

## Product Evaluation

WIN1638 | 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-1638

**Effective Date:** June 1, 2020

**Re-evaluation Date:** September 2024

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

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

**Marketed As:** ProFinish Brickmould 600 w/ SafePoint Storm

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 42-19 Vinyl Double Hung Windows	R-PG50 (36 x 63)-H Missile Level C	+50 / -50 psf
2	Series 42-19 Vinyl Double Hung Windows	R-PG50 (36 x 74)-H INS TEMP/LAM GL Missile Level C	+50 / -50 psf
3	Series 42-19 Vinyl Double Hung Windows	R-PG50 (36 x 74)-H INS LAM GL Missile Level C	+50 / -50 psf
4	Series 42-19 Vinyl Double Hung Windows	R-PG50 (38 x 72)-H Missile Level C	+50 / -50 psf

**General Description (continued):**

System	Description	Label Rating	Design Pressure Rating
5	Series 42-19 Vinyl Double Hung Windows; Twin, T-MULL	R-PG50 (73 x 74)-H Missile Level C	+50 / -50 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	36" x 74"	32-15/16" x 35-7/8"	33-7/8" x 37"
4	38" x 72"	34-7/8" x 35"	35-7/8" x 36"
5	72-1/2" x 74"	32-7/8" x 35-7/8" (2)	33-7/8" x 37" (2)

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

System		
1-4	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 AAM 506; Missile Level C
5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	42-19 DH TWIN (T-MULL)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level C

**Impact Resistance:**

System	Impact Resistant	Requirement
1-5	Yes	These products satisfy TDI's criteria for protection from windborne debris. The products may be used for Basic Protection in areas where the basic ultimate wind speed is less than 150 mph. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

System		
1-5	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.