

Product Evaluation

WIN2360 | 0419

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-2360

Effective Date: April 1, 2019

Re-evaluation Date: April 2023

Product Name: Forgent Composite Double Hung Windows, Impact Resistant

Manufacturer: Kolbe & Kolbe Millwork Co.
1211 Depot Street
Manawa, Wisconsin 54949
(920) 596-2501

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Forgent Composite Double Hung Windows	LC-PG55 (44 x 75)-H Missile Level D	+55 / -55 psf

Product Dimensions:

System	Overall Size	Top and Bottom Sash Size
1	44" x 75"	40.50" x 36.75"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Forgent Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-13a, ASTM E 1996-12 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):**Frame- Clip Installation:**

The wood wall framing members must be Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using installation clips. The clips must be made of galvanized steel and must be a minimum of 8" long, 1.625" wide, 0.063" thick. Clips must be attached to the window frame using one minimum No. 8 x 3/4" PPH screw and attached to the wall framing using one minimum No. 8 x 1-1/2" self-drilling SPH screw. Locate the clips approximately 6" from the corners and 12" on center at the head, sill, and side jambs. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation:

The wood wall framing members must be Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using minimum No. 8 x 2-1/2" PPH screws spaced approximately 6" from the corners and 12" on center at the head, sill, and side jambs. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin Installation:

The wood wall framing members must be Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using a nailing flange. The nailing flange is secured to the wall framing with minimum 11-gauge x 1-1/2" roofing nails spaced approximately 4" at 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.

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.