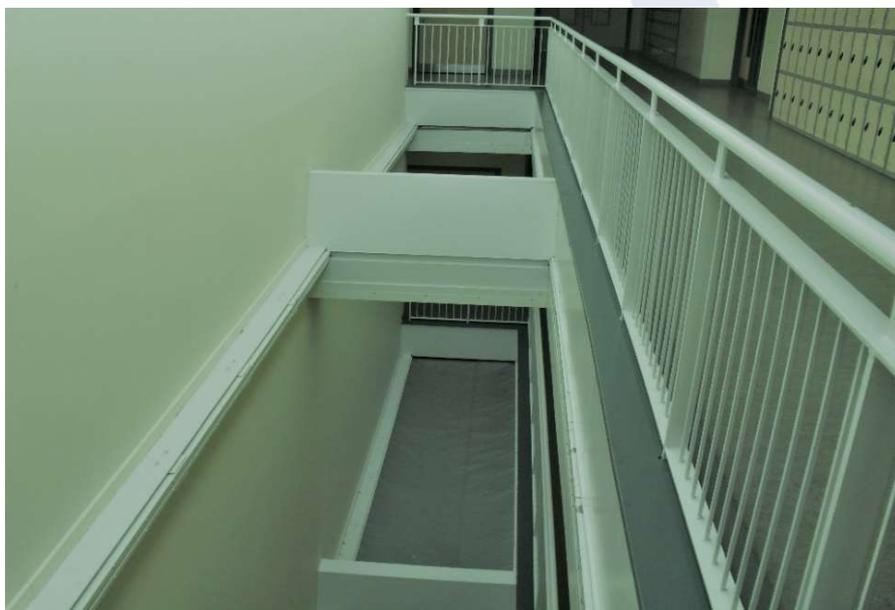
Fabricated from galvanised steel and supplied with angles for fixing to the structure.

Roller

The roller is manufactured from mild steel tube of sufficient diameter and wall thickness to resist deflection and is mounted in bearings on each end plate.

OPERATION

The curtains are electrically opened as standard using a 240-volt single phase Speedsafe motor which incorporates an electro-magnetic brake and adjustable limit switches.



Activation in a fire condition is via a normally closed volt-free contact from the client's fire alarm system following receipt of which, closure is effected by the motor / sprung cables. The system is backed by a UPS which, together with the control panel, is mounted within the spring box.

A push button station is fitted adjacent to the motor box and in the event of power failure, a sounder beacon activates for 60 seconds following which the curtain closes via the UPS battery back-up system.

The standard system is pre-wired in our factory to avoid the costs of site electricians and merely requires a 240-volt IEC socket within one metre of the motor position.

FINISH

The guides, bottom rail and casing are supplied galvanised as standard. They are also available in stainless steel or polyester powder coated in a range of standard RAL colours at extra cost.

MAXIMUM SIZES

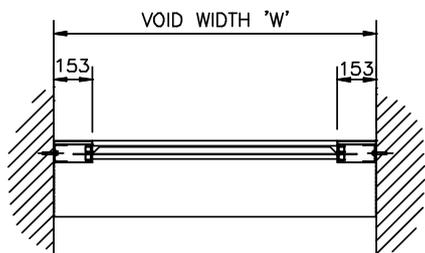
Available upon request

WEIGHT

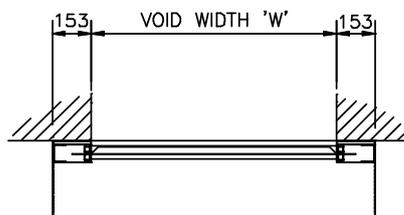
Approximately 30 kgs per linear metre of perimeter.

OPTIONS

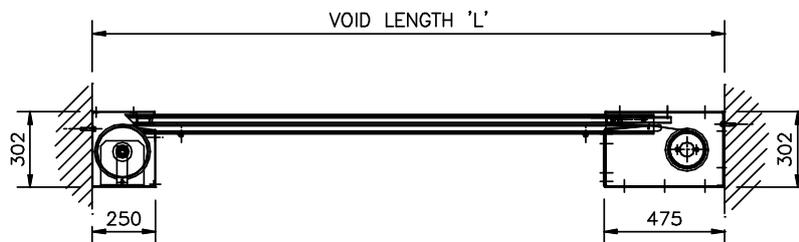
- Audible and / or visual alarms
- Various fixing arrangements
- Polyester powder coated finish



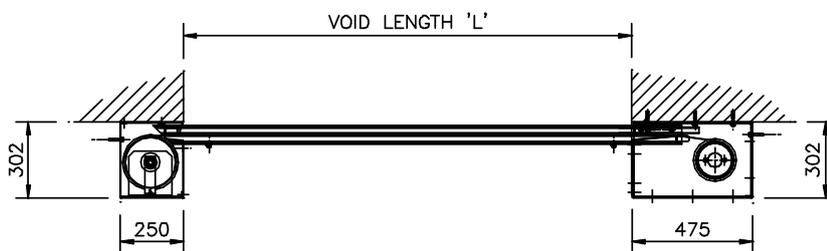
SECTION 'A-A'
FIX BETWEEN



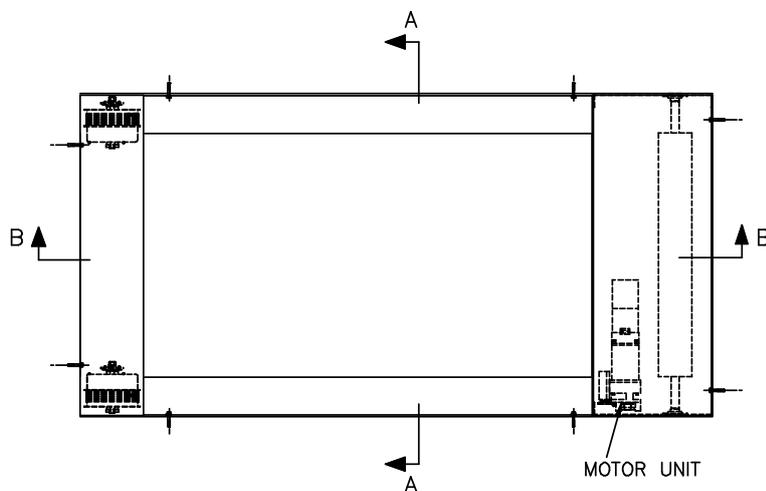
SECTION 'A-A'
SOFFIT FIX



SECTION 'B-B'
FIX BETWEEN



SECTION 'B-B'
SOFFIT FIX



PLAN ON VOID