

PRODUCT SPECIFICATION – ‘SERIES 100’ LOW CYCLE STEEL ROLLER SHUTTER

PROPRIETARY SPECIFICATION

Series 100 Low Cycle steel roller shutter as manufactured by Mirage Doors

CURTAIN

The curtain slat shall be G2 Z275 galvabond steel.

The curtain shall be formed using 100 x 0.6mm, 100 x 0.8mm, 100 x 1.0mm or 100 x 1.2mm interlocking slats, in galvanised steel, roll formed in house at Mirage Doors. Slat thickness is dependent on the opening width (refer to manufacturer). The slats are retained in position using nylon end clips, fitted every second slat

SIZE

The maximum shutter size is 10000mm wide x 8000mm

DRUM

The drum shall be manufactured from steel tube and fitted with end caps. Helical coil oil tempered springs will be fitted to an axle inside the drum tube. Drum deflection shall not exceed 1/360th of the drum span.

GUIDES

Side guides shall be 75mm x 37mm roll formed steel channel as standard

- Guides can range from 75mm wide – 150mm wide to suit individual applications and windload specifications.

COMPLIANCE TO WINDLOAD SPECIFICATIONS

Roller shutters must comply with the following project criteria (note that wind rated roller shutters cannot be ventilated):

- Site address:
- Wind Region: Terrain Category:
- Regional Wind Speed VR: Internal pressure coefficient:
- Ultimate Limit State Pressure (P*) in positive & negative for each roller shutter:

BRACKETS

Mirage will provide a pair of mild steel brackets fitted to a suitably prepared opening provided by others.

BOTTOM RAIL

- An extruded aluminium T – section or L – section is standard for openings up to 8000mm wide;
- An optional steel box section is available, and is also used on all openings over 8000mm wide.
- Weather seals are an optional extra on all bottom rail types.

OPERATION

- Manual by hand (up to 6m² overall size - a pull hook is provided for high shutters);
- Chain operation (6.01 – 24.0m² overall size);
- Electric operation (low cycle applications only – not available in high cycle applications) via a 1 h.p. 3 phase motor / gearbox c/- limit switches and reversing contactor.

LOCKING

Sliding padbolts (inside OR outside) – padlock by others.

Manual locking is not advisable on motorised roller shutters

FINISH OPTIONS

- Matt natural anodised aluminium (standard)
- Dulux Duralloy or Interpon D1000 powdercoat finishes are suitable for S100 roller shutters.

SPECIAL NOTES

- The power supply required for the motor is either:
 - 3 phase 415v with neutral (10 amp), located within one metre of the motor;
 - Single phase hard wired (10 amp), located within one metre of the motor.
- Work by others:
 - Power supply provision if required;
 - Structurally adequate wall / mounting points to support the roller shutter;
 - Adequate headroom & sideroom as per Tech. Data sheets to ensure successful operation (note that Series 3 roller shutters cannot be side mounted);
- Product warranty – 12 months.

Mirage Doors has a continuous program of product development, and reserves the right to change specifications at any time without notice.