TDI | Texas Department of Insurance

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Product Evaluation

WIN1968 | 0524

Engineering Services Program

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.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-1968

Effective Date: May 1, 2024
Re-evaluation Date: June 2025

Product Name: Clad Wood Hybrid Casement Windows, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clad Wood Hybrid Casement Windows	CW-PG50 (36 x 78)-C	+50 / -50 psf
2	Clad Wood Hybrid Casement Windows	R-PG50 (42 x 96)-C	+50 / -50 psf
3	Clad Wood Hybrid French Casement Windows	LC-PG25 (60 x 78)-C	+25 / -25 psf
4	Clad Wood Hybrid Casement Windows; Twin	LC-PG30 (72 x 78)-C	+30 / -30 psf
5	Clad Wood Hybrid Casement Windows; Twin	CW-PG50 (72 x 78)-C	+50 / -50 psf
6	Clad Wood Hybrid Casement Windows; Push-Out w/ Hinge Stop	R-PG40 (42 x 78)-C	+40 / -40 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
7	Clad Wood Hybrid Casement Windows; Push-Out w/ Hinge Stop	LC-PG50 (42 x 78)-C	+50 / -50 psf
8	Clad Wood Hybrid Casement Windows w/ Butt Hinges	CW-PG50 (42 x 96)-C	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size
1	36" x 78"	34-3/16" x 76-1/8"
2	42" x 96"	40-1/4" x 94-1/4"
3	60" x 78"	28-11/16" x 76-1/4"
4-5	72" x 78"	34-1/4" x 76-3/8"
6-7	42" x 78"	40-1/4" x 76-1/4"
8	42" x 96"	40-3/16" x 94-3/16"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad Hybrid Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad Hybrid French Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad Hybrid Twin Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad Hybrid Twin Casement w/ DP50 Upgrade
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6-7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad Hybrid Push-Out Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Label on Window):

System		
8	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad Hybrid Butt Hinge Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

Nail Fin Installation (System 1-3, 6-8):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using an applied vinyl nailing fin. The nailing fin is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" diameter shaft and a 0.39" head. Locate the nails approximately 7" from each corner and 7" on center along the perimeter. System 7 replaced the two lock keeper screws with longer minimum No. 6 x 2-1/2" PFH screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Brickmould Installation (System 4):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using brickmould. The brickmould is secured to the wall framing using minimum No. 6 x 2-1/2" screws spaced approximately 2"-3" from each corner and 6" on center along the head and side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Brickmould/Clip Installation (System 5):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using brickmould. The brickmould is secured to the wall framing using minimum No. 6 x 2-1/2" screws spaced approximately 2"-3" from each corner and 6" on center along the head and side jambs. 20-gauge x 1-1/2" wide x 11" high installation clips were secured to the side jambs spaced 4" from each corner and one at the mid-span, two clips were secured to the head and sill of the mull location spaced 4" each side of the mull seam. Secure the clips to the window frame using two minimum No. 8 x 1" PH screws and to the wall framing using two minimum 2-1/2" long common nails. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.