

Product Evaluation

DR1139 | 0221

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-1139

Effective Date: February 1, 2021

Re-evaluation Date: April 2024

Product name: Series 8800 Vinyl Sliding Glass Patio Doors, Impact Resistant

Manufacturer: Custom Window Systems
1900 SW 44th Ave.
Ocala, FL 34474
(352) 368-6922

General Description:

System	Description	Label rating	Design pressure rating
1	Series 8800 Vinyl Sliding Glass Patio Doors; XXXXP	LC-PG50 (288 x 96) Missile Level D	+50 / -50 psf
2	Series 8800 Vinyl Sliding Glass Patio Doors; XXXXP	LC-PG65 (288 x 120) Missile Level D	+65 / -65 psf
3	Series 8800 Vinyl Sliding Glass Patio Doors; XXXXP	LC-PG80 (360 x 96) Missile Level D	+80 / -80 psf
4	Series 8800 Vinyl Sliding Glass Patio Doors; XXXXP	LC-PG65 (288 x 96) Missile Level D	+65 / -65 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1, 4	287-1/2" x 96"	48-15/16" x 93-3/8"	40-7/16" x 84-15/16"
2	287-1/2" x 120"	48-15/16" x 117-3/8"	40-7/16" x 108-15/16"
3	359-1/2" x 96"	60-15/16" x 93-3/8"	52-7/16" x 84-15/16"

Product Identification (Certification Label on Door):

System		
1	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 138-1613 (Structural) CAR# 138-574 (Impact)
	Product name	8800 Impact Sliding Patio Doors
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17 ASTM E1886-13a/E1996-14a; Missile Level D
2	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 138-1614 (Structural) CAR# 138-575 (Impact)
	Product name	8800 PVC Imp Sliding Patio Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-13a/E1996-14a; Missile Level D
3	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 138-1615 (Structural) CAR# 138-576 (Impact)
	Product name	8800 Impact Sliding Patio Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-09; Missile Level D
4	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 138-1616 (Structural) CAR# 138-577 (Impact)
	Product name	8800 Impact Sliding Patio Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17 ASTM E1886-05,13a/E1996-09,14a Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-4	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations of this report.

Installation:

System		
1, 4	Type of installation	Install in accordance with drawing No. TDI-1150, dated May 6, 2016. Signed and sealed by Lucas A. Turner, P.E. on May 28, 2020.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
2	Type of installation	Install in accordance with drawing No. TDI-1152, dated May 17, 2016. Signed and sealed by Lucas A. Turner, P.E. on May 29, 2020.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
3	Type of installation	Install in accordance with drawing No. TDI-1151, dated May 16, 2016. Signed and sealed by Lucas A. Turner, P.E. on May 29, 2020.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

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.