



**SPECIFICATIONS**  
**Series 700**  
**Inswing Hopper / Casement**

**Product** Shall be 700 Series [Fixed], [Inswing Casement or Inswing Hopper] Window Assemblies. Frames are 60mm (2-3/8”).

**Material** All frame and sash profiles are made from pultruded fiberglass, having a nominal wall thickness of 2.3mm (0.090”) with minimum glass content of 60%. Non-structural accessory members are permitted to 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.

**Hardware** Concealed Stainless Steel Hinges and metal-cam-locks with keepers. Hardware is installed through fiberglass substrate and into patented reinforcements. For windows greater than 1220mm (48”) in height, a compression interlock provides a positive seal.

**Weather-stripping** Santoprene Bulb-type air-seal gasket on interior with extruded flexible leaf-type Santoprene “rain screen” gasket on the exterior to provide weather barrier.

**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 fixed glazing using polyethylene closed cell tape on the exterior and [Aluminum] [PVC] glass stop locked-in from the interior provides a secure and positive seal for the glass.

**Insect Screens** Heavy duty, 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-A440.4. 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.