

## **PRODUCT SPECIFICATION – ‘SERIES 115’ LOW CYCLE STEEL ROLLER SHUTTER**

### **PROPRIETARY SPECIFICATION**

Series 115 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 115 x 0.6mm, 115 x 0.8mm or 115 x 1.0mm interlocking slats, in galvanised steel, roll formed in house at Mirage Doors. Slat thickness is dependent on the opening width (refer to manufacturer).

#### **SIZE**

The maximum shutter size is 6000mm wide x 6000mm

#### **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 1/360<sup>th</sup> of the drum span.

#### **GUIDES**

Side guides shall be 86mm x 37mm roll formed steel channel windlock guide as standard

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

#### **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.
- Weather seals are an optional extra on all bottom rail types.

### OPERATION

- Manual by hand (up to 6m<sup>2</sup> overall size - a pull hook is provided for high shutters);
- Chain operation (6.01 – 24.0m<sup>2</sup> 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.