

# West Window Company

## West Prime Thermal H C45 Specifications

**MANUFACTURER:** Manufacturer shall be West Window Corporation, located at 226 Industrial Park, Martinsville, Virginia. (P.O. Box 3071, Martinsville, VA 24115, phone 276-638-2394.)

**MATERIALS:** Frame and sash main members are made of T6063-T6 aluminum alloy extrusions with a poured in channel urethane thermal barrier, debridged to prevent temperature transfer through the extrusion. Typical extrusion wall thickness is .062 inches.

**CONSTRUCTION:** Frame components are assembled using double screw coped corner construction and are secured by #8 x 1" 410 stainless steel screws. Frame corner seams are sealed with a low modulus, non acetic silicone sealant. Frame depth is 3 1/4" with sill sloped to the outside for positive water drainage. Frames are available in new construction as well as replacement configurations.

Sash components are joined at the corner using double screw coped corner construction and are fastened with 410 hardness stainless steel screws set in extruded screw bosses.

**GLAZING:** Sashes are channel glazed using a flexible vinyl glazing gasket along the perimeter of a sealed insulating glass unit. Both sash may be re-glazed if necessary using existing sash rails.

Standard INSULATING GLASS UNITS have an overall thickness of 7/8" and consist of two lites of glass and one air space. The air space is created by a Warm-Edge TSS (Thermoset Spacer Technology) polymer spacer system. The edge seal consists of a uniform layer of hot melt butyl sealant. Insulating glass meets ASTM E773, ASTM E774, & ASTM E546. Glazing options consist of clear, low emissivity, tinted, obscure, and tempered glass, among others.

**SCREENS:** Screen frame is made of T6063-T6 aluminum alloy extrusions and employs mitered corner construction, fastened at the corner with self locking zinc die cast corner keys. Screen cloth is of aluminum wire mesh held firmly in place by a solid vinyl spline. Screen is removable to the outside and attaches securely to the window with tension springs and handle rail that engage an exterior extruded integral screen track on the frame.

**HARDWARE:** Window is equipped with zinc die cast cam locks and keepers. BALANCES are concealed, spiral silicon steel spring type with zinc cadmium plated rod and self-lubricating thermoplastic bearing for quiet, low friction operation. Both sashes tilt in and are removable via a locking tilt shoe located in each jamb track. Two stamped metal pivot bars located on the bottom of each sash couple the sash to the balance mechanism. TILT LATCHES allow both sashes to tilt in for cleaning and/or removal.

**WEATHERSEALS:** Two rows of center fin wool pile weather-stripping are used along the stiles of the sashes and along the meeting rail. One row of polypile weather-stripping is used on the bottom of the bottom sash along with one row of vinyl bulb seal at the frame sill.

**FINISHES:** All aluminum extrusions in master frame, sash, and screen are finish painted with an electrostatically applied enamel in a choice of three colors: White, Bronze, and Tan.

**INSTALLATION:** Installation of window shall be furnished by others and shall be done in a professional manner. Window shall be set plumb and square in opening with no twisting or distorting of the window, and shall be properly anchored. A non-hardening sealant compatible with aluminum shall be provided by the installer and applied by the installer in sufficient quantity to provide a watertight seal between the window and opening.

**OPERATION:** After installation, window shall operate smoothly with no binding of either sash. Both sashes shall tilt in easily for cleaning and/or removal. Sash locks shall positively engage

the lock keepers when in the closed and locked position.

**CERTIFICATION:** Window shall conform to AAMA/NWWDA 101/I.S.2-97 "Voluntary Specifications for Aluminum, Vinyl (PVC), and Wood Windows and Glass Doors" and meet all applicable criteria for H-C45 certified windows. Copies of certified test reports are available on request and may be obtained by writing West Window Corporation, P.O. Box 3071, Martinsville, VA 24115, or by calling (276) 638-2394.

**WARRANTY:** Window is covered by West Window Lifetime Limited Warranty. Details of the provisions of this warranty are available on request. West Window commenced operation in 1949.