



# Product Evaluation

DR138 | 0916

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-138

**Effective Date:** September 1, 2016

**Re-evaluation Date:** January 2017

**Product Name:** Series 06-05 Vinyl Sliding Patio Doors, New and Replacement Construction, Non-impact Resistant

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

**Marketed as:** Asure  
Reflections 5300  
Prism Ultra-Gold  
Grand Estates View, Grand Estates Contractor and Grand Estates Plus  
Sears 9300  
VantagePointe 6100

## General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 06-05 Vinyl Sliding Patio Doors; OX; New Construction; E5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG35 71 x 80-SD	± 35 psf
2	Series 06-05 Vinyl Sliding Patio Doors; OX; New Construction; H5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG50 71 x 80-SD	± 50 psf

**General Description (continued):**

System	Description	Label Rating	Design Pressure Rating
3	Series 06-05 Vinyl Sliding Patio Doors; OX; Replacement Construction; E5 Steel Reinforced Meeting Stiles and Lock Stiles	SD-R35 71 x 80	± 35 psf
4	Series 06-05 Vinyl Sliding Patio Doors; OX; Replacement Construction; H5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG50 71 x 80-SD	± 50 psf
5	Series 06-05 Vinyl Sliding Patio Doors; OX; New Construction; H5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG35 71 x 96-SD	± 35 psf
6	Series 06-05 Vinyl Sliding Patio Doors; OX; Replacement Construction; H5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG35 71 x 96-SD	± 35 psf
7	Series 06-05 Vinyl Sliding Patio Doors; OX; New Construction; E5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG30 77 x 84-SD	± 30 psf
8	Series 06-05 Vinyl Sliding Patio Doors; OX; New Construction; E5 Steel Reinforced Meeting Stiles and Lock Stiles	SD-R35 95 x 80	± 35 psf
9	Series 06-05 Vinyl Sliding Patio Doors; OX; New Construction; H5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG50 95 x 80-SD	± 50 psf
10	Series 06-05 Vinyl Sliding Patio Doors; OX; Replacement Construction; E5 Steel Reinforced Meeting Stiles and Lock Stiles	SD-R35 95 x 80	± 35 psf
11	Series 06-05 Vinyl Sliding Patio Doors; OXO; New Construction; E5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG30 107 x 80-SD	± 30 psf
12	Series 06-05 Vinyl Sliding Patio Doors; OXO; Replacement Construction; E5 Steel Reinforced Meeting Stiles and Lock Stiles	R-PG30 107 x 80-SD	± 30 psf
13	Series 06-05 Vinyl Sliding Patio Doors; OXO; New Construction; H5 Steel Reinforced Meeting Stiles, Lock Stiles, and Astragals	R-PG45 107 x 80-SD	± 45 psf

**Product Dimensions:**

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	71-1/4" x 79-1/2"	36-3/8" x 76-1/2"	31-3/8" x 71-1/2"
2	71-1/4" x 79-1/2"	36-3/8" x 76-1/2"	31-3/8" x 71-1/2"
3	71-1/4" x 79-1/2"	36-3/8" x 76-1/2"	31-3/8" x 71-1/2"
4	71-1/4" x 79-1/2"	36-3/8" x 76-1/2"	31-3/8" x 71-1/2"
5	71-1/4" x 95-1/2"	36-3/8" x 92-1/2"	31-3/8" x 87-1/2"
6	71-1/4" x 95-1/2"	36-3/8" x 92-1/2"	31-3/8" x 87-1/2"

**Product Dimensions (continued):**

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
7	71-1/4" x 83-1/2"	39-7/16" x 76-9/16"	34-5/8" x 71-3/4"
8	95-1/4" x 79-1/2"	48-3/8" x 76-1/2"	43-3/8" x 71-3/8"
9	95-1/4" x 79-1/2"	48-3/8" x 76-3/8"	43-5/8" x 71-1/2"
10	95-1/4" x 79-1/2"	48-3/8" x 76-1/2"	43-3/8" x 71-3/8"
11	107-1/4" x 79-1/2"	37" x 76-1/2"	Two: 32-1/4" x 71-5/8"
12	107-1/4" x 79-1/2"	37" x 76-1/2"	Two: 32-1/4" x 71-5/8"
13	107-1/4" x 79-1/2"	37" x 76-3/8"	Two: 32-1/4" x 71-5/8"

**Product Identification (Certification Agency Label on Door):**

System		
1, 2, 4, 5, 6, 7, 9, 11, 12, 13	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	System 1, 7, 11, 13: 06-05 SGD (FIN) System 4, 6: 06-05 SGD (FINLESS) System 9: 06-05 Patio Door (2 LITE) System 2, 5: 06-05 Patio Door (FIN)(2 LITE) System 12: 06-05 Patio Door (3 LITE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3, 8, 10	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM 1 or SIM-2
	Product Name	06-05 Patio Door (2 Lite)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Impact Resistance:**

System	Impact Resistant	Requirement
1-13	No	Provide an impact protective system when installing the product in areas that require windborne debris.

**Installation:**

System		
1, 2, 5, 7, 8, 9, 11, 13	Type of Installation	New Construction – Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 6 x 1-5/8" steel screws (minimum) No. 8 x 2-1/2" steel screws (minimum)
	Fastener Location/Spacing	Fasten the door to minimum Spruce-Pine-Fir dimension lumber. Secure the door to the wall framing using the nailing fin with minimum No. 6 steel screws. Locate the fasteners at 2" from each corner and 8-1/2" on center along the perimeter of the door. Secure the door latch keeper to the wall framing with two, No. 8 x 2-1/2" steel screws.
	Fastener Penetration	Minimum of 1-1/2" into the wall framing members

**Installation (continued):**

System		
3, 4, 6, 10, 12	Type of Installation	Replacement – Through Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 steel screws No. 10 steel screws
	Fastener Location/Spacing	<p>Fasten the door to minimum Spruce-Pine-Fir dimension lumber. Secure the door to the wall framing using the doorframe with minimum No. 10 x 2-1/2" steel screws.</p> <ul style="list-style-type: none"> <li>• Along the head, set four fasteners at 6" and 9" from each corner.</li> <li>• For System #5, set six fasteners through each jamb. Set two fasteners at 6" from each corner. Set the four remaining fasteners at uniform spacing.</li> <li>• For all other systems, set four fasteners through each jamb at 6" and 29" from each corner.</li> <li>• Secure the door latch keeper to the wall framing with two, No. 8 x 2-1/2" steel screws.</li> </ul>
	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.