

SPECIFICATIONS

Exterior Finish

All exterior surfaces completely covered with factory-applied latex primer.

Interior Finish

All interior surfaces are unfinished wood ready for paint, stain, or natural finish. Primed interior available.

Frame

Frame assembled from kiln dried softwoods at 6-12% moisture content and water repellent preservative treated in accordance with NWWDA I.S.4. Frame thickness 1 1/16" (17.5mm) at head and side jamb, and 1 7/32" (31mm) at sill. Standard jamb width is 4 9/16" (116mm) and may be extended for different wall depths. Frame features machine clamped assembly which insures accurate squaring of unit and frame corners are tightly secured with metal fasteners and adhesive. Finished frame has exterior casing, sill nosing, weatherstripping, hardware, and interior stops applied.

Sash

Sash is 1 7/16" (36.5mm) kiln dried softwood and treated with water repellent preservative. Stiles and rails are joined with slot and tenon corners secured with metal fasteners. Sash operate in a compressible ivory colored jamb liner that allows both top and bottom to tilt inside for easy cleaning and to be fully removed without the use of tools.

Glazing

3/4" (19mm) insulated glass is constructed of two lites of float glass hermetically sealed around a continuous roll formed "U" shaped open steel warm edge Intercept® spacer with a specially designed hot applied butyl sealant. The insulated glass sandwich features a 9/16" (14.3mm) captive air space with a continuous desiccant matrix applied to the spacer during the fabrication process. To provide and protect long-term structural integrity of this glazing system, a computer controlled application of durable clear silicone is used to bed both sides of the insulated glass into the sash. Insulated glass is manufactured to comply with performance requirements of IGCC (Level CBA), ASTM E773, and E774.

Intercept® is a PPG registered Process.

Glazing Options

Single pane, 3/4" insulated glass, 3/4" Low E argon filled insulated glass, environmentally tinted grey or bronze 3/4" insulated, or Low E glass, 3/4" tempered insulated or Low E, obscure insulated or Low E, and other insulated specialty glazings per specification (safety laminated, sound deadening). Simulated Divided Lite (SDL) also available with same glazing options, except obscure. SDL has primed wood muntin bars 7/8" (22mm) wide or 1 3/8" (34.9mm) wide applied to the exterior glass surface. Interior bars are unfinished clear wood applied to the interior surface. SDL features internal shadow bars to complement the aesthetics and give a true divided lite appearance.

Weatherstripping

Engineered system combines foam backed polyvinyl chloride ivory jamb liner with dual vinyl bulb weatherstripping at both head and sill. Checkrail features thermal plastic bulb weatherstrip and recessed cam action sash lock for secure closure. Rigid vinyl water stops at sill provide additional restraint against driving rain and water penetration.

Hardware

Sash operate by means of a dual block and tackle balance system with nylon roller pulleys and high tension coil springs. Balance system gauged to sash weight and uses pre-stretched dacron cords attached to clutch mechanisms to insure smooth, trouble free operation and compliance with operating force requirements. Recessed cam action sashlock is available in brown, white, sandstone, and bright brass.

Exterior Insect Screens

Charcoal fiberglass screen cloth (18 x 16 mesh) with white, brown, sandstone, or green aluminum frame (.019ga.) Screen frame installed in edge rabbet on exterior casing and secured with spring loaded plungers at the top and sides of screen. Insect screens are intended to allow air and light in and to keep insects out. They are not intended to stop anyone or anything from falling through an open window. For safety screens or other security devices contact your local building supply retailer.

Removable Wood Grilles

Rectangular unfinished wood grilles 7/8" (22mm) wide x 3/8" (9.5mm) thick end coped to meet profiled sash edge. Colonial lite patterns are standard with custom lite cuts available. Grilles may be specified as full surround or K.D.

Airspace Grilles

Airspace grilles 5/8" (15.9mm) wide x 3/16" (4.8mm) thick mounted between the glass and available in White, Brown, Sandstone and Hartford Green. Grilles are suspended in the air cavity and do not contact the glass surface.

Exterior Casing

1 3/32" (27.8mm) x 2" (50.8mm) Brickmould with 1 1/16" (27mm) x 1 3/4" (44.4mm) sill nosing is standard. Flat casing is available as 1 3/32" x 2", 1 3/32" x 3 1/2" (89mm) and 1 3/32" x 5 1/2" (139.7mm). Adams (3 1/2"), RB-3 (3 1/2") and Williamsburg (3 1/4") profiled casings are also available (see "Accessories" section).

Combination Storm/Screen

Combination storm and screen unit is extruded aluminum with twin storm panels fit in a double track that allows operation of bottom glass panel for ventilation through screen. Aluminum frame storm panel and screen are removable from inside for easy cleaning.

Jamb Extensions

Jamb extensions are factory-applied to all 4 sides of the frame using 1 1/16" (17.5mm) thick, ponderosa pine to accommodate wall depths up to 7 1/16" (1 piece), and 8 9/16" (2 piece).

Installation

Double Hung is installed by nailing through exterior casing, through sheathing, and into wall framing. Window unit must be square, plumb, and level in the opening. Recommended fasteners are 16d galvanized finish nails (or equivalent) spaced 6" from each corner and every 12" along vertical and horizontal axis. Masonry clips are available where necessary.

Performance

NWWDA Industry Standard I.S. 2-87; Grade 40 (Grade Rating obtained by independent test laboratory)

NWWDA Industry Standard I. S. 2-93; DP-30 (Grade Rating obtained by independent test laboratory)

NWWDA Hallmark Certified (This designation certifies by independent inspection that the production units built by Norco Windows conform to the same specifications as the window units submitted to independent testing for the grade ratings listed above).

NFRC Certified (This designation means that Norco Window and Door products have been tested to NFRC energy performance standards. The NFRC label displaying these test results can be specified).