

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-423

Effective Date: April 1, 2014
Reevaluation Date: **March 2017**

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 Wood Operating Casement Windows, Individual, Impact Resistant, manufactured by

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

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)	Hallmark Certification
1	Heritage Casement; Impact Resistance to Missile Level D, Wind Zone 4	CW-PG65 36x72-C	+65, -65	413-H-1244.00 413-H-1244.01 413-H-1244.02 413-H-1244.03 413-H-1244.04 413-H-1244.05 413-H-1244.06 413-H-1244.07

Product Dimensions:

System	Overall Size	Operable Sash Size
1	36.00" x 72.00"	34.06" x 70.06"

Product Identification (Certification Agency Label on Window):

System	Certification Agency	WDMA
1	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Heritage Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886, ASTM E 1996, Missile Level D

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 INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation drawings are available from the manufacturer.

Installation

Option 1 (Installation Clip): 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 (20 gauge x 10 $\frac{1}{16}$ " x 1 $\frac{5}{8}$ ") are secured to the window side jambs, head, and sill. The clips are secured to the window frame with two No. 8 x $\frac{3}{4}$ " screws. The clips are secured to the wall framing with one No. 8 x 1 $\frac{1}{4}$ " screw. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{4}$ " into the wall framing. The spacing of the clips is specified in the table below.

Installation Clip Spacing:

System	Distance From Each Corner Side Jambs	Distance From Each Corner Head and Sill	Head (on center spacing)	Sill (on center spacing)	Side Jambs (on center spacing)
1	14 $\frac{7}{16}$ "	18"	18"	18"	14 $\frac{7}{16}$ "

Option 2 (Frame Installation): The window assembly is secured to the wall framing using the frame of the window with minimum No. 10 x 2 $\frac{1}{2}$ " screws. All 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.

Fastener Spacing:

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

Brickmould (Systems 1-2): The brickmould shall be secured to the wall framing with minimum 2" long T-nails spaced approximately 24 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.