



Product Evaluation

WIN1192 | 1216

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-1192 **Effective Date:** December 1, 2016

Re-evaluation Date: June 2019

Product Name: Series 07-09 (Finless Mount) and Series 07-20 (Fin-Mounted) Vinyl Picture Windows, Impact Resistant

Manufacturer: Simonton Building Products, Inc.
3948 Townsfair Way Suite 200
Columbus, OH 43219
(800) 746-6687

Marketing Names: Stormbreaker Plus 300 VL
8000 Series
Grand Estates Coastal

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 07-09 Vinyl Picture Window; Unreinforced; Finless Mount; Impact-Resistant (O) Interior lite: 1/8" tempered glass sheet Exterior lite: 1/8" annealed glass sheet, 0.090" PVB, 1/8" annealed glass sheet	R-PG50 37 x 84-FW AAMA 506-06 Missile Level D	±50 psf
2	Series 07-09 Vinyl Picture Window; Unreinforced; Finless Mount; Impact-Resistant (O) Interior lite: 3/16" tempered glass sheet Exterior lite: 3/16" annealed glass sheet, 0.090" SGP, 3/16" annealed glass sheet	R-PG55 74 x 63-FW AAMA 506-06 Missile Level D	±55 psf
3	Series 07-20 Vinyl Picture Window; Unreinforced; Fin-Mounted; Impact-Resistant (O) Interior lite: 3/16" tempered glass sheet Exterior lite: 3/16" annealed glass sheet, 0.090" SGP, 3/16" annealed glass sheet	R-PG55 74 x 63-FW AAMA 506-06 Missile Level D	±55 psf

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	37" x 84"	31-1/8" x 78-1/4"
2	74" x 63"	68" x 57"
3	74" x 63"	68" x 57"

Product Identification (Certification Label on Window):

System		
1, 2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1, SIM-2
	Product Name	Series 07-09 PICTURE
	Test Standards	AAMA/WDMA/CSA 101/I.S. 2/A440-08/ AAMA 506-06 Missile Level D
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1, SIM-2
	Product Name	Series 07-09/07-20 STORM BREAKER PL PW
	Test Standards	AAMA/WDMA/CSA 101/I.S. 2/A440-08/ AAMA 506-06 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1 - 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 design pressure rating for the assemblies.

Installation:

System		
1	Type of Installation	Finless Mount – Wood Framing
	Wall Framing	Spruce-Pine-Fir
	Fasteners	#10 x 2-1/2" flat head steel screws (minimum)
	Fastener Location/Spacing	<u>Window head and sill</u> : Set three screws through the window frame member starting 6" from each corner, one at midpoint. <u>Window jambs</u> : Set seven screws through the window frame member, evenly spaced, starting 6" from each corner.
	Fastener Penetration	Minimum 1-1/2" into wood framing
2	Type of Installation	Finless Mount – Wood Framing
	Wall Framing	Spruce-Pine-Fir
	Fasteners	#10 x 2-1/2" flat head steel screws (minimum)
	Fastener Location/Spacing	<u>Window head and sill</u> : Set seven screws through the window frame member, evenly spaced starting 6" from each corner. <u>Window jambs</u> : Set six screws through the window frame member, evenly spaced, starting 6" from each corner.
	Fastener Penetration	Minimum 1-1/2" into wood framing

System		
3	Type of Installation	Fin Mount - New Construction - Wood Framing
	Wall Framing	Spruce-Pine-Fir
	Fasteners	#6 x 1-5/8" flat head steel screws (minimum)
	Fastener Location/Spacing	Set screws through the nail fin perimeter with one screw at each corner and evenly spaced at 9 inches maximum
	Fastener Penetration	Minimum 1-1/2" into wood framing

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