



Product Evaluation

WIN1640 | 0816

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-1640

Effective Date: July 1, 2016

Re-evaluation Date: January 2020

Product Name: Series 42-19 SafePoint Vinyl Casement Windows, Fin Installation, Impact Resistant

Manufacturer: Simonton Windows, Inc.
3948 Townsfair Way Suite 200
Columbus, Ohio 43219
(800) 426-2249

Marketed as: ProFinish Brickmould 600 Series with SafePoint Glass Package

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 42-19 SafePoint Vinyl Single Casement Windows (FIN); (X)	C-R50 36 x 62" Missile Level C	+50 / -50 psf
2	Series 42-19 SafePoint Vinyl Twin Casement Windows (FIN); (X/X)	R-PG45 73 x 72 C Missile Level C	+45 / -45 psf

Product Dimensions:

System	Overall Size	Operable Daylight Opening Size
1	36" x 62"	29-3/4" x 55-3/4"
2	72-1/2" x 72"	29-7/8" x 65-7/8"

Product Identification (Certification Label on Window):

System		
1, 2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	System 1: Series 42-19 CASEMENT System 2: Series 42-19 CASEMENT TWIN
	Test Standards	Sys.1: AAMA/WDMA/CSA 101/I.S.2/A440-05 Sys.2: AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-06; ASTM E 1886-05; ASTM E 1996-05; Missile Level C

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	Inland I Zone: Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I zone only. Install the assemblies at a height on the structure located in the Inland I zone that does not exceed the design pressure rating for the assemblies.
	Seaward Zone: No	Provide an impact protective system when installing the product in the Seaward zone.

Installation:

System		
1, 2 (FIN)	Type of Installation	Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	<ul style="list-style-type: none"> Nail Fin Perimeter: Minimum #6 x 1-5/8" steel fasteners Jamb Tie Bar Guides: Minimum #8 x 3" fasteners
	Fastener Location/Spacing	<ul style="list-style-type: none"> Drive #6 x 1-5/8" fasteners around the nail fin perimeter beginning at each corner and at 9" on center (maximum) thereafter. Drive one #8 x 3" fastener through the top hole of each tie bar guide.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

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