

# 8A

## MANUALLY & ELECTRIC OPERATED STEEL ROLLER SHUTTERS

### Curtain

The curtain slat and guides are fabricated from galvabond steel, with galvanising to A.S. 1397 Material Code G2Z725 ( = 290 grams zinc / m<sup>2</sup> ).

Hot dipped galvanising is not available to the slats and guides – it is only suitable for brackets and drum tube. Further, it can only be applied to the drum tube if it is afterwards internally machined to eliminate dags and burrs.

If a powdercoat finish is required, the client is to confirm a colour selection only from the Dulux or Interpon standard polyester powdercoat range. Wet paint colour selections do not fall into this category.

( Dulux Duratec powdercoat warranties ( 10 years ) are only applicable when applied to aluminium surfaces. Pricing cannot be offered on Duratec finishes until quantities and colour selections are provided – Dulux often have minimum 250kg purchases applicable, which grossly exceeds our typical usage. We often seek the assistance of the particular project's window supplier to address our comparatively small powder supply requirements in this regard ).

Nylon end clips are fitted every alternate slat to reduce metal to metal contact; ensuring smooth, quiet operation.

Cast malleable iron or pressed metal windlock clips are available on every second or fourth slat for high wind or cyclonic areas (optional extra)

### Drum

The curtain of the Mirage Roller Shutters is supported by a robust steel tube forming a drum. The drum carries the balance springs, the shaft, the mild steel collars and bearing units inside. Its diameter and wall thickness is selected to give a high factor of safety and negligible deflection

### Wall brackets

These brackets support the drum-curtain assembly. They are attached to the inside wall of the building, providing bearing and capstan ends to suit the type and arrangement of the roller shutter door. The wall brackets carry the drive gears, and are protected by anti-corrosion coating.

The brackets can only be installed to a structural fixing surface such as concrete, core filled blockwork and structural steel columns. Metal stud partitions and Hebel blockwork are not suitable surfaces.

### NOTES:

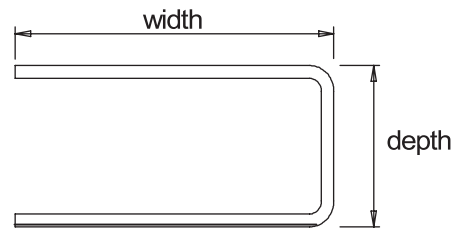
1. S100 roller shutters must be installed to structural supports i.e. core - filled masonry, structural steel or concrete. Timber, aluminium, or hollow metal stud walls are deemed inadequate;
2. Preparation of openings to suit the quoted products is by others;
3. The S100 roller shutter has a typical spring life of 80,000 cycles. In high cycle applications, the life span of the drum can be calculated. As a guideline, roller shutters exceeding 20,000 operations per annum should include a springless drum c/- brake motor;
4. The weight of a S100 roller shutter varies from 15kg to 25 kg / m<sup>2</sup>, subject to size;
5. For motorised shutters, provision of an appropriate power supply is by others.

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

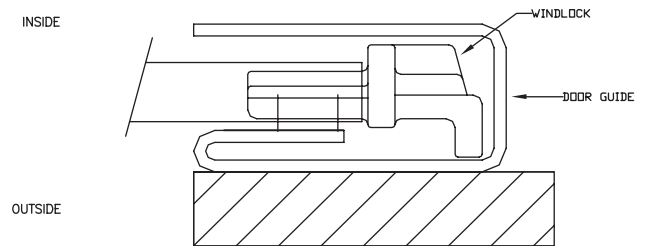
### Guides

Deep "U" section, heavy gauge (3.0 mm) steel is used. The guides are galvabond as described above. Standard guide sizes are:

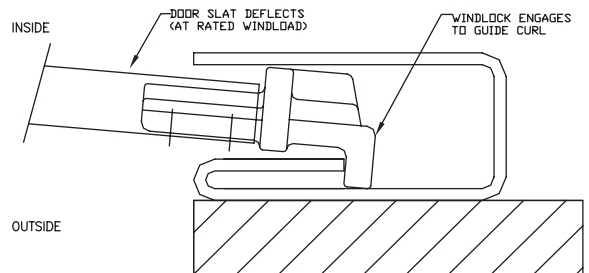
- 60mm guides: 60mm width x 37mm depth
- 100mm guides: 100mm width x 37mm depth
- 100mm windlock guides: 105mm width x 47mm depth



**Figure 1** GUIDE



A: WINDLOCK AT NORMAL POSITION



B: WINDLOCK AT RATED WINDLOAD

### Mullions

Removable centre guide posts are available on request as optional extras. Sliding mullions are also available – refer to the Brisbane sales office in each instance.