

## Product Evaluation

WIN2383 | 0619

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-2383

**Effective Date:** June 1, 2019

**Re-evaluation Date:** June 2023

**Product Name:** Ultra XL Wood Casement Windows, Impact Resistant

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

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ultra XL Wood Casement Windows	CW-PG65 42 x 96-C Missile Level D	+65 / -65 psf

### Product Dimensions:

System	Overall Size	Sash Size
1	42" x 96"	40.13" x 94"

**Product Identification (Certification Label on Window):**

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc
	Product Name	Ultra XL Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14 Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation (One of the Following):****Option 1:**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to wall framing using minimum No. 10 x 1-16" x 1-5/8" installation clips. Attach the clips to the window frame with two (2) minimum No. 8 x 3/4" PFH SMS and to the wall framing with one (1) minimum No. 8 x 1-3/4" PFH SMS. Locate the clips approximately 13.71" from each corner and one center at the side jambs and 21" at the head and sill. 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 Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" PFH screws. Locate the screws approximately 10.67" from each corner and on center at the side jambs and 14" from each corner and on center at the head and sill. 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, the IBC, and the Texas Revisions.