

Product Evaluation

DR1121 | 0121

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-1121**Effective Date:** January 1, 2021**Re-evaluation Date:** April 2023**Product Name:** Series 880/8800 Vinyl Sliding Glass Patio Doors, Frame Installation, Non-Impact Resistant**Manufacturer:** Custom Window Systems, Inc.
1900 SW 44th Ave.
Ocala, FL 34474
(352) 368-6922**General Description:**

System	Description	Label Rating	Design Pressure Rating
1	Series 880/8800 Vinyl Sliding Glass Patio Doors; XXXXXX	R-PG65 (288 x 96)-SD	+65 / -65 psf
2	Series 880/8800 Vinyl Sliding Glass Patio Doors; XXXXXX	R-PG80 (360 x 96)-SD	+80 / -80 psf
3	Series 880/8800 Vinyl Sliding Glass Patio Doors; XXXX	R-PG65 (198 x 120)-SD	+65 / -65 psf
4	Series 880/8800 Vinyl Sliding Glass Patio Doors; XXXXXX	R-PG65 (288 x 120)-SD	+65 / -65 psf

Product Dimensions:

System	Overall Size	Maximum Panel Size	Panel Daylight Opening Size
1	287-1/2" x 96"	50-7/16" x 93-3/8"	40-7/16" x 84-15/16"
2	359-1/2" x 96"	62-7/16" x 93-3/8"	52-7/16" x 84-15/16"
3	197-11/16" x 120"	50-7/16" x 117-3/8"	40-7/16" x 108-15/16"
4	287-1/2" x 120"	50-7/16" x 117-3/8"	40-7/16" x 108-15/16"

Product Identification (Certification Label on Door):

System		
1-4	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 138-1396 (System 1) CAR# 138-1399 (System 2) CAR# 138-1603 (System 3) CAR# 138-1609 (System 4)
	Product name	880 PVC SGD
	Test standards	AAMA/WDMA/CSA101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing members with No. 12 x 2-1/2" PH wood screws. Use two (2) rows of screws approximately 4" apart along the head and sill, located 6" from each corner, 4" on each side of the centerline of interlocks/lockstiles/P-hooks, and at the midspan of each panel. Along the side jambs, use two (2) rows of screws 4" apart, located 6" from each corner and 21" on center thereafter. At the P Hook, locate the screws 3" from each end and 18-1/2" on center thereafter. Use two No. 12 x 4" PH wood screws for each ant-lift block. Fasteners must be long enough to penetrate a 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 and the IBC.