

Product Evaluation

DR394 | 0622

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-394

Effective Date: June 1, 2022

Re-evaluation Date: June 2025

Product Name: Series 8100 Aluminum 135 Degree Corner Sliding Glass Doors, Reinforced and Non-reinforced, Non-Impact Resistant

Manufacturer: WinDoor Incorporated
7500 Amsterdam Drive
Orlando, FL 32832
(407) 481-8400

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 8100 135 Degree Aluminum SGD Non-Reinforced; (PXXXX/XXXX)	SD-C50 240 x 120	+50 / -50 psf
2	Series 8100 135 Degree Aluminum SGD Reinforced; (PXXXX/XXXX)	SD-C70 240 x 120	+70 / -70 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Door Panel Glass Daylight Opening Size
1-2	240" x 120"	62-7/16" x 118-5/16"	56-5/8" x 112-5/16"

Product Identification (Certification Label on Door):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-192
	Product Name	8100-4T 135 Degree Aluminum SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-193
	Product Name	8100-4T 135 Degree Aluminum Reinforced SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

System	Impact Resistant	Requirement
1-2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

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

Installation:

System		
1-2	Type of Installation	Install and anchor doors in accordance with WinDoor Incorporated, drawing No. 8100-TDI-2, titled "ALUM. SGD, 135°, 5x10, W/WO REINF, NI," sheets 1 through 7 of 7, dated October 20, 2021, signed and sealed by Anthony Lynn Miller, P.E. on October 22, 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.