

# STERGIS PVC Single Swing /Atrium / French Door System

Residential and Light Commercial Applications

## Architect's Specifications

**General:** Manufactured by *STERGIS* Windows and Doors, Attleboro, Massachusetts.

**Operation:** Door panels swing on Continuous Gear hinge rated for 1200 lbs. Full locking hardware consist of Brass multipoint lever handles and deadbolt pins engaging in the head and sill of the frame. A mortise type lock and deadbolt engage in the midrail keeper. Stationary panel meet the operable sash by means of an astrical or jamb connector. Doors can be fabricated in inswing and outswing styles.

**Materials:** Frame extrusion shall be 100% virgin uPVC. Jamb frame shall have seven tubular hollows and have a nominal wall thickness of .125.

**Frame Construction:** Corners shall be mitered and entirely welded at the head and sill with a low profile aluminum threshold at the sill. The frame is to be 4 9/16" flat frame with optional nailing fin / J channel. The frame is designed to receive a rolling screen on the exterior. All hardware is installed and adjustable. Replaceable compression Q-lon seals are used around the entire frame. Installation holes are drilled and countersunk and are supplied with smooth cover buttons.

**Panel Construction:** Panel profiles shall have mitered and fusion welded corners. Panel profiles shall have a nominal wall thickness of .125". Panel frame shall have four tubular hollows and shall be steel reinforced with an 0.060" thick 1 7/8" deep galvanized steel channels in the meeting rails and locking stiles. The panel shall have a removable interior snap-in glazing bead which will allow replacement of glass without taking the entire sash apart.

**Screen Construction( where available):** The door screen frame shall be of heavy tubular aluminum, reinforce at the corners with extruded corner keys for maximum strength. Insect screening shall be 18x16 non-glare charcoal finished, fiberglass mesh held in place with a corrugated vinyl screen spline.

**Available Finishes:** Shall be solid vinyl throughout in white and beige color. Three woodgrain laminate colors for the interior are available. The exterior is available in Bronze Laminate or any color paint.

**Glazing:** Insulating glass shall have an overall thickness of 1" and a minimum 3/4" air space inside dimension. Standard glass shall be 1/8" Clear Tempred. Dura Seal Warm Edge glass spacer will be used to form a continuous hermetic seal around the insulated unit to encapsulate the air space. All glass lites will be installed via **CBA and SIGMA standards** in accordance with ASTM E773 and E774. Methods to include proper drainage, oval staggered weep system, and setting blocks with appropriate blocking.

**Weatherstripping:** Weatherstripping on the main frame perimeter shall be Q-lon sealed Bulb seal.. All seals are replaceable and color matched.

**Hardware:** Included with the door shall be the following hardware: Fuhr Brass multipoint hardware with heavy-duty shoot bolts at the head and sill. Mortise type keylock and Lever latch activated hardware. Mechanical lock system is stainless components. Continuous Piano Hinge system in Anodized corrosion resistant finish.

**Options:** Three-lite and Quad units, colonial grid in all colors . Custom Sizes. . Glazing options: Low-E, Argon filled LowE, beveled glass, Blinds between the glass and Heat Mirror.

**Impact Testing:** Available on all Single Swing and Atrium Doors. French doors outswing only



