

Product Evaluation

WIN1242 | 0123

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-1242

Effective Date: December 1, 2022

Re-evaluation Date: January 2025

Product Name: Series 4000/4750 Vinyl Tilt Single Hung Windows, Fin and Frame Installation, Impact Resistant

Manufacturer: Krestmark Ind. L.P.
3950 Bastille Road, Ste 100
Dallas, TX 75212
(214) 237-5075

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 4000 Vinyl Tilt Single Hung Windows	R-PG60 (36 x 72)-H Missile Level D	+60 / -60 psf
2	Series 4000/4750 Vinyl Tilt Single Hung Windows	R-PG50 (36 x 84)-H Missile Level D	+50 / -50 psf
3	Series 4000 Vinyl Tilt Single Hung Windows	R-PG55 (44 x 72)-H Missile Level D	+55 / -55 psf
4	Series 4000 Vinyl Tilt Single Hung Windows; Fin Installed	R-PG50 (48 x 72)-H Missile Level D	+50 / -50 psf
5	Series 4000 Vinyl Tilt Single Hung Windows; Frame Installed	R-PG50 (48 x 72)-H Missile Level D	+50 / -50 psf
6	Series 4000 Vinyl Tilt Single Hung Windows; Twin	R-PG50 (80 x 72)-H Missile Level D	+50 / -50 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
7	Series 4000 Vinyl Tilt Single Hung Windows; Twin w/ Transom	R-PG50 (72 x 108)-H Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	35-1/2" x 71-1/2"	33-1/2" x 35-7/16"	33" x 33-3/16"
2	35-1/2" x 83-1/2"	33-3/8" x 41-5/8"	33" x 39-3/16"
3	43-1/2" x 71-1/2"	41-1/2" x 35-3/8"	41" x 33-1/8"
4-5	47-1/2" x 71-1/2"	45-5/8" x 35-3/8"	44-7/8" x 33-1/8"
6	79-1/2" x 71-1/2"	37-5/8" x 35-3/8" (2)	37-1/8" x 33-3/16" (2)
7	71-1/2" x 107-5/8"	33-5/8" x 35-3/8" (2)	Single Hung: 32" x 33-1/8" (2) Transom: 69" x 33-5/8"

Product Identification (Certification Label on Window):

System		
1, 3-4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	4000 TILT SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	4000/4750 TILT SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D
5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	4000 SH FINLESS
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D
6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	4000 TWIN TILT SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D

Product Identification (Certification Label on Window) - continued:

System		
7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	4000 SH TWIN W/ TRANSOM
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D

Compliance: The products comply with AAMA/WDMA/CSA 101/I.S.2/A440-17, ASTM E 1886-13a, and ASTM E 1996-14a as referenced in the 2018 IRC and 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1-7	Yes	These products have been tested for windborne debris resistance. They satisfy Missile Level D requirements specified in ASTM E 1996-14a.

Installation:**Nail Fin Installation (System 1-4):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using minimum No. 8 screws. Locate the screws approximately 2" from each corner and 12" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 5):

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. 8 screws. Locate the screws approximately 2" from each corner and 12" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 6-7):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a frame nailing fin. The frame nailing fin is secured to the wall framing using minimum No. 8 screws spaced approximately 2" from each corner and 12" on center along the perimeter. Attach aluminum clips to the mullion ends with two minimum No. 8 screws and to the wall framing using minimum No. 8 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.