

STERGIS- Side Load- Impact PVC Single Hung

Architect's Specifications

General: Manufactured by Stergis Windows and Doors, Attleboro, Ma 02703 508.455.0661 www.stergis.com.

Operation: Lower sash shall be a side load design utilizing a Block and Tackle Balance to remain as placed during window operation. The top sash will be glazed into the main frame and have internal glazing access. Sash locks shall function to secure the opening and, through a cam-action mechanism, draw the interlocking meeting rails together for a tight seal. Window screens shall be of side load design and include provisions for spring loaded latches located at each end of the bottom rail.

Materials: All vinyl extrusions shall be rigid, 100% virgin uPVC. The jambs shall have a nominal wall thickness of .065" and shall include five tubular hollows for maximum strength and thermal efficiency. The sill shall have a nominal wall thickness of .065" and shall contain multiple hollows for strength.. Sash profiles shall have a nominal wall thickness of .065". The interlock meeting rail will be reinforced with tempered aluminum to which the locks are firmly secured. Sash lift rails shall be integral to the sash extrusion. Sash meeting rails shall include an integral leg, which shall provide positive meeting rail interlock in the assembled unit.

Frame Construction: Frame profile shall be designed to install as a new construction with nailing fin and J channel or as a replacement type with head and sill expanders as job conditions require. Overall frame depth shall be 2 3/4". Window main frame header will be miter cut and welded with a minimum melt off of 5mm. The sill will be compound cut and welded construction for positive seal and esthetics. Drain weeps under the screen track will provide a quicker drainage of the sloped sill without compromise to performance.

Sash Construction: Sash frame shall be miter cut and fusion welded at the corners Glazing shall be secured in place with a dual-durometer snap in a glazing bead along the exterior perimeter of sash. Widths shall have aluminum reinforcements at the meeting rails.

Available Finishes: Shall be solid vinyl throughout in white

Screen Construction: Half-screen standard. Frame shall be of hollow extruded design with a .055" wall thickness and the wire shall be Fiberglass mesh non-glare charcoal finished. Screen will remain in the lower sash position and is removed from the interior of the window.

Glazing: 3/4" overall laminated glass consisting of the following: One (1) exterior piece of 1/8" annealed glass / one (1) .285" aluminum reinforced butyl spacer system (as stated by manufacturer) / one (1) interior piece of 1/8" annealed glass/.090" Solutia laminate / one (1) interior piece of 1/8" annealed glass. Exterior glazed with an adhesive structural sealant Sikaflex-552 (as stated by the manufacturer) (refer to drawing # 142194DH_DP50). The glazing utilized an extruded vinyl snap-in glazing bead measuring .570" wide.

Weather-stripping: A minimum of two courses of solid barrier fin-type weatherstripping shall be applied at the crack perimeter (excluding sill) of the window. The bottom sash rail shall fit the sill so that two fin and one closed-cell bulb weatherseals engage completely. The interlock will consist of weatherseals attached to the full interlock from jamb to jamb

Options: Grids-- Standard, colonial, and diamond aluminum in-glass grids are available. Glazing--obscure, Low-E, Argon-filled Low-E, tinted, double strength, tempered, and Activ Glass are available. Field mullied units, stud pocket, transoms, and full screens are available. ". Frame is available with molded nailing fin, molded fin with J channel,. Flat casing, 2-1/2" Brickmold and 4" Exterior casing are available.

