

Product Evaluation

WIN647 | 0920

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-647

Effective Date: September 1, 2020

Re-evaluation Date: December 2020

Product Name: WV Clad Wood Hybrid 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	WV Hybrid DH Windows w/ Narrow Rails & Concealed Jambliners	LC-PG25 (45 x 93)-H	+25 / -25 psf
2	WV Hybrid DH Windows w/ Narrow Rails & Concealed Jambliners	LC-PG35 (37 x 81)-H	+35 / -35 psf
3	WV Hybrid DH Windows w/ Narrow Rails & Concealed Jambliners	LC-PG50 (37 x 81)-H (REINF) (MODIF)	+50 / -50 psf
4	WV Hybrid DH Windows w/ Narrow Rails & Concealed Jambliners; TWIN	R-PG35 (75 x 81)-H	+35 / -35 psf
5	WV Hybrid DH Windows w/ Narrow Rails & Concealed Jambliners; TWIN	R-PG50 (75 x 81)-H	+50 / -50 psf
6	WV Hybrid DH Windows w/ Narrow Rails & Standard Jambliners	LC-PG25 (45 x 93)-H	+25 / -25 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
7	WV Hybrid DH Windows w/ Narrow Rails & Standard Jambliners	LC-PG35 (37 x 81)-H	+35 / -35 psf
8	WV Hybrid DH Windows w/ Narrow Rails & Standard Jambliners	LC-PG50 (37 x 81)-H (REINF) (MODIF)	+50 / -50 psf
9	WV Hybrid DH Windows w/ Narrow Rails & Standard Jambliners; TWIN	R-PG35 (75 x 81)-H	+35 / -35 psf
10	WV Hybrid DH Windows w/ Narrow Rails & Standard Jambliners; TWIN	R-PG50 (75 x 81)-H	+50 / -50 psf
11	WV Hybrid DH Windows w/ Wide Rails & Concealed Jambliners	LC-PG25 (45 x 93)-H	+25 / -25 psf
12	WV Hybrid DH Windows w/ Wide Rails & Concealed Jambliners	LC-PG35 (37 x 81)-H	+35 / -35 psf
13	WV Hybrid DH Windows w/ Wide Rails & Concealed Jambliners	LC-PG50 (37 x 81)-H (REINF) (MODIF)	+50 / -50 psf
14	WV Hybrid DH Windows w/ Wide Rails & Concealed Jambliners; TWIN	R-PG35 (75 x 81)-H	+35 / -35 psf
15	WV Hybrid DH Windows w/ Wide Rails & Concealed Jambliners; TWIN	R-PG50 (75 x 81)-H	+50 / -50 psf
16	WV Hybrid DH Windows w/ Wide Rails & Standard Jambliners	LC-PG25 (45 x 93)-H	+25 / -25 psf
17	WV Hybrid DH Windows w/ Wide Rails & Standard Jambliners	LC-PG35 (37 x 81)-H	+35 / -35 psf
18	WV Hybrid DH Windows w/ Wide Rails & Standard Jambliners	LC-PG50 (37 x 81)-H (REINF) (MODIF)	+50 / -50 psf
19	WV Hybrid DH Windows w/ Wide Rails & Standard Jambliners; TWIN	R-PG35 (75 x 81)-H	+35 / -35 psf
20	WV Hybrid DH Windows w/ Wide Rails & Standard Jambliners; TWIN	R-PG50 (75 x 81)-H	+50 / -50 psf

Product Dimensions:

System	Overall Size	Top Sash Size	Bottom Sash Size
1, 6, 11, 16	45-3/8" x 92-1/2"	42-1/2" x 45-5/8"	42-1/2" x 45-3/4"
2-3, 7-8, 12-13, 17-18	37-3/8" x 80-1/2"	34-1/2" x 39-1/16"	34-1/2" x 39-11/16"
4-5, 9-10, 14-15, 19-20	74-3/4" x 80-1/2"	34-1/2" x 39-1/16" (2)	34-1/2" x 39-11/16" (2)

Product Identification (Certification Label on Window):

System		
1-5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	WV Hybrid DH w/ Concealed Jambliner & Narrow Rails
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 450 (Systems 4-5)
6-10	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	WV Hybrid DH w/ Standard Jambliner & Narrow Rails
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 450 (Systems 9-10)
11-15	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	WV Hybrid DH w/ Concealed Jambliner & Wide Rails
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 450 (Systems 14-15)
16-20	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	WV Hybrid DH w/ Standard Jambliner & Wide Rails
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 450 (Systems 19-20)

Impact Resistance:

System	Impact Resistant	Requirement
1-20	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

Systems 1-2, 4, 6-7, 9, 11-12, 14, 16-17, 19: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using Cellular PVC brickmould at the head and side jambs. Secure the brickmould to the wall framing using No. 6 x 2-1/2" PFH screws spaced approximately 6" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Systems 3, 5, 8, 10, 13, 15 18, 20: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using Cellular PVC brickmould at the head and side jambs. Secure the brickmould to the wall framing using No.

6 x 2-1/2" PFH screws spaced approximately 6" on center. 20-gauge x 1-1/2" wide x 11" installation clips were used at the head and side jambs. Space the clips approximately 3" from each corner and one at the check rail location. Secure the clips to the window frame using two No. 7 SS PH screws and to the wall framing with two 2-1/2" long common wire 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.