



Specifications 850 Series Single Hung Tilt

Product Shall be Series 850 Fiberglass, Single Hung Window Assemblies; Frames are 82.5mm (3-1/4") deep.

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.

Hardware Locks One or two sets of die-cast cam locks with release latch and keepers. 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, and integral lift pull or add-on lift handles. Sash opening restrictors are optional extra. Hardware is installed with fasteners into patented back-up reinforcing clips.

Weather-stripping Rain screen includes Q-Lon on the sash exterior and pile weather-strip at the mullion. Air barrier at the interior includes fin seal and fin type dust plugs, which ensure weather tightness.

Glass All windows are glazed with 22 mm (7/8") insulating glass units. (See Series 458 for 35 mm (1 3/8") glazing options). Glass thickness shall be in accordance with applicable Building Codes, but not less than 3 mm (1/8"). DUXTON recommends the use of 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 Roll-formed aluminum frame with friction fit corner keys. Screen mesh Fiberglass or Aluminum.

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.