

Product Evaluation

WIN1190 | 1120

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-1190

Effective Date: November 1, 2020

Re-evaluation Date: August 2021

Product Name: 08-09/ 08-10/ 08-20 Vinyl Awning Windows, Impact Resistant

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

Marketed As: StormBreaker Plus
PerfeXion Impact
8000 Series

General Description:

System	Description	Label Rating	Design Pressure Rating
1	08-09/08-10/08-20 Storm Breaker Plus Vinyl Awning Windows	R-PG55 (53 x 26)-AP Missile Level D	+55 / -55 psf
2	08-09/08-10/08-20 Storm Breaker Plus Vinyl Awning Windows	R-PG55 (53 x 26)-AP Missile Level D	+55 / -55 psf

Product Dimensions:

System	Overall Size	Operable Sash Size
1-2	53" x 26"	51-1/4" x 24-1/4"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	08-09/08-20 SB PLUS AWNING (System 1) 08-09/08-20 AWNING (System 2)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	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: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing with No. 10 x 2-1/2" steel fasteners. Locate the fasteners 6" from each corner along the head and side jambs, and 3" on either side of the midspan along the sill. Locate one No. 8 x 3" pan head screw through each tie bar guide. Locate one (1) No. 8 x 2-1/2" pan head screw through the second and bottom holes of the hinge track along the side jamb, two (2) through each impact snubber along the head, and one through the operator bracket along the sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured to the wall framing with 1-1/2" long smooth shank roofing nails with 1/8" shaft diameter and a 3/8" head. Locate the fasteners beginning at each corner and 8" on center. Locate one (1) No. 8 x 3" pan head screw through each tie bar guide. Locate one (1) No. 8 x 2-1/2" pan head screw through the second and bottom holes of the hinge track along the side jamb, two (2) through each impact snubber along the head, and one (1) through the operator bracket along the sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured to the wall framing with No. 6 steel fasteners. Locate the fasteners beginning at each corner and 9" on center. Along the side jambs, locate one (1) No. 8 x 3 steel fastener through each tie bar guide at the top hole. Fasteners must be 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.