

Product Evaluation

DR439 | 0122

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-439

Effective Date: January 1, 2022

Re-evaluation Date: January 2026

Product Name: Design Pro/Smooth Pro Glazed Fiberglass Side Hinged Doors, Inswing or Outswing, Singles and Doubles, with or without Sidelites, Impact Resistant

Manufacturer: JELD-WEN Windows and Doors
3737 Lakeport Boulevard
Klamath Falls, OR 97601
(800) 535-3936

General Description:

System	Description	Label Rating
1	Design Pro/Smooth Pro Fiberglass Single Door, Inswing or Outswing; X	MST: 12'5" x 8'2" (+45 / -45 psf) MST: 12'5" x 7'0" (+50 / -50 psf) Missile Level D
2	Design Pro/Smooth Pro Fiberglass Double Door, Inswing or Outswing; XX	
3	Design Pro/Smooth Pro Fiberglass Single Door w/ Sidelites, Inswing or Outswing; OXO	
4	Design Pro/Smooth Pro Fiberglass Double Door w/ Sidelites, Inswing or Outswing; OXXO	

Product Dimensions:

System	Maximum Overall Size	Operable Panel Size	Panel Daylight Opening Size
1	37-1/2" x 97-15/16"	35-3/4" x 95-1/4"	Door: 23-5/8" x 78-9/16" Sidelite: N/A
2	74" x 97-15/16"	35-3/4" x 95-1/4"	Door: 23-5/8" x 78-9/16" Sidelite: N/A
3	112-1/8" x 97-15/16"	35-3/4" x 95-1/4"	Door & Sidelite: 23-5/8" x 78-9/16"
4	148-3/4" x 97-15/16"	35-3/4" x 95-1/4"	Door & Sidelite: 23-5/8" x 78-9/16"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-4	4" Butt Hinges	3 for 6'8" doors 4 for 8'0" doors	Install hardware in accordance with drawing No. A010925, A010927, A010929, and A010931, dated October 6, 2021. Signed and sealed by Joseph A. Reed, P.E. on November 16, 2021.
	Lock Strike Plate	1	
	Deadbolt Strike Plate	1	
	Kwikset Series 400 Lockset	1	
	Kwikset Series 780 Deadbolt	1	
	Hoppe Multipoint HLS9000	1	
	Rockwell Multi-point	1 (single door only)	

Product Identification (Certification Label on Door):

System		
1-4	Certification agency	NAMI
	Manufacturer's name or code name	JELD-WEN
	Product name	Design Pro/Smooth Pro Glazed Inswing or Outswing Fiberglass Door w/ or w/o Sidelites
	Test standards	ASTM E330-02/E1886-05/E1996-06 Missile Level D

Compliance: The assemblies passed test criteria equivalent to ASTM E 330-14, ASTM E 1996-13a, and ASTM E 1996-14a.

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.

Installation:

System		
1	Type of installation	Install in accordance with drawing No. A010925, dated October 6, 2021. Signed and sealed by Joseph A. Reed, P.E. on November 16, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
2	Type of installation	Install in accordance with drawing No. A010927, dated October 6, 2021. Signed and sealed by Joseph A. Reed, P.E. on November 16, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
3	Type of installation	Install in accordance with drawing No. A010929, dated October 6, 2021. Signed and sealed by Joseph A. Reed, P.E. on November 16, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
4	Type of installation	Install in accordance with drawing No. A010931, dated October 6, 2021. Signed and sealed by Joseph A. Reed, P.E. on November 16, 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.