



Specifications Sovereign FG 900 Series Double Hung Tilt

Product Shall be Series 900 Double Hung/Tilt Window with a frame of 3 1/4" (82.5 mm) and in compliance with AAMA 1011.S2 and CAN/CSA-A440.1 and CSA A440.2 (AAMA 101-93) standards.

Material All frame and sash profiles are made from pultruded fiberglass, having a nominal wall thickness of 2.3 mm (0.090") with minimum glass content of 60%. Non-structural accessory members may be vinyl or aluminum and identified as such.

Construction Frame and sash corners are connected with molded reinforced polymer components and mechanically secured. Joints are factory sealed with silicone and neatly fitted together. Slider frame and sash is pressure equalized and drains to the exterior.

Finish All exposed surfaces are coated with durable, Isocyanate-free, 2-part Polymer enamel with a minimum dry film thickness of 1.5 mils with a medium gloss of 25 – 55. Finish shall resist chipping, blistering, chalking, discoloration and aging under normal atmospheric conditions. Standard colors are White and Commercial Brown, Optional colors include Sand, Ivory, Bronze, Forest Green; Custom colors such as Silver and Black also available.

Hardware Locks Two sets of die-cast cam locks with release latch and keepers. Two STH, Interlink, die-cast metal locks with release latch and keepers are available as an option. Two spiral sash balances for each sash (optional are stainless steel constant force balances), two pairs of tilt latch assemblies, two pairs of pivot bars, sash stoppers and lift handles (sash opening restrictors and night latch are optional extra). Hardware is installed with fasteners into patented back-up reinforcing clips.

Weather-stripping Frame and sash each have Schlegal "Fin-Seal" weatherstripping on the exterior; "Q-Lon" air-seal gasket on the interior; and meeting rail has a co-extruded PVC leaf-type weatherstrip to provide a positive air vapour seal.

Glass All windows are glazed with 20 mm (13/16") insulating glass units. Glass thickness shall be in accordance with applicable Building Codes, but not less than 3 mm (1/8"). DUXTON recommends the use of double sealed insulating glass units certified by IGMAC or SIGMA. The full range of glazing options are available including IG grilles, low conductivity spacers, inert gas fills and glazing to reduce heat loss, solar heat gain and visible/UV transmission.

Glazing Method Laid in glazing using polyethylene closed cell adhesive tape on the interior and a Fiberglass glass stop locked in from the exterior provides a secure and positive seal for the glass.

Insect Screens Full-height, roll-formed aluminum frame with friction fit corner keys. Screen mesh (Fiberglass or Aluminum) retained by vinyl spline.

Installation Shall be performed by experienced installers in accordance with manufacturer's instructions and CSA-A44.4. Window shall be plumb and square after installation is complete and sealed to both interior and exterior walls with a high quality sealant around the perimeter of the frame. If perimeter cavity is to be foamed, additional anchorage may be required to prevent bowing. It shall be the responsibility of the installers to make all necessary final adjustments to ensure normal and smooth operation.