

# STERGIS - Vinyl Sliding Patio Door

Residential and Light Commercial Applications

## Architect's Specifications

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

**Operation:** Sash panel shall be reversible for left or right hand operation on stock size doors. Operating panel shall glide on tandem stainless steel TRUTH adjustable wheels. Wheels shall glide on a replaceable lexan monorail. Stationary panel shall be fixed at head and sill with interlock anchors. Panels shall have a positive interlock at the meeting rail when in the closed position.

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

**Frame Construction:** Corners shall be mitered and welded at the head with a low profile sloped sill fastened to the jamb. The frame is to be 4 9/16" with a drip edge/J channel. The frame is designed with a complete screen track on the exterior. The sill shall have 10 tubular hollows and a nominal wall thickness of .080". Dual weatherseals will be employed at every contact point with the sash. A vinyl cover shall be snapped onto the fixed jamb inside leg to give the jamb a finished appearance.

**Panel Construction:** Panel profiles shall have mitered and fusion welded corners. Panel profiles shall have a nominal wall thickness of .100". Panel frame shall have four tubular hollows and shall be reinforced with an 0.060" thick 1 7/8" deep galvanized steel channels in the meeting rails and locking stiles. All handle and locking hardware will be secured to the reinforcement. 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:** 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 or Beige.

**Glazing:** Insulating glass shall have an overall thickness of 3/4" and a minimum 1/2" air space inside dimension. Standard glass shall be single strength 2.5mm and double strength 3.0 domestic type B float glass. 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 silicone treated woolpile with a polypropylene fin in the center. Each sash meeting rail shall contain one course of fin-type weatherstripping and a positive interlock for a triple seal.

**Hardware:** Included with the door shall be the following hardware: heavy-duty wood interior/painted cast metal exterior handle, optional key set, and all the necessary screws for installation.

**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 Dual, Triple and Quad doors up to 143 1/2 x 79

VERTICAL SECTION

HORIZONTAL SECTION

