

Specifications – Vinyl Windows

SECTION 08560 VINYL WINDOWS

PART 1 - GENERAL

1.01 Work Included

- A. Furnish and install vinyl windows complete with hardware and related components as shown on drawings and/or specified in this section.
- B. All windows shall be **Series 70** horizontal slider.
- C. Glass and Glazing: All windows shall be factory glazed.

1.02 Testing and Performance

- A. Air, water and structural test unit sizes and configurations shall be in general conformance to requirements set forth in ANSI/AAMA/NWWDA 101 I.S.2-97.
- B. Windows shall conform to HS-R20 (one lock)/R25 (two locks).
- C. NFRC Product Certification: must have a residential U value of not more than .52 with clear insulating glass and not more than .39 with Low-E insulating glass.

1.03 Quality Assurance

- A. Provide test reports from AAMA accredited laboratory certifying the performance as specified in 1.02.
- B. Test reports shall be accompanied by the window manufacturer's letter of certification stating that the tested window meets or exceeds the referenced criteria for the appropriate ANSI/AAMA 101-97 window type.
- C. NFRC Product Certification Authorization Report shall be available to certify U value.

1.04 Submittals

- A. Contractor shall submit section details, test reports and warranties as required.

1.05 Warranty

- A. The window manufacturer shall assume full responsibility and warrant for one (1) year (five [5] years for insulated glass seal only) the satisfactory performance of the factory fabricated window unit including sash operation, hardware and glazing as it relates to air, water and structural integrity.
- B. The foundation contractor shall be responsible for the anchorage, flashing and sealing of the window.

PART 2 - PRODUCTS

2.01 Materials

- A. Rigid PVC extrusions where used as a sash, frame or other structural member, shall comply with AAMA 303.
- B. Hardware
 - 1. Window sweep lock and keeper to be white

painted, zinc die cast metal.

- 2. Sash roller system shall consist of an injection molded nylon housing with two, one piece nylon rollers. Rollers shall ride on a raised vinyl track in the sill extrusion.

C. Weatherstrip

- 1. Horizontal slider shall be weather stripped with medium density polypropylene pile with mylar fin.
- D. Glass and Glazing

- 1. Glass shall be SSB (2mm) or DSB (3mm) clear or DSB Low-E as required.
- 2. Insulated glass shall have an "A" level rating with a five (5) year warranty against seal failure. Glass sealant shall be polysulfide. Glass unit overall thickness shall not be less than 5/8".

2.02 Fabrication

A. General

- 1. Vinyl frame and sash extrusions shall be mited and heat fused welded. Mechanical fastening of frame or sash corners shall be prohibited. All frame and sash corners shall be machine cleaned to present a neat appearance.
- 2. Depth of frame shall not be less than 2 3/4".

- 3. All vinyl frame and sash extrusions shall have a minimum wall thickness of not less than .065".

B. Screens

- 1. Frames shall be white painted, roll-form aluminum. Mesh shall be 18x16 fiberglass.
- 2. Totally concealed leaf springs shall secure the screen. Plungers, clips or screws retaining the screen shall not be visible from the exterior or interior. Two (2) nylon pulls per screen shall be provided to aid in screen removal and installation.
- 3. The screen shall be retained entirely within the 2 3/4" frame dimension and not protrude beyond the exterior of the window plane.

E. Glazing

- 1. All glass shall be exterior glazed and have a minimum glazing rabbet of 1/2". No inside glazed frame or sash shall be permitted.
- 2. All glass lites shall be glazed with a neutral cure liquid silicone back bedding compound.

PART 3 - EXECUTION

- 3.01** Plumb and align windows. Adequately anchor to concrete foundation to maintain position permanently when subjected to normal thermal and foundation movement and specified window loads.

- 3.02** Adjust windows for proper operation after installation.

- 3.03** Furnish and apply sealants as necessary to provide a weather tight installation at all joints and intersections of the window and concrete. Wipe off excess material and leave all exposed surfaces and joints clean and smooth.