

Product Evaluation

WIN1021 | 0722

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-1021

Effective Date: July 1, 2022

Re-evaluation Date: April 2025

Product Name: Series 07-09 Vinyl Horizontal Slider Windows, Fin and Frame Installation, Impact Resistant

Manufacturer: Simonton Windows & Doors by Ply Gem
5020 Weston Pkwy
Suite 300
Cary, NC 27513
(800) 542-9118 ext. 413596

Marketing Names: Stormbreaker Plus 300VL
PerfeXion Impact
8000 Series

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Vinyl Horizontal Slider Windows; OX;	R-PG50 73 X 62-HS INS TEMP/LAM GL; Missile Level D	+50 / -50 psf
2	Vinyl Horizontal Slider Windows; XOX;	R-PG50 113 X 63-HS (LAM GL); Missile Level D	+50 / -50 psf
3	Vinyl Horizontal Slider Windows; XOX;	R-PG50 113 X 63-HS (INS TEMP/LAM GL); Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	73" x 62"	35-7/8" x 57-3/4"	31-15/16" x 53-7/8"
2	133" x 63"	Two: 37-1/16" x 58-3/4"	35-3/4" x 54-3/4"
3	133" x 63"	Two: 27-5/8" x 58-3/4"	54-3/8" x 54-3/4"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	Series 07-09 HS
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA 506-06 Missile Level D
2, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	Series 07-09 / 07-20 HS
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 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. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System 1 (Frame Installation): Fasten the assembly to minimum Spruce-Pine-Fir dimension lumber. Secure the assembly to the wall framing using the frame of the assembly with minimum No. 10 x 2" pan head screws. Along the head and sill interior frame track, locate fasteners approximately 6" from each corner and 6" on center. Along the head exterior frame sash, locate one fastener through each aluminum "L" bracket into the wall framing. Along each side jamb interior frame track, locate fasteners approximately 6" from each corner and 12" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall-framing members.

Systems 2 and 3 (One of the Following):

Frame Installation: Fasten the assembly to minimum Southern Yellow Pine dimension lumber. Secure the assembly to the wall framing using the frame of the assembly. Along the head and sill, use minimum No. 10 x 2" pan head screws. Locate fasteners approximately 6" from each corner and 3" on center. Along the head, use one No. 10 x 2-1/2" pan head screw through each aluminum

"L" bracket into the wall framing. Along each side jamb, use minimum No. 10 x 2" pan head screws. Locate fasteners approximately 6" from each corner. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall-framing members.

Fin Installation: Fasten the assembly to minimum Southern Yellow Pine dimension lumber. Secure the assembly to the wall framing using the nail fin of the assembly. Along the head, sill, and side jamb, use minimum No. 6" pan head screws. Locate fasteners approximately 4" from each corner and 9" on center. Along the head, use one No. 10 x 2-1/2" pan head screw through each aluminum "L" bracket into the wall framing. Use fasteners 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.