

## Product Evaluation

WIN1161 | 1222

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:** December 1, 2022

**Re-evaluation Date:** December 2026

**Product Name:** Series 400/475 Vinyl Tilt Single Hung Windows, Fin and Frame Installation, 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; Fin Installed	R-PG50 (36 x 84)-H	+50 / -50 psf
2	Series 400/475 Vinyl Tilt Single Hung Windows; Fin/Frame Installed	R-PG50 (48 x 72)-H	+50 / -50 psf
3	Series 400/475 Vinyl Tilt Single Hung Windows; Frame Installed	R-PG50 (48 x 72)-H	+50 / -50 psf
4	Series 400/475 Vinyl Tilt TWIN Single Hung Windows; Fin Installed	R-PG50 (80 x 72)-H	+50 / -50 psf
5	Series 400/475 Vinyl Tilt TWIN Single Hung Windows; Fin Installed	R-PG50 (72 x 72)-H	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	35-7/8" x 83-7/8"	33-3/4" x 41-3/8"	33" x 39-3/16"
2-3	47-1/2" x 71-1/2"	45-9/16" x 35-5/16"	44-15/16" x 33-1/8"
4	79-1/2" x 71-1/2"	38-1/2" x 35-3/8" (2)	37" x 33-1/16" (2)
5	71-1/2" x 71-1/2"	33-5/8" x 35-3/8" (2)	33" x 33-1/8" (2)

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

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	400 TILT SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2	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/A440-08
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	420 Tilt SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4-5	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

**Compliance:** The products comply with AAMA/WDMA/CSA 101/I.S.2/A440-17 as referenced in the 2018 IRC and 2018 IBC.

**Impact Resistance:**

System	Impact Resistant	Requirement
1-5	No	These products have not been tested for windborne debris resistance. An impact protection system is required when installing this product in areas where windborne debris protection is required.

**Installation:**

**Systems 1-2, 5:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using the nail fin with minimum No. 8 PPH screws. Locate the screws approximately 2" from each corner and 12" on center along the

perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**System 3:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing with minimum No. 8 truss head screws. Locate the screws approximately 5" from each corner and approximately 20" on center along the head and each side jamb. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**System 4:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using the nail fin with minimum No. 8 PPH screws. Locate the screws approximately 2" from each corner and 12" on center along the perimeter of the window. Aluminum straps of 0.06" thickness (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" PPH screws and to the wall framing with two No. 8 Philips head pan head screws. 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.