

## Product Evaluation

DR451 | 0822

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-451

**Effective Date:** August 1, 2022

**Re-evaluation Date:** July 2025

**Product Name:** Series 8100 2, 3, and 4 Track Aluminum Sliding Glass Doors, Impact Resistant

**Manufacturer:** WinDoor Inc.  
7500 Amsterdam Dr.  
Orlando, FL 32832  
(407) 481-8400

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 8100 Aluminum Sliding Glass Doors; Non-reinforced, XXXXXXP	SD-C70 (287 x 120) Missile Level D	+70 / -70 psf
2	Series 8100 Aluminum Sliding Glass Doors; Reinforced, XXXXXXP	SD-C90 (287 x 120) Missile Level D	+90 / -110 psf
3	Series 8100 Aluminum Sliding Glass Doors; Non-reinforced, XXXXXXP	SD-C70 (359 x 98) Missile Level D	+70 / -70 psf
4	Series 8100 Aluminum Sliding Glass Doors; Reinforced, XXXXXXP	SD-C90 (359 x 98) Missile Level D	+90 / -110 psf

**Product Dimensions:**

System	Overall size	Operable Panel Size	Fixed Panel Daylight Opening Size
1-2	286-1/2" x 120"	49-15/16" x 118-1/16"	40-1/2" x 108-3/8"
3-4	358-1/2" x 98"	61-15/16" x 96-1/4"	52-1/4" x 86-1/2"

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

System		
1	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 167-197 (Structural) CAR# 167-225 (Impact)
	Product name	8100 2, 3, 4 Track Alum Non-Reinforced Impact SGD
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05, AAMA 506-08 Missile Level D
2	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 167-198 (Structural) CAR# 167-227 (Impact)
	Product name	8100 2, 3, 4 Track Alum Reinforced Impact SGD
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05, AAMA 506-08 Missile Level D
3	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 167-195 (Structural) CAR# 167-221 (Impact)
	Product name	8100 2, 3, 4 Track Alum Non-Reinforced Impact SGD
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05, AAMA 506-08 Missile Level D
4	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 167-196 (Structural) CAR# 167-223 (Impact)
	Product name	8100 2, 3, 4 Track Alum Reinforced Impact SGD
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05, AAMA 506-08 Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-4	Yes	These products have been tested for windborne debris resistance. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

System		
1-4	Type of installation	Install in accordance with WinDoor drawing No. TDI-8100LM-1, dated February 2, 2021. Signed and sealed by Anthony Lynn Miller, P.E. on February 5, 2021.
	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.