Roller Shutter Specification
Electrically operated Roller Shutter Industrial applications

Applications
Suitable for warehouse distribution centres, loading bays, service yards, etc

Roller Curtain
75mm deep galvanised cold rolled sections are interlocked together to form the door curtain. The laths are concave in shape and are held together by pressed steel end-locks secured by steel rivets.
The gauge of the lath is determined by the size of the door and the installation location.

Bottom Rail Section
The bottom rail is normally a galvanised inverted T section. On larger applications a fabricated two piece bottom rail may be used.
In special circumstances a tapered bottom rail can be fabricated to suit sloping floors.

Side Guides and supporting angles
Guide sections are manufactured from 3mm purpose rolled section, with different depths dependant upon the width of the shutter. Guides are secured to mild steel angles, to allow fixture to client's structure. Wind-lock guide sections are provided where considered necessary.
We are also able to produce heavy duty specification fabricated guide arrangements, for larger openings.

Roller Shutter Barrel
The roller barrel is manufactured from mild steel circular hollow section, the barrel is driven by a direct drive motor with in built safety brake, to eliminate the need for counterbalance springs.
In some applications it may be necessary to use a separate safety brake, and motor with a drive chain, depending on side room constraints.

Electric Operation
The door is driven by a 3 phase direct drive motor (single phase option available) with a built in safety brake to prevent anti fall back of the shutter curtain in the event of a gearbox failure, the motor also features built in limit switches to allow automatic stopping of the door. The motor incorporates a floor level manual override facility as standard, for use in the event of a power failure; all doors are operated by panel mounted push button controls, which are mounted at low level to within 500mm of the opening on the motor side of the door at low level.
Our control panel also, as standard incorporates a cycle counter, service alert, and fault diagnostic display.

Electrical Wiring and supply requirements
Client would be required to provide a 3 phase 10 amps per phase and neutral supply, prior to our installation. Isolator will be provided by Blount.

Electrical Optional Extras
key switch to isolate control circuit (prevents use of panel mounted buttons)
Bottom Rail Safety edge (to provide stop and return facility on impact)
Infra red safety beam (to provide stop and return facility when obstructed)
Traffic lights or sirens
Induction loop controls for auto opening
Radio control
Access control solutions, Magnetic swipe cards, proximity readers

Finish
All mild steel parts are supplied with either a grey or a red oxide painted finish.
Door curtains are supplied galvanised unless otherwise agreed.

Plastisol Finish
A range of approximately 30 different colours are available for the outside of the door curtain with the inside in a grey primer (refer to colour chart section). The plastisol colours are designed to either match or contrast to the external building cladding sheets.

Powder Coat Finish
Powder coat finish is available in a wide range of colours and is applied to the complete door on both sides. Powder coat is a more durable and hard wearing finish and is ideally suited to roller shutters.

Product 0001 - 08

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