



Product Evaluation

WIN2099 | 0616

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-2099

Effective Date: June 1, 2016

Re-evaluation Date: February 2020

Product Name: Teutonic Vinyl Fixed Windows, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating	Hallmark Certification
1	Teutonic Vinyl Fixed Windows	CW-PG75 72 x 72-FW	± 75 psf	413-H-1032.00-.01
2	Teutonic Vinyl Fixed Windows	CW-PG70 60 x 99-FW	± 70 psf	413-H-1032.04-.05

Product Dimensions:

System	Overall Size	Operable Sash Size
1	72" x 72"	N/A
2	60" x 99"	N/A

Product Identification (Certification Agency Label on Window):

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Teutonic Fixed Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:**System 1 (Use One of the Following):**

Option 1: Use minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing using 16-gauge galvanized steel installation clips (1" x 5-7/8"). The installation clips are spaced 6" from each corner and 15" on center along the perimeter of the window. Each clip is hooked into the vinyl extruded frame and secured to the wall framing with one, No. 10 x 1-1/2" PPH screw. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Option 2: Use minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing using minimum No. 10 x 2" screws. The fasteners are driven through the reinforcement channel and vinyl frame and into the wall framing. The fasteners are spaced 6" from each corner and 15" 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.

System 2 (Use One of the Following):

Option 1: Use minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing using 16-gauge galvanized steel installation clips (1" x 5-7/8"). The installation clips are spaced 6" from each corner and 16" on center along the head and sill. The installation clips are spaced 4-1/2" from each corner and 15" on center along the side jambs. Each clip is hooked into the vinyl extruded frame and secured to the wall framing with one, No. 10 x 1-1/2" PPH screw. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Option 2: Use minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing using minimum No. 10 x 2" screws. The fasteners are driven through the reinforcement channel and vinyl frame and into the wall framing. The fasteners are spaced 6" from each corner and 16" on center along the head and sill. The fasteners are spaced 4-1/2" from each corner and 15" on center along the side jambs. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

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.