



Product Evaluation

DR216 | 1216

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: DR-216

Effective Date: December 1, 2016

Re-evaluation Date: July 2021

Product Name: Series 11-11 Vinyl Sliding Glass Doors, Finless-Mount, Impact Resistant

Manufacturer: Simonton Building Products, Inc.
3948 Townsfair Way Suite 200
Columbus, Ohio 43219
(800) 426-2249

Marketed as: Stormbreaker Plus 300 VL
Grand Estates Coastal

General Description: Series 11-11 Sliding Glass Door with H9 Aluminum-Reinforced* Vinyl Frame Option

System	Description	Label Rating	Design Pressure Rating
1	Series 11-11 Vinyl 3-Lite Sliding Glass Doors; Finless Mount; OXO <ul style="list-style-type: none"> Exterior lite: 1/8" tempered glass Interior lite: 1/8" annealed glass plate; 0.090 PVB interlayer; 1/8" annealed glass plate 	R-PG50 107 x 79-SD AAMA 506-06 Missile Level D	± 50 psf
2	Series 11-11 Vinyl 3-Lite Sliding Glass Doors; Finless Mount; OXO <ul style="list-style-type: none"> Exterior lite: 3/16" tempered glass Interior lite: 3/16" annealed glass plate; 0.090 PVB interlayer; 3/16" annealed glass plate 	R-PG50 107 x 95-SD AAMA 506-06 Missile Level D	± 50 psf

General Description: Series 11-11 Sliding Glass Door with H9 Aluminum-Reinforced* Vinyl Frame Option (Continued)

System	Description	Label Rating	Design Pressure Rating
3	Series 11-11 Vinyl 3-Lite Sliding Glass Doors; Finless Mount; OXO Exterior lite: 1/8" tempered glass Interior lite: 3/16" annealed glass plate; 0.090 PVB interlayer; 3/16" annealed glass plate	R-PG50 143 x 79-SD AAMA 506-06 Missile Level D	± 50 psf
4	Series 11-11 Vinyl 3-Lite Sliding Glass Doors; Finless Mount; OXO <ul style="list-style-type: none"> • Exterior lite: 3/16" tempered glass • Interior lite: 3/16" tempered glass plate; 0.090 PVB interlayer; 3/16" tempered glass plate 	R-PG50 143 x 95-SD AAMA 506-06 Missile Level D	± 50 psf

*H9 Aluminum-reinforced stiles, head center rail and sill center rail

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	107-1/4" x 79-1/4"	36-1/8" x 76-1/2"	28" x 68-3/8"
2	107-1/4" x 95-1/4"	36-1/8" x 92-3/8"	28" x 84-1/4"
3	143-1/4" x 79-1/4"	49" x 76-1/8"	40-1/8" x 68-1/2"
4	143-1/4" x 95-1/4"	48-1/8" x 92-1/2"	40-1/16" x 84-1/2"

Product Identification (Certification Agency Label on Door):

System		
1 - 4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	Systems 1, 3, 4: Series: 11-11 SGD (3 LITE) System 2: Series: 11-11 SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-06 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1 - 4	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 building that does not exceed the design pressure rating for the assemblies.

Installation:

System		
1 - 4	Type of Installation	Replacement Construction – Finless Mount to Wood Frame
	Wall Framing	Spruce Pine Fir (SPG ≥ 0.42)
	Fasteners	No. 10 x 2-1/2" steel pan head screws (minimum)
	Fastener Location/Spacing	Secure the door to the wall framing by setting the fasteners through the vinyl door jambs, head and sill. Set a single fastener at 6" (maximum) from each corner. Set the remaining fasteners spaced at 12" (maximum) on center.
	Fastener Penetration	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, the IBC, and the Texas Revisions.