

Product Evaluation

WIN831 | 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-831

Effective Date: June 1, 2020

Re-evaluation Date: October 2021

Product Name: Series 43-06/ 43-17 Vinyl Fixed Windows, Fin and Frame Installation, Non-Impact Resistant

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

The Windows are marketed under the following names:

Frame Series 43-06:

- Profinish Builder
- 6060 Series
- PerfeXion Contractor

Frame Series 43-17:

- Profinish Contractor
- Profinish Master
- PerfeXion Contractor

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|---------------|--|----------------------|-------------------------------|
| 1 | Series 43-06 Vinyl Fixed Windows | R-PG50 (48 x 63)-FW | +50 / -50 psf |
| 2 | Series 43-06 Vinyl Fixed Windows | R-PG50 (72 x 63)-FW | +50 / -50 psf |
| 3 | Series 43-17 Vinyl Fixed Windows | R-PG50 (74 x 63)-FW | +50 / -50 psf |
| 4 | Series 43-17 Vinyl Fixed Windows; Fin Installed | R-PG55 (80 x 48)-FW | +55 / -55 psf |
| 5 | Series 43-17 Vinyl Fixed Windows; Frame Installed | R-PG55 (80 x 48)-FW | +55 / -55 psf |
| 6 | Series 43-17 Vinyl Fixed Windows | R-PG35 (96 x 63)-FW | +35 / -35 psf |
| 7 | Series 43-06 Vinyl Fixed Windows | R-PG45 (96 x 63)-FW | +45 / -45 psf |
| 8 | Series 43-17 Vinyl Fixed Windows | CW-PG30 (96 x 72)-FW | +30 / -30 psf |
| 9 | Series 43-06 Vinyl Fixed Windows | LC-PG35 (96 x 72)-FW | +35 / -35 psf |
| 10 | Series 43-17 Vinyl Fixed Windows; TWIN Fin Installed | R-PG35 (97 x 80)-FW | +35 / -35 psf |
| 11 | Series 43-17 Vinyl Fixed Windows; TWIN Frame Installed | R-PG40 (97 x 80)-FW | +40 / -40 psf |

Product Dimensions:

| System | Overall Size | Fixed Sash Daylight Opening Size |
|---------------|---------------------|---|
| 1 | 48" x 63" | 43-1/8" x 58-1/4" |
| 2 | 72" x 63" | 67-1/8" x 58-1/8" |
| 3 | 74" x 63" | 69" x 58" |
| 4 | 80" x 48" | 75" x 43" |
| 5 | 80" x 48" | 74-7/8" x 42-7/8" |
| 6 | 96" x 63" | 91-1/4" x 58-1/4" |
| 7 | 96" x 63" | 90-7/8" x 57-7/8" |
| 8 | 96" x 72" | 90-7/8" x 66-7/8" |
| 9 | 96" x 72" | 91-1/8" x 67-1/8" |
| 10-11 | 97" x 80" | 43" x 74-3/4" |

Product Identification (Certification Label on Window):

| System | | |
|-----------|----------------------------------|--|
| 1-2, 7, 9 | Certification Agency | AAMA |
| | Manufacturer's Name or Code Name | SIM-1 or SIM-2 |
| | Product Name | 43-06 PICTURE |
| | Test Standards | AAMA/WDA/CSA 101/I.S.2/A440-08 |
| 3-6, 8 | Certification Agency | AAMA |
| | Manufacturer's Name or Code Name | SIM-1 or SIM-2 |
| | Product Name | 43-17 PICTURE 43-17 PICTURE (FINLESS) (System 5) |
| | Test Standards | AAMA/WDA/CSA 101/I.S.2/A440-08 |
| 10-11 | Certification Agency | AAMA |
| | Manufacturer's Name or Code Name | SIM-1 or SIM-2 |
| | Product Name | 43-17 PW TWIN 43-17 PW TWIN (FINLESS) (System 11) |
| | Test Standards | AAMA/WDA/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, 6, 8, 10 | 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 8-1/2" on center along the perimeter |
| | Fastener Penetration | Minimum of 1-1/2" into the wall framing |
| 2-4 | 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 11" on center along the perimeter |
| | Fastener Penetration | Minimum of 1-1/2" into the wall framing |
| 5 | Type of Installation | Frame Installation |
| | Wall Framing | Spruce-Pine-Fir dimension lumber |
| | Fasteners | 3/16" x 2-3/4" Tapcon |
| | Fastener Location/Spacing | 6" from each corner along the side jambs |
| | Fastener Penetration | Minimum of 1-1/2" into the wall framing |

Installation (continued):

| System | | |
|--------|---------------------------|---|
| 7 | Type of Installation | Frame Installation |
| | Wall Framing | Spruce-Pine-Fir dimension lumber |
| | Fasteners | No. 6 drywall screws |
| | 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 |
| 9 | Type of Installation | Nail Fin Installation |
| | Wall Framing | Southern Yellow Pine dimension lumber |
| | Fasteners | No. 6 steel screws |
| | Fastener Location/Spacing | 5" from each corner and 10" on center along the perimeter |
| | Fastener Penetration | Minimum of 1-1/2" into the wall framing |
| 11 | Type of Installation | Frame Installation |
| | Wall Framing | Spruce-Pine-Fir dimension lumber |
| | Fasteners | No. 8 x 2-1/2" steel screws |
| | Fastener Location/Spacing | 6" from each corner along the side jambs 2" from each side of the mullion along the head |
| | Fastener Penetration | Minimum of 1-1/2" into the wall framing |
| 11 | Type of Installation | CMU block |
| | Wall Framing | Spruce-Pine-Fir dimension lumber |
| | Fasteners | No. 8 x 2-1/2" steel screws –head 3/16" x 2-3/4" Tapcon- side jambs |
| | Fastener Location/Spacing | Side Jambs: 6" from each corner into the CMU block 2" from each side of the mullion along the head |
| | 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.