TDI | Texas Department of Insurance

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Product Evaluation

WIN1814 | 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-1814

Effective Date: September 1, 2020
Re-evaluation Date: February 2023

Product Name: Heritage Wood Fixed Casement Windows, Non-Impact Resistant

Manufacturer: Kolbe & Kolbe Millwork Co., Inc.
1323 South Eleventh Avenue
Wausau, WI 54401
(715) 842-5666

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Heritage Wood Fixed Casement Windows; Sash Set	LC-PG65 (72 x 72)-FW	+65 / -75 psf
2	Heritage Wood Fixed Casement Windows; Direct Set	CW-PG75 (96 x 60)-FW	+75 / -75 psf
3	Heritage Wood Fixed Casement Windows; Sash Set	CW-PG65 (96 x 72)-FW	+65 / -65 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	72" x 72"	68-1/4" x 68-1/4"
2	96" x 60"	92-5/8" x 56-5/8"
3	96" x 72"	90-1/4" x 66-1/4"

Product Identification (Certification Label on Window):

System		
1, 3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Heritage Fixed Casement Sash Set
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Heritage Fixed Casement Direct Set
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11

Impact Resistance:

System	Impact Resistant	Requirement
1-3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System 1

Option #1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using Kolbe & Kolbe installation clips (20-gauge galvanized steel, 10-1/16" long, and 1-5/8" wide). Locate the clips approximately 10-5/8" from each corner and on center along the perimeter. Secure the clips to the window frame using two No. 8 PFH screws and to the wall framing using one No. 8 x 1-3/4" screw. The brickmould was secured to the wall framing using 2-1/2" zinc coated T-nails spaced approximately 8"-12" from each corner and on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option#2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using No. 10 x 2-1/2" PFH screws spaced approximately 9" from each corner and on center along the perimeter. The brickmould was secured to the wall framing using 2" zinc T-nails spaced approximately 24" from each corner and on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2

Option #1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using Kolbe & Kolbe installation clips (20-gauge galvanized steel, 10-1/16" long, and 1-5/8" wide). Locate the clips approximately 10-5/8" from each corner and on center along the head and sill, and 15" from each corner and on center along the side jambs. Secure the clips to the window frame using two No. 8 PFH screws and to the wall framing using one No. 8 x 1-3/4" screw. The brickmould was secured to the wall framing using 2" zinc T-nails spaced approximately 24" from each corner and on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2

Option #2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using No. 10 x 2-1/2" PFH screws spaced approximately 10" from each corner and on center along the side jambs, and 7-1/4" from each corner and on center along the head and sill. The brickmould was secured to the wall framing using 2" zinc T-nails spaced approximately 24" from each corner and on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 3

Option #1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using Kolbe & Kolbe installation clips (20-gauge galvanized steel, 10-1/16" long, and 1-5/8" wide). Locate the clips approximately 12" from each corner and on center along the perimeter. Secure the clips to the window frame using two No. 8 PFH screws and to the wall framing using one No. 8 x 1-3/4" screw. The brickmould was secured to the wall framing using 2-1/2" zinc coated T-nails spaced approximately 20"-30" from each corner and on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option#2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using No. 10 x 2-1/2" PFH screws spaced approximately 8" from each corner and on center along the head and sill, and 10.28" from each corner and on center along the side jambs. The brickmould was secured to the wall framing using 2" zinc T-nails spaced approximately 24" from each corner and on center. 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.