



Eclipse Series

EC300

Aluminum Clad Wood • For Remodeling And New Construction • Window

PRODUCT SPECIFICATIONS

FRAME

- All exterior parts are of .050" maintenance-free extruded aluminum and mitered corners are tightly joined with screws and corner keys.
- Head and jamb wood parts are fitted to the extruded aluminum and are of kiln dried ponderosa pine, treated with a water repellent preservative. Optional species available are mahogany, oak and cherry.
- Head and jamb wood joints are tenoned, glued and nailed.
- Frame thickness: 1 1/16" at jamb and head.
- Standard jamb depth: 4 9/16" from snap-in nail flange slot; 5 7/16" overall from outside of aluminum to inside of wood.
- A thermally broken tri-plex sill system of wood, extruded aluminum and vinyl is mechanically fastened, gasket and silicone sealed to the jamb.
- Available with optional 3/8" foam wrap for air tight installation.

SASH

- All exterior surfaces are covered with .019" thick roll formed aluminum cladding.
- Sash wood parts are of kiln dried ponderosa pine, treated with a water repellent preservative. Optional species available are mahogany, oak and cherry.
- Sash wood joints are tenoned, glued and nailed from the interior.
- Silicone glazed from the interior for a positive water tight seal.
- Overall finish sash thickness: 1 7/16" (standard), optional 1 3/4" sash available.
- Sash profile widths are: stiles (1 3/4"), top rail (2 5/8"), meeting rails (1 7/16") and bottom rail (3 1/4"). Optional 4" bottom rail available.
- Unequal sash heights can be specified.
- Top and bottom operating sashes with locking pivot shoe tilt-in and can be removed for finishing or cleaning.

EXTERIOR FINISH

- For standard colors, the extruded aluminum frame is a one-coat spray applied PPG Polycron III finish, meeting the physical test requirements of AAMA 2603.
- Standard color options are: white, bronze, earthtone, beige, black and hunter green. Custom colors available.
- All custom colors meet the physical test requirements of AAMA 2605.

INTERIOR FINISH

- Standard in unfinished natural wood in specified species (pine (standard), mahogany, oak or cherry) which can be painted or stained.
- Available factory primed or prefinished white in pine (standard) or mahogany. Oak and cherry in unfinished natural wood only. Contact Trimline dealer for custom color details.
- Interior features a concealed jambliner giving the appearance of a traditional wood window.

HARDWARE

- Combination locking and tilting hardware system. Tilt feature is activated via an internal tie-bar mechanism concealed within the lower meeting rail eliminating the need for surface mounted tilt latches providing a cleaner, more traditional appearance.
- Dual locks standard on units under 28" wide; triple locks standard on units over 50" wide. Sash lifts standard at bottom rail.
- All hardware components are of zinc alloy in matching finish available in: beige, white, oil rubbed bronze and satin nickel.

BALANCE SYSTEM

- Concealed block and tackle system for smooth and effortless operation with locking cam action pivot shoes that never needs adjusting. AAMA 902-07 tested for over 28,000 cycles without failure.

WEATHERSTRIPPING

- Head, meeting rails and bottom rail are weather sealed with Q-Lon® almond color compression seal foam; Fin-Seal® at the sill dam.
- Vertical stiles are sealed via Q-Lon® foam compression seal inserted into a flexible t-slot which is integral to the jambliner. Flexible T-slot assists the compression seal substantially in compensating for any "bowing" occurring during installation.

GLASS

- Standard clear 1 1/16" thick insulating glass, consisting of "double strength" 3 mm annealed glass, 7/16" air space using Tremco's EnerEDGE® warm-edge, dual-seal silicone foam spacer, hermetically sealed with hot melt butyl.

- All insulating glass units meet IGMA and NFRC 706 requirements for seal durability and gas retention per ASTM E2190, E2188-10 & E2189-10.
- Other glazing options Comfort E and Comfort E Plus Low E with argon gas, obscure, tempered, laminated, bronze or grey tint. Decorative glass also available.

INSECT SCREENS

- Standard full screen of .019" thick roll-formed aluminum.
- Optional half screen of .019" thick roll formed aluminum.
- Optional interior sliding half screen of .050" thick extruded aluminum. (Requires 4 7/8" jamb pocket.)
- Standard colors available: white, bronze, earthtone, beige, black and hunter green. Custom colors also available.
- Charcoal fiberglass screen cloth (18 x 16 mesh) standard; optional screen mesh available in charcoal or aluminum color wire or Better View™ high transparency screening in charcoal fiberglass cloth only.

GRILLES

- **Simulated Divided Lites (SDL)** of .050" thick extruded aluminum in a classic putty glazed 5/8", 7/8", 1", 1 1/4" or 1 1/2" muntin profile permanently applied to exterior of the insulated glass. Double faced tape is used to apply muntin to the glass which first is prepared with a saline type glass bonding and coupling agent before muntin is applied to help ensure lasting adhesion. An optional between the glass dark bronze shadow bar is available for an authentic true divided lite look. Interior wood in pine (standard), mahogany, oak or cherry matching the interior wood species in either permanent or removable style 5/8" or 7/8" wide divided lite patterns only. Removable style not available in 1", 1 1/4", 1 1/2" widths.
- **Removable wood grilles** available in 5/8" or 7/8" wide classic double stepped profile matching window interior wood species in pine (standard), mahogany, oak or cherry in a wide array of standard or custom divided lite patterns only.
- **In-glass aluminum "GBG"** (Grille Between the Glass) muntins are available in 5/8" flat profile or 7/8" sculptured profile in all standard exterior cladding color finishes for dust free easy cleaning. Available in either divided lite or diamond patterns.
- **Combo wood-aluminum:** 5/8" flat or 3/4" sculptured in-glass aluminum muntin with either permanently applied (see SDL) or removable wooden interior wood grille in pine (standard), mahogany, oak or cherry.

ACCESSORIES

- The following optional exterior .050" extruded aluminum panning and sill nosing are available: WP 908 (1 1/2"), Richmond (1 3/4"), Arlington (flat 2 1/8"), Cambridge (2 3/4"), Huntingdon (2 1/4") Kensington (2 3/4"), Meridian (3") and Lexington (2 3/4").
- A standard zero clearance mullion is used for factory mulling of windows without increasing the combined unit dimension of the windows mullied.
- Interior wooden mullion covers in pine (standard), mahogany, oak or cherry are provided loose.
- 1 1/16" interior wooden jamb extension in pine (standard), mahogany, oak or cherry are factory applied to the perimeter of the window and are available in custom sizes to provide an overall jamb depth up to 9".

WARRANTY

- Limited 10 year.
- 20 years non-prorated on insulating glass.
- Non-square, decorative/leaded glass 5 years.

PERFORMANCE

Thermal Ratings

Glazing	U-Value	R-Value	SHGC	VT	CRF
Comfort E	.29	3.45	.28	.50	57
Comfort E Plus	.26	3.85	.27	.49	47

Comfort E – 3mm RLE CS-36 (#2) / Clear / Argon

Comfort E Plus – 3 mm RLE CS-36 (#2) / CS-72 (#4) / Argon

SHGC = Solar Heat Gain Coefficient

VT = Visible Transmittance

Structural Ratings

Test Speciman	Air Infiltration	Performance Class-Grade
44.0" x 75.0" (1118 mm x 1905 mm)	.08 cfm/ft^2	LC-45

TEST STANDARDS

- NFRC certified: meets or exceeds rating and labeling requirements as per NFRC 100, 200 and 500 test procedures.
- AMMA/WDMA/CSA 101/I.S.2/A440-05
- ENERGY STAR® certified