

Delta Guard 3800 Built In Security Shutters

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Product Description

Our Delta Guard 3800 built in security window shutters have been developed to provide an architecturally compatible 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.

Built in shutters give all the benefits of easily operated security at night, but by day disappear leaving the building attractive and welcoming. Building the shutter box and guide rails into the wall during construction or major refurbishment achieves a neat finish and more importantly, high levels of security. Window shutters are easy to operate from inside, manually or electrically. Our continuous product development programme has produced a shutter of exceptional strength for small to medium sized openings.

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.

Overall minimum and maximum sizes are; minimum width 500mm, 3000mm wide x 5000mm high, maximum area 12sqm, curtain weight is calculated at 8kg/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.

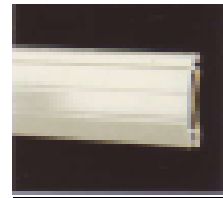
Guide Rail

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- CD 38

Made from double walled extruded aluminium, this special design coils to a small box size but gives considerable strength through the double wall construction. Suitable when security is paramount. The curtain can be mixed with vision sections of CD38 lath to give partial vision through the door when closed.



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 colours are available on request.

Operation

Single phase 240v motors are required on larger shutter over 7sqm 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 methods of operation are; manual spring assisted up to 7sqm, rod crank up to 3.5sqm, geared belt up to 3sqm and swivel belt up to 2sqm.

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/m²K.

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.