

## **Delta Guard 6000 Built On Security Shutters**

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#### **Product Description**

Our Delta Guard 6000 built on security window shutters have been developed to provide an architecturally acceptable answer to the growing need for vandalism and burglary protection on domestic and commercial property. The unobtrusive design also helps in meeting the demands of many of the more stringent planning authorities.

The uniquely neat finish of security window shutters is particularly evident when they are built on to an existing building, styled to minimise their visual impact. The slim-line finish even makes the internal fitting of window shutters a frequent choice. Our continuous programme of product development has produced a compact shutter of exceptional strength for large apertures.

Window shutters are easy to operate from inside, manually or electrically. Where desirable punched or perforated slats can be added to provide varying levels of vision and light.

Countrywide installations include windows and doors on city centre, suburban and rural homes, offices, factories, sports centres, computer rooms and golf clubs. In short, any building where security is a concern from the outset. Unlike many other designs the Delta Guard 6000 is manufactured from solid aluminium profiles double walled to provide higher security.

Overall minimum and maximum widths are; minimum width 900mm, maximum size 6000mm wide x 5000mm high, maximum area 20sqm, curtain weight is calculated at 9kg/sqm.

#### **Shutter box**

Die cast Aluminium End Plates with 2 piece Roll Formed Aluminium Casing. Larger sizes will be supplied with zinc plates, steel end plates.

#### **Guide Rail**

Extruded Aluminium with box section for fixing/reinforcement. High-density 6mm Pile Brush Seals, H 30 (60mm Guides) are standard. Other sizes are available upon request. Can be fitted with high security guide rails.



## **Shutter Slat- CD55**

Made from double walled extruded aluminium 55mm deep, this special design coils to a small box size but gives considerable strength through the double wall construction. Suitable when security is paramount.



### **Finish**

Standard colours for curtain slats. White RAL 9010, Brown RAL 8014 and Cream 1015.

Standard colour for bottom slats, box canopy and guides. White RAL 9010, Dark Brown BS 08 B29.

Other powder-coated colours are available on request.

### **Operation**

Single-phase 240v motors are required on larger shutter over 8sqm and are optional on smaller shutters. The tubular motor fits inside the axle and draws approximately 250 watts, 3 amps. Operation is by rocker switch, key switch or remote control. A manual override can be specified to operate from inside only. Multi shutter electric installations can be wired to operate from central or group switches, details available on request.

Other operators include manual spring up to 8sqm.

### **Security. (Manual Shutter Only)**

A spring loaded lock operates automatically when the shutter is fully lowered. Security angle on the cill for shutters to sit down behind is recommended on wide or vulnerable installations. Extruded slats must be specified for security.

### **Shading/Blackout**

The shutters can be stopped at any point to be used for shading. This is enhanced by the optional light slits on the foam filled slats. When the shutter is fully closed it is effectively a blackout blind.

### **Thermal Conductivity.**

The K value of a double glazed window fitted with an aluminium shutter is further improved by 35% from 1.8 to 2.6 w/m<sup>2</sup>K.

### **Maintenance**

Window shutters primarily require keeping clean, particularly on city centre or coastal installations.

Commercial installations should have a maintenance check every year. The guarantee period is 12 months.

We reserve the right to change the specification without prior notification or alteration of this product sheet.