



Product Evaluation

WIN1190 | 0816

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: August 1, 2016

Re-evaluation Date: September 2020

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

Manufacturer: Simonton Windows
3948 Townsfair Way, Suite 200
Columbus, Ohio 43219
(800) 426-2249

Marketing Names: Storm Breaker Plus
Grand Estates Coastal
8000 Series

General Description:

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

Product Dimensions:

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

Product Identification (Certification Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-2
	Product Name	08-09 / 08-20 Awning
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-06; Missile Level D
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1
	Product Name	08-09 / 08-20 Awning
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-06; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to, or smaller than those specified are acceptable with the limitations specified in this report.

Installation:

System		
1	Type of Installation	Retro-fit - Frame 08-09
	Wall Framing	Spruce-Pine-Fir
	Fasteners (Steel)	1. Head – Jamb – Sill # 8 x 2-1/2" long pan head screw. 2. Sill. # 10 x 2-1/2" 3. Jambs. # 8 x 3" long pan head screw. 4. Head / Jambs. # 10 x 2-1/2" long.
	Fastener Location/Spacing	1. Head – Jamb – Sill - Two through each impact snubber into the wood buck (6 total). - One through the second and bottom holes of the hinge track (2 per jamb). - One through the operator bracket. 2. Sill On either side of mid-span (2 total). 3. Jambs One through each tie bar guide (2 per jamb). 4. Head / Jambs 6" from each corner (2 per jamb and 3 in the head).
	Fastener Penetration	1-1/2" minimum into wood framing

Installation (cont.):

System		
1	Type of Installation	New Construction 08-20
	Wall Framing	Spruce-Pine-Fir
	Fasteners (Steel)	1. Head, Sill and Jamb: a) # 8 x 2-1/2" long pan head screw. b) 1/8" shank diameter by 3/8" head diameter, 1-1/2" long roofing nail. 2. Jamb: # 8 x 3" long pan head screw.
	Fastener Location/Spacing	1. Head, Sill and Jamb: (# 8 x 2-1/2") - Two through each impact snubber into the wood buck (6 total). - One through the second and bottom holes of the hinge track (2 per jamb). - 3" on either side of mid span (2 total). b). 1/8" shank x 3/8" head diam. Each corner and spaced 8" on center, through the nail fin into the wood buck. 2. Jamb: (# 8 x 3") One through each tie bar guide (2 per jamb).
	Fastener Penetration	1-1/2" minimum into wood framing
2	Type of Installation	New Construction 08-09 / 08-20
	Wall Framing	Spruce-Pine-Fir
	Fasteners (Steel)	1. Nail Fin: #6 x 1-1/4" long 2. Jamb: #8 x 3" long
	Fastener Location/Spacing	1. Nail Fin: Spaced approximately 9" on center, and beginning in each corner. 2. Jamb: Two per jamb, one through each tie bar guide at the top hole.
	Fastener Penetration	1-1/2" minimum into wood framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.