

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / 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-649

Effective Date: February 1, 2013 (Revised June 1, 2014)
 Reevaluation Date: **October 2015**

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 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 Hybrid Double Hung Windows, Non-impact Resistant, manufactured by

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Aluminum Clad Wood Hybrid Double Hung Windows; (X/X); Standard Jambliner	R-PG50 37 x 77-H	± 50 psf
2	Aluminum Clad Wood Hybrid Double Hung Windows; (X/X); Standard Jambliner	LC-PG35 37 x 77-H	± 35 psf
3	Aluminum Clad Wood Hybrid Double Hung Windows; (X/X); Standard Jambliner	LC-PG35 45 x 65-H	± 35 psf
4	Aluminum Clad Wood Hybrid Double Hung Windows; (X/X); Standard Jambliner	LC-PG25 45 x 81-H	± 25 psf

Product Dimensions:

System	Overall Size	Exterior Sash Size	Interior Sash Size
1	37 ⁷ / ₈ " x 76 ¹ / ₂ "	33 ³ / ₄ " x 37 ¹ / ₂ "	34 ¹ / ₂ " x 37 ⁵ / ₈ "
2	37 ⁷ / ₈ " x 76 ¹ / ₂ "	33 ³ / ₄ " x 37 ¹ / ₂ "	34 ¹ / ₂ " x 37 ⁵ / ₈ "
3	45 ³ / ₈ " x 64 ¹ / ₂ "	41 ³ / ₄ " x 31 ¹ / ₂ "	42 ¹ / ₂ " x 31 ³ / ₄ "
4	45 ³ / ₈ " x 80 ¹ / ₂ "	41 ³ / ₄ " x 39 ³ / ₄ "	42 ¹ / ₂ " x 39 ⁷ / ₈ "

Product Identification (Certification Agency Label on Window):

System		
1, 2, 3, 4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad Hybrid Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S/A440-08

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System 1: The window shall be fastened to minimum Spruce-Pine-Fir dimension lumber using the brickmould at the head and side jambs of the window frame and with masonry clips along the side jambs of the window frame. The brickmould shall be secured to the wall framing along the head and side jambs with minimum No. 10 x 3" screws. The fasteners shall be spaced approximately 3 ½ inches from each corner and approximately 12 inches on center. Along each side jamb, masonry clips (1 ½" x 6 ½" x 0.05") are secured to the window frame with two No. 7 x ¾" screws per clip and are secured to the wall framing with two smooth shank nails (minimum 0.120" shank diameter, minimum 2" length). The masonry clips are required approximately 4 inches from each corner and one (1) at the mid span. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

System 2, 3, 4: The window shall be fastened to minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing using the brickmould at the head and side jambs of the window frame. The brickmould shall be secured to the wall framing with minimum No. 10 x 3" screws. The fasteners shall be spaced approximately 3 ½ inches from each corner and approximately 12 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

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.