



Product Evaluation

WIN660 | 1116

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-660

Effective Date: November 1, 2016

Re-evaluation Date: May 2020

Product Name: Aluminum Clad Wood Double Hung 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	Aluminum Clad Wood Double Hung Windows	LC-PG35 45 x 65-H	+35 / -35 psf
2	Aluminum Clad Wood Double Hung Windows	LC-PG30 45 x 81-H	+30 / -30 psf
3	Aluminum Clad Wood Double Hung Windows	LC-PG35 37 x 77-H	+35 / -35 psf
4	Aluminum Clad Wood Double Hung Windows; Concealed Jamb Liner	LC-PG50 37 x 77-H	+50 / -50 psf
5	Aluminum Clad Wood Double Hung Windows; Wide Rails	LC-PG35 37 x 81-H	+35 / -35 psf
6	Aluminum Clad Wood Double Hung Windows; Wide Rails; PG50 Upgrade	LC-PG50 37 x 81-H	+50 / -50 psf
7	Aluminum Clad Wood Double Hung Windows; Wide Rails; Concealed Jamb Liners	LC-PG35 37 x 81-H	+35 / -35 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
8	Aluminum Clad Wood Double Hung Windows; Wide Rails; Concealed Jamb Liners; PG50 Upgrade	LC-PG50 37 x 81-H	+50 / -50 psf
9	Aluminum Clad Wood Double Hung Windows; Wide Rails	LC-PG30 45 x 93-H	+30 / -30 psf
10	Aluminum Clad Wood Double Hung Windows; Wide Rails; Concealed Jamb Liners	LC-PG30 45 x 93-H	+30 / -30 psf

Product Dimensions:

System	Overall Size	Exterior Sash Size	Interior Sash Size
1	45-3/8" x 64-1/2"	41-1/2" x 31-1/2"	42-1/2" x 31-5/8"
2	45-3/8" x 80-1/2"	42-1/2" x 39-1/2"	42-1/2" x 39-3/4"
3	37-3/8" x 76-1/2"	33-3/4" x 37-3/8"	34-1/2" x 37-3/8"
4	37-3/8" x 76-1/2"	33-3/4" x 37-3/8"	34-1/2" x 37-3/8"
5	37-3/8" x 80-1/2"	34-1/2" x 39-9/16"	34-1/2" x 39-11/16"
6	37-3/8" x 80-1/2"	34-1/2" x 39-9/16"	34-1/2" x 39-11/16"
7	37-3/8" x 80-1/2"	34-1/2" x 39-9/16"	34-1/2" x 39-11/16"
8	37-3/8" x 80-1/2"	34-1/2" x 39-9/16"	34-1/2" x 39-11/16"
9	45-3/8" x 92-1/2"	42-1/2" x 45-5/8"	42-1/2" x 39-13/16"
10	45-3/8" x 92-1/2"	42-1/2" x 45-5/8"	42-1/2" x 39-13/16"

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 Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
5, 6, 9	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad DH w/Standard Jambliners & Wide Rails
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
7, 8, 10	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	Clad DH w/Concealed Jambliners & Wide Rails
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-10	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

Systems 1, 2, 3, 5, 7, 9, and 10: Fasten the window to minimum Spruce-Pine-Fir dimension lumber using the nailing fin at the head, sill, and side jambs of the window frame. Secure the nailing fin to the wall framing with minimum 11-gauge (0.12") roofing nails (minimum 2" long smooth shank). Space the fasteners approximately 7" from each corner and approximately 7" on center. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing. The nailing fin is silicone sealed to the window frame.

System 4, 6, and 8: Fasten the window to minimum Spruce-Pine-Fir dimension lumber using the nailing fin at the head, sill, and side jambs of the window frame. Secure the nailing fin to the wall framing with minimum 11-gauge (0.12") roofing nails (minimum 2" long smooth shank). Space the fasteners approximately 6" to 8" from each corner and approximately 6" to 8" on center. In addition, masonry clips (galvanized steel, 20-gauge, 9" long x 1-1/2" wide) are required along the head and each frame jamb. The masonry clips are secured to the window frame with two; No. 7 x 1/4" Philips pan head screws and are secured to the wall framing with two; 8d smooth shank x 2-1/2" nails. Space the clips approximately 4" from each corner and one at the mid span of each side jamb. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing. The nailing fin is silicone sealed to the window frame.

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, IBC, and the Texas Revisions.