

Product Evaluation

WIN2445 | 0120

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-2445

Effective Date: January 1, 2020

Re-evaluation Date: January 2024

Product Name: Ultra/ Ultra EP Pushout Aluminum Clad Wood Casement Windows, Non-Impact Resistant

Manufacturer: Kolbe & Kolbe Millwork Co.
1323 South 11th Avenue
Wausau, WI 54401
(715) 842-5666

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ultra EP Pushout Casement Windows	CW-PG55 (36 x 72)-C	+55 / -55 psf
2	Ultra EP Pushout Casement Windows	CW-PG65 (36 x 72)-C	+65 / -70 psf
3	Ultra Pushout Casement Windows	CW-PG65 (36 x 90)-C	+65 / -65 psf

Product Dimensions:

System	Overall Size	Sash Size
1-2	36" x 72"	34-1/8" x 70-1/8"
3	36" x 90"	34-1/8" x 88-1/8"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Ultra EP Pushout Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,-11
3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Ultra Pushout Casement
	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:**Option 1 (System 1-2):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using installation clips. Clips must be minimum 10-1/16" long, 1-5/8" wide and made of 20-gauge galvanized steel. Secure the clips to the window framing using two minimum No. 8 x 3/4" PFH screws and to the wall framing using one minimum No. 8 x 1-3/4" PFH screw. Locate the clips approximately 14-1/2" from each corner and on center at the side jambs and 18" from the corner and on center at the head and sill. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option 2 (System 1-2):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" PFH screws spaced approximately 12" from each corner and on center along the perimeter of the window. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option 1 (System 3):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using installation clips. Clips must be minimum 10-1/16" long, 1-5/8" wide and made of 20-gauge galvanized steel. Secure the clips to the window framing using two minimum No. 8 x 3/4" PFH screws and to the wall framing using one minimum No. 8 x 1-3/4" PFH screw. Locate the clips approximately 15" from each corner and on center at the side jambs and 18" from the corner and on center at the head and sill. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option 2 (System 3):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" PFH screws spaced approximately 11-1/2" from each corner and on center along the side jambs and 12" from each corner and on center along the head and sill. The 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.