Product Evaluation

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: May 1, 2015
Revised: January 1, 2016
Re-evaluation Date: December 2017

Product Name: Series 4000/4750 Vinyl Tilt Single Hung Windows, New Construction, 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 4000/4750 Vinyl Tilt Single Hung Windows	H-R60 36x72 Missile Level D	+60 / -60 psf
2	Series 4000/4750 Vinyl Tilt Single Hung Windows	H-R50 80x72 (MULL) Missile Level D	+50 / -50 psf
3	Series 4000/4750 Vinyl Tilt Single Hung Windows	H-R50 36x84 Missile Level D	+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 35-7/16"	33" x 33-3/16"
2	79-1/2" x 71-1/2"	37-5/8" x 35-3/8"	37-1/8" x 33-3/16"
3	35-1/2" x 83-1/2"	30-3/8" x 38-1/4"	33" x 39-3/16"

Product Identification (Certification Agency Label on Window):

System		
1, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	4000 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA 506; Missile Level D
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	4000/4750 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA 506; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	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 assemblies' design pressure rating.

Installation:

Systems 1, 3: 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 2: 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 clips (4.255" x 1.250" x 0.060") are required at each end of the mull reinforcement. The clip is secured to the mull reinforcement with two No. 8 x 1-1/4" Philips head pan head screws. Secure the clips 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.