

Product Evaluation

WIN1024 | 0620

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-1024

Effective Date: June 1, 2020

Re-evaluation Date: September 2024

Product Name: Series 42-19 Vinyl Double Hung Windows, Fin Installation, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 42-19 Vinyl Double Hung Windows	R-PG50 (36 x 63)-H	+50 / -50 psf
2	Series 42-19 Vinyl Double Hung Windows	R-PG50 (36 x 74)-H	+50 / -50 psf
3	Series 42-19 Vinyl Double Hung Windows	R-PG35 (44 x 63)-H	+35 / -35 psf
4	Series 42-19 Vinyl Double Hung Windows	R-PG35 (48 x 80)-H	+35 / -35 psf
5	Series 42-19 Vinyl Double Hung Windows	R-PG35 (52 x 71)-H	+35 / -35 psf
6	Series 42-19 Vinyl Double Hung Windows; Twin	R-PG35 (73 x 63)-H	+35 / -35 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
7	Series 42-19 Vinyl Double Hung Windows; Twin, T-MULL	R-PG50 (73 x 76)-H	+50 / -50 psf
8	Series 42-19 Vinyl Double Hung Windows; Twin	R-PG30 (89 x 63)-H	+30 / -30 psf
9	Series 42-19 Vinyl Double Hung Windows; Twin	R-PG30 (97 x 80)-H	+30 / -30 psf
10	Series 42-19 Vinyl Double Hung Windows; Triple	R-PG35 (109 x 74)-H	+35 / -35 psf
11	Series 42-19 Vinyl Double Hung Windows; Quad	R-PG35 (112 x 74)-H	+35 / -35 psf

Product Dimensions:

System	Overall Size	Top Sash Size	Bottom Sash Size
1	36" x 63"	32-7/8" x 30-1/2"	33-7/8" x 31-1/2"
2	36" x 74"	32-7/8" x 35-15/16"	33-7/8" x 36-15/16"
3	44-1/4" x 63"	41-1/8" x 30-1/2"	42-1/8" x 31-1/2"
4	48" x 80"	44-7/8" x 38-15/16"	45-7/8" x 39-15/16"
5	52" x 71"	48-7/8" x 34-7/16"	49-7/8" x 35-7/16"
6	72-1/2" x 63"	32-7/8" x 30-1/2" (2)	33-7/8" x 31-1/2" (2)
7	72-1/2" x 75-3/4"	32-7/8" x 36-7/8" (2)	33-7/8" x 37-7/8" (2)
8	89" x 63"	41-1/8" x 30-1/2" (2)	42-1/8" x 31-1/2" (2)
9	97" x 80"	45-1/8" x 38-15/16" (2)	46-1/8" x 39-15/16" (2)
10	109" x 74"	32-7/8" x 35-15/16" (3)	33-7/8" x 36-15/16" (3)
11	112" x 74"	24-1/2" x 36" (4)	25-1/2" x 37" (4)

Product Identification (Certification Label on Window):

System		
1-5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	42-19 DH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6-9	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	42-19 DH TWIN (Systems 6, 8-9) 42-19 DH TWIN (T-MULL) (System 7)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Label on Window) - continued:

System		
10	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	42-19 DH TRIPLE
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
11	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	42-19 DH QUAD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-11	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1-11	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 6 steel screws
	Fastener Location/Spacing	2" from each corner and 9" on center along the perimeter
	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.