



Product Evaluation

WIN271 | 1215

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-271

Effective Date: December 1, 2015

Re-evaluation Date: August 2017

Product Name: Series 07-20 and Series 07-09 Stormbreaker Plus Vinyl Double-Hung Tilt Windows, Fin-Mounted and Replacement Construction, Individual, Impact Resistant

Manufacturer: Simonton Windows
3948 Townsfair Way, Suite 200
Columbus, OH 43219
(800) 746-6687

Marketed Under: Stormbreaker Plus 300 VL Series
Grand Estates Coastal Impact
8000 Series

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Stormbreaker Plus (Series 07-09 Box Frame Replacement Construction) Vinyl Double-Hung Tilt Windows (with H9 Steel Reinforcement), (X/X)	R-PG55 53 X 76-H Missile Level D	+55 / -55 psf
2	Stormbreaker Plus (Series 07-20 J-Channel Frame with nailing fin) Vinyl Double-Hung Tilt Windows (with H9 Steel Reinforcement), (X/X)	R-PG55 53 X 76-H Missile Level D	+55 / -55 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
3	Stormbreaker Plus (Series 07-09 Box Frame Replacement Construction) Vinyl Double-Hung Tilt Windows (with A9 Aluminum Reinforcement), (X/X)	R-PG60 37 X 84-H Missile Level D	+60 / -60 psf
4	Stormbreaker Plus (Series 07-20 J-Channel Frame with nailing fin) Vinyl Double-Hung Tilt Windows (with A9 Aluminum Reinforcement), (X/X)	R-PG60 37 X 84-H Missile Level D	+60 / -60 psf
5	Stormbreaker Plus (Series 07-09 Box Frame Replacement Construction) Vinyl Double-Hung Tilt Windows (with A9 Aluminum Reinforcement), (X/X)	R-PG65 37 X 76-H Missile Level D	+65 / -65 psf
6	Stormbreaker Plus (Series 07-20 J-Channel Frame with nailing fin) Vinyl Double-Hung Tilt Windows (with A9 Aluminum Reinforcement), (X/X)	R-PG65 37 X 76-H Missile Level D	+65 / -65 psf

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	53" x 76"	45-7/8" x 33-3/8"
2	53" x 76"	45-7/8" x 33-3/8"
3	37" x 84"	29-7/8" x 37-1/8"
4	37" x 84"	29-7/8" x 37-1/8"
5	37" x 76"	29-7/8" x 33-3/8"
6	37" x 76"	29-7/8" x 33-3/8"

Product Identification (Certification Label on Window):

System		
1 - 6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1, SIM-2
	Product Name	Series: 07-09/07-20 Stormbreaker PL DH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-06; ASTM E 1886/ASTM E 1996 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1 - 6	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the assemblies' design pressure rating.

Installation:

System		
1, 3, 5 (FINLESS)	Type of Installation	Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension Lumber
	Fasteners	Minimum #10 x 2-1/2" steel fasteners
	Fastener Location/Spacing	<ul style="list-style-type: none"> Drive two fasteners through each window frame jamb - one at 6" below the upper end and one at 6" above the lower end. Drive two additional fasteners through each window frame jamb - one at 3" below the window frame midpoint and one at 6" above the midpoint. Drive fasteners through the window frame head at 6" from each corner centerline (2 fasteners total).
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2, 4, 6 (FIN)	Type of Installation	Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension Lumber
	Fasteners	Minimum #6 x 1-5/8" steel fasteners
	Fastener Location/Spacing	Drive fasteners through the nail fin at 1" from each corner centerline and at 9" on center (maximum) thereafter.
	Fastener Penetration	Minimum 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, the IBC, and the Texas Revisions.