

TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION WIN-1336

Effective November 1, 2010

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **April 2014**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Aluminum Clad Wood Lincoln Fit Casement Windows, Non-impact Resistant, manufactured by

Lincoln Wood Products, Inc.
1400 W. Taylor Street
Merrill, Wisconsin 54452
(715) 536-2461

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The aluminum clad casement window is a wood casement window. The aluminum clad wood casement windows evaluated in this report are individual, non-impact resistant, windows. This product evaluation report is for aluminum clad wood casement windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Aluminum Clad Wood Lincoln Fit Casement Window; (O)	C-C50 37 x 77

Product Dimensions:

System	Overall Size	Sash Size
1	37" x 77"	35" x 75"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The sash contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{5}{32}$ " annealed glass lites separated by a steel U-shaped spacer system. The glass thickness and type used in the insulating glass unit of tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is set from the interior against structural silicone backbedding. Wood glazing stops secure the insulating glass units in place from the interior. The wood glazing stops are secured to the frame with brads.

Frame Construction: The frame head, sill, and jambs consist of molded pine sections. The frame corners are rabbet joint construction, silicone sealed, and secured with screws. **Aluminum Cladding:** The exterior extruded aluminum cladding is miter cut, sealed, snap-fit to the wood frame members, and secured with a screw at the corners.

Sash Construction: The sash consists of molded pine members. The sash corners are mortise and tenon construction, silicone sealed, and secured with brads. **Aluminum Cladding:** The exterior extruded aluminum cladding is butt joined, sealed at the corners, snap-fit to the wood sash members, and secured through the glazing pocket with brads.

Hardware:

- Dual arm roto operator; One (1) required; Located on the frame sill, 6 inches from the jamb.
- Three point lock system; One (1) required; Located on the locking jamb/stile, 12 inches, 37 inches, and 62 inches from the frame head.
- 14" metal hinge w/track; Two (2) required; Located on the top and bottom of the sash rails/frame head and sill.
- 6" plastic snubber; Three (3) required; Located on the frame jamb, at 16 inches from each end and at the mid span.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**LN-1**); product name: **Clad Lincoln Fit Casement**; performance characteristics; the approved inspection agency (AAMA); and the applicable standard AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	37	77	± 50

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The window shall be fastened to minimum Southern Yellow Pine dimension lumber using the window frame. The window frame side jambs are secured to the wall framing with minimum No. 8 x 3" screws. The fasteners shall be located approximately 3 inches from each corner and at the mid span. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing members. The nailing flange is silicone sealed to the window frame.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.