

## Product Evaluation

WIN1819 | 0323

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-1819

**Effective Date:** March 1, 2023

**Re-evaluation Date:** October 2026

**Product Name:** Ultra Sterling Aluminum Clad Wood Double Hung 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
2	Ultra Sterling Aluminum Clad Wood Double Hung Windows; IPD3	R-PG65 45.50 x 96-H Missile Level D	+65 / -65 psf
3	Ultra Sterling Aluminum Clad Wood Double Hung Windows; IPD4	LC-PG65 45.50 x 80.44-H Missile Level D	+65 / -70 psf

**Product Dimensions:**

System	Overall Size	Top Sash Size	Bottom Sash Size
1	45.50" x 96"	42.25" x 46"	42.25" x 47.75"
2	45.50" x 80.44"	42.19" x 38.25"	42.19" x 40.13"

**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 Sterling Double Hung, IPD3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17 ASTM E1886-13a/E1996-14 Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Ultra Sterling Double Hung; IPD4
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17 ASTM E1886-13a/E1996-17 Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1	Yes	These products have been tested for windborne debris resistance. They satisfy Missile Level D requirements specified in ASTM E 1996-14a.

**Installation:****Frame Installation (System 1):**

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 9-5/8" from each corner and on center along the side jambs and 13-1/2" from each corner and on center along the head. No screws are placed at the sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Frame Installation (System 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 8-15/16" from each corner and on center along the side jambs and 11-3/8" from each corner and on center along the head. No screws are placed at the 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 and the IBC.