

## Product Evaluation

WIN832 | 0323

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-832

**Effective Date:** March 1, 2023

**Re-evaluation Date:** April 2024

**Product Name:** Series 43-06 Vinyl Single Hung Windows & Operating Arches, Fin and Frame Installation, Non-Impact Resistant

**Manufacturer:** Simonton Windows & Doors  
5020 Weston Pkwy, Ste. 300  
Cary, NC 27513  
(800) 542-9118 ext. 413596

**Marketed As:** ProFinish Builder  
ProFinish Contractor  
PerfeXion Builder  
PerfeXion Contractor  
6060 Series  
Operating Arches

**General Description:**

System	Description	Label Rating	Design Pressure Rating
1	Series 43-06 Vinyl Single Hung Windows; Fin Installed	R-PG50 (32 x 62)-H	+50 / -50 psf
2	Series 43-06 Vinyl Single Hung Windows	R-PG45 (36 x 63)-H	+45 / -45 psf

**General Description (continued):**

<b>System</b>	<b>Description</b>	<b>Label Rating</b>	<b>Design Pressure Rating</b>
3	Series 43-06 Vinyl Single Hung Windows; Frame Installed	R-PG50 (36 x 74)-H	+50 / -50 psf
4	Series 43-06 Vinyl Single Hung Windows; Fin Installed	R-PG50 (36 x 74)-H	+50 / -50 psf
5	Series 43-06 Vinyl Single Hung Windows; Frame Installed	R-PG50 (36 x 74)-H	+50 / -50 psf
6	Series 43-06 Vinyl Single Hung Windows; Fin & Frame Installed	R-PG50 (36 x 84)-H	+50 / -50 psf
7	Series 43-06 Vinyl Single Hung Windows; Frame Installed	R-PG50 (36 x 84)-H	+50 / -50 psf
8	Series 43-06 Vinyl Single Hung Windows; Fin and Frame Installed	R-PG40 (48 x 72)-H	+40 / -40 psf
9	Series 43-06 Vinyl Single Hung Windows; Frame Installed	R-PG40 (48 x 72)-H	+40 / -40 psf
10	Series 43-06 Vinyl Single Hung Windows; Fin Installed	R-PG35 (53 x 71)-H	+35 / -35 psf
11	Series 43-06 Vinyl Single Hung Windows; Frame Installed	R-PG35 (53 x 71)-H	+35 / -35 psf
12	Series 43-06 Vinyl Single Hung Windows; Fin Installed	LC-PG25 (48 x 80)-H	+25 / -25 psf
13	Series 43-06 Vinyl Single Hung Windows; Triple, Fin and Frame Installed	R-PG45 (109 x 72)-H	+45 / -45 psf
14	Series 43-06 Vinyl Single Hung Windows; Fin Installed	R-PG45 (44 x 63)-H	+45 / -45 psf

**Product Dimensions:**

<b>System</b>	<b>Overall Size</b>	<b>Operable Sash Size</b>	<b>Fixed Sash Daylight Opening Size</b>
1	32" x 62"	29-3/4" x 29-7/8"	26-3/4" x 26-3/4"
2	36" x 63"	33-7/8" x 30-3/8"	31-1/8" x 27-5/8"
3-5	36" x 74"	33-7/8" x 35-7/8"	31" x 33"
6-7	36" x 84"	33-3/4" x 32-1/2"	30-7/8" x 46-3/8"
8-9	48" x 72"	45-3/4" x 27-5/8"	42-7/8" x 39-1/8"
10-11	52-1/2" x 71"	50-3/8" x 34-3/8"	47-1/2" x 31-1/2"
12	48" x 80"	45-7/8" x 38-7/8"	42-7/8" x 36"
13	109" x 72"	33-7/8" x 34-7/8" (3)	30-7/8" x 32" (3)
14	44" x 63"	41-7/8" x 30-3/8"	31" x 33"

**Product Identification (Certification Label on Window):**

System		
1-2, 4, 6, 8, 10, 12, 14	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	43-06 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3, 5, 7, 9, 11	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	43-06 SH (FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
13	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	43-06 SH TRIPLE FIN & FINLESS
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

System	Impact Resistant	Requirement
1-14	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System		
1-2, 4, 6, 8, 10, 12, 14	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 6 steel fasteners
	Fastener Location/Spacing	2" from each corner and 8" on center along the perimeter
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
3, 6, 8, 11	Type of Installation	Screw Through Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2-1/2" steel fasteners
	Fastener Location/Spacing	6" from each corner along the side jambs
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
5, 7, 9, 11	Type of Installation	Frame Installation
	Wall Framing	Solid or grout concrete block with 1x6 pressure treated lumber between the block and window frame
	Fasteners	3/16" x 2-3/4" Tapcon screws
	Fastener Location/Spacing	Side jambs: 6" from each corner into the concrete block
	Fastener Penetration	Minimum of 2" into the wall framing

**Installation:**

System		
13	Type of Installation	Nail Fin/Bracket Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2-1/2" steel fasteners (Frame) No. 10 steel fasteners (Base plate to wall framing) 1/4" diameter steel pop rivets (L Brackets to Mullion) L Brackets: 2.090" x 2.34" x 1"
	Fastener Location/Spacing	Fin: 2" from each corner and 8" on center along perimeter L Bracket/Base Plate: at each end of the mullions
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
13	Type of Installation	Screw Through Frame/Bracket Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 6 steel fasteners (Side Jambs) No. 10 steel fasteners (Base plate to wall framing) 1/4" diameter steel pop rivets (L Brackets to Mullion) L Brackets: 2.090" x 2.34" x 1"
	Fastener Location/Spacing	Side Jambs: 6" from each corner along the side jambs L Bracket/Base Plate: at each end of the mullions
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

**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.