

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-426

Effective Date: July 1, 2011 (Revised July 1, 2013)
Reevaluation Date: **January 2014**

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.

Heritage Traditional Wood Fixed Casement Windows, Individual, Impact Resistant, manufactured by

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

General Description:

System	Description	Rating	Design Pressure Rating	Hallmark Certification
1	Heritage Fixed Casement; Sash Set; Impact Performance to Missile D, Wind Zone 4	FW-C65 96 x 60 CW-PG65 96x60 - FW	+65 / -70 psf	413-H-1083.00 413-H-1083.01 413-H-1083.02

Product Dimensions:

System	Overall Size	Sash Size	Glass Size
1	96" x 60"	94 $\frac{1}{16}$ " x 58 $\frac{1}{16}$ "	91 $\frac{1}{4}$ " x 55 $\frac{1}{4}$ "

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork, Co., Inc.
	Product Name	Heritage Fixed Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886; ASTM E 1996; Missile Level D; Wind Zone 4

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

Option 1 (Installation Clips): The window assembly shall be fastened to minimum Southern Yellow Pine lumber. The window assembly is secured to the wall framing using Kolbe & Kolbe metal installation clips. The installation clips (1 $\frac{5}{8}$ " x 6 $\frac{5}{16}$ " x 0.04") are secured to the window side jambs, head, and sill. The clips are secured to the window frame with two (2) No. 8 x $\frac{3}{4}$ " screws. The clips are secured to the wall framing with one (1) No. 8 x 1 $\frac{3}{4}$ " screw. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ " into the wall framing. The spacing of the clips is specified in the table below.

Installation Clip Spacing:

System	Distance From Each Corner	Head (on center spacing)	Sill (on center spacing)	Side Jambs (on center spacing)
1	Head/Sill: 12" Side Jambs: 15"	12"	12"	15"

Option 2 (Screws): The window assembly shall be fastened to minimum Southern Yellow Pine lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2 $\frac{1}{2}$ " screws. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ " into the wall framing. The spacing of the fasteners is specified in the table below.

Screw Spacing:

System	Distance From Each Corner	Head (on center spacing)	Sill (on center spacing)	Side Jambs (on center spacing)
1	Head/Sill: 9" Side Jambs: 12"	9"	9"	12"

Brickmould: The brickmould shall be secured to the wall framing with minimum 2 $\frac{1}{2}$ " long T-nails spaced approximately 12 inches on center along all four sides.

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.