



Product Evaluation

DR712 | 0115

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-712

Effective Date: December 1, 2014

Revised: January 1, 2015

Re-evaluation Date: August 2017

Product Name: 5400 Vinyl Sliding Glass Doors, New Construction and Replacement Construction, Non-impact Resistant

Manufacturer: Showcase Custom Vinyl Windows and Doors
1702 Cullen Blvd
Houston, TX 77023
(713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	5400 Vinyl Sliding Glass Door; XX	R-PG50 96 x 96-Type SD XX	± 50
2	5400 Vinyl Sliding Glass Door; OXO	R-PG50 144 x 96-Type SD	± 50
3	5400 Vinyl Sliding Glass Door; OXO	R-PG45 144 x 96-Type SD	± 45
4	5400 Vinyl Sliding Glass Door; OXXO	R-PG45 192 x 96-Type SD	± 45
5	5400 Vinyl Sliding Glass Door; OXXO	R-PG50 192 x 96-Type SD	± 50

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Glass Daylight Opening Size
1	96.00" x 96.00"	48.38" x 91.50"	41.25" x 85.75"
2	144.00" x 96.00"	One (1): 48.38" x 91.50"	Two (2): 41.25" x 85.75"
3	144.00" x 96.00"	One (1): 48.38" x 91.50"	Two (2): 41.25" x 85.75"
4	192.00" x 96.00"	Two (2): 48.38" x 91.50"	Two (2): 41.25" x 85.75"
5	192.00" x 96.00"	Two (2): 48.38" x 91.50"	Two (2): 41.25" x 85.75"

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-319
	Product Name	5400 Patio Door XX Sliding Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-322
	Product Name	5400 Patio Door OXO Sliding Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-321
	Product Name	5400 Patio Door OXO Sliding Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-323
	Product Name	5400 Patio Door OXXO Sliding Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
5	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-324
	Product Name	5400 Patio Door OXXO Sliding Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1-5	Type of Installation	New or Replacement – Frame installation
	Wall Framing	Southern Yellow pine
	Fasteners	Minimum No. 10 x 2" pan head screws
	Fastener Location/Spacing	Space the fasteners approximately 4" from each corner and approximately 12" on center along the perimeter of the doorframe. Locate a fastener approximately 8" on either side of the center head and sill
	Fastener Penetration	Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall-framing members.

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