



Product Evaluation

WIN1161 | 0515

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-1161	Effective Date:	May 1, 2014
		Revised:	May 1, 2015
		Re-evaluation Date:	January 2016

Product Name: Series 400/475 Vinyl Tilt Single Hung Windows, New and Replacement Construction, Non-Impact Resistant

Manufacturer: Krestmark Windows
3950 Bastille Road, Suite 100
Dallas, TX 75212
(214) 237-5055

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 400/475 Vinyl Tilt Single Hung Windows; O/X	H-R50 36x84	+50 / -50 psf
2	Series 400/475 Vinyl Tilt Single Hung Windows; O/X	H-R50 48x72 (REINF)	+50 / -50 psf
3	Series 400/475 Vinyl Tilt Single Hung Windows; O/X.O/X	R-PG50 80x72-H (MULL)	+50 / -50 psf
4	Series 400/475 Vinyl Tilt Single Hung Windows; O/X.O/X	R-PG50 72x72-H (MULL)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operating Sash Size	Fixed Lite Daylight Opening Size
1	35-1/2" x 71-1/2"	33-1/2" x 41-1/4"	33-7/8" x 39-1/8"
2	47-1/2" x 71-1/2"	45-5/8" x 35-3/8"	44-7/8" x 33"

Product Dimensions (continued):

System	Overall Size	Operating Sash Size	Fixed Lite Daylight Opening Size
3	79-1/2" x 71-1/2"	38-1/2" x 35-3/8"	44-7/8" x 33"
4	71-1/2" x 71-1/2"	33-5/8" x 35-3/8"	33" x 33-1/8"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	400 / 475 TILT SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	400/475 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
3, 4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	400/475 TWIN TILT SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

Systems 1, 2, 4 (Fin): Use minimum Spruce-Pine-Fir dimension lumber wood wall-framing members. Set the window assembly in a bed of silicone. Secure the window to the wood wall framing members using the nail fin with minimum No. 8 Philips head pan head screws. Locate fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing members, approximately 2" from each corner and 12" on center along the perimeter of the window.

System 1 (Frame): Use minimum Spruce-Pine-Fir dimension lumber wood wall-framing members. Set the window assembly in a bed of silicone. Secure the window to the wood wall framing members using the window frame with minimum No. 8 Philips head pan head screws. Locate fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing members, approximately 5" from each corner and 20-1/2" on center along the head and each side jamb.

System 3 (Fin): Use minimum Spruce-Pine-Fir dimension lumber wood wall-framing members. Set the window assembly in a bed of silicone. Secure the window to the wood wall framing members using the nail fin with minimum No. 8 Philips Head pan head screws. Locate the fasteners approximately 2" from each corner and 12" on center along the perimeter of the window. Aluminum straps (4.255" x 1.25") are required at each end of the mull reinforcement. The strap is secured to the mull reinforcement with two No. 8 x 1-1/4" Philips head pan head screws. The straps are secured to the

wall framing with two No. 8 Philips head pan head screws. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, IBC, and the Texas Revisions.