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Bi Fold Security Door Security Screens Technical Specifications

Technical description:

- The premium bi-fold security screen in this specification is appropriate for use in doors. The system comes in a slim and classic design with mitered corners together with the aluminum frame that is secured with stainless steel security head screws. Our bi-fold security screen door provides high security protection, filtering, reduction of harmful UV rays, clear views and ventilation, and all without compromising the style or appearance of your home.

Main Frame (sash):

- 73mm (w) x 50 (d) and is extruded from aluminum alloys 6063-T5 with 1.302 kg/M. The nominal wall thickness of the frame is 2mm and is mitered cut on the corners and fitted with the internal extruded solid aluminum corner stake with a dimension of 60mm (w) x 60 (h) x 16 (d).
- The mid rail or the horizontal frame is the middle of the screen and shall be extruded from aluminum alloys 6063-T5 with 1.484 kg/M. The nominal wall thickness of the mid rail is 1.5mm. The mid rail is secured to the main frame with the product fabrication detail provided as a fastener.

Mesh:

- 304 0.9mm wire diameter, high tensile stainless steel, with 10 strands per liner inch on the weft and warp of mesh. The woven wire cloth is manufactured according to ISO9044/ASTM E2016-06 standards. The open area space for the mesh is 41.6% (with minimum tensile strength (800 MPa)
- The mesh is powder coated to international standards (AS4506-2005 Metal Finishing for thermo set powder coating). These standards set out relevant test procedures and specify Performa Requirements for thermo-set powder coatings applied to metal substrates, with the exception of aluminum for architectural. Major applications specify for a stainless steel substrate with very high grade of industrial classification.
- The pre-treatment system incorporates process for the mesh, these process breaks into: Alkaline cleaning, Water Rinsing, Acid cleaning, Water Rinsing, Deionizer, Chromate, Drying and Coating.
- Independent salt-spray testing has exceeded 10,000 hours under laboratory conditions according to ASTM B117-2009

Locking system:

- 3 locking points, include a middle key lock and cylinder and two hook locks on either side.

Aluminum Extrusion:

- The extruded aluminum material is 6063-T5 which has high strength and corrosion resistance.
Sub Frame Material:

- The door frame is 68mm (w) x 58 (h) and is extruded from aluminum alloys 6063-T5 with 1.220 kg/M. The nominal wall thickness of main frame is 2mm. The roller frame is straight cut on the corners.

- The cover frame is 16mm (w) x 16mm (d) and is extruded from aluminum alloys 6063-T5 with 0.115 kg/M. The nominal wall thickness of the main frame is 2mm. The cover frame is straight cut on the corners.

- The top frame is 63mm (w) x 80mm (d) and is extruded from aluminum alloys 6063-T5 with 3.027 kg/M. The nominal wall thickness of the main frame is 2mm. The topframe is straight cut on the corners.

- The cover joint is 25mm (w) x 23 (d) and is extruded from aluminum alloys 6063-T5 with 0.2.41 kg/M. The nominal wall thickness of the main frame is 2mm. The cover joint is straight cut on the corners.