

Product Evaluation

DR438 | 0222

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-438

Effective Date: February 1, 2022

Re-evaluation Date: February 2026

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

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

General Description:

System	Description	Label Rating	Drawing Number
1	Design Pro/Smooth Pro/Studio Single Doors; X	MST: 12'5" x 8'2" +45 / -45 psf MST: 12'5" x 7'0" +50 / -50 psf	A010920
2	Design Pro/Smooth Pro/Studio Double Doors; XX		A010921
3	Design Pro/Smooth Pro/Studio Single Doors with Sidelites; OXO		A010922
4	Design Pro/Smooth Pro/Studio Double Doors with Sidelites; OXXO		A010923

Product Dimensions:

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

Components and Hardware:

System	Component	Quantity	Attachment Method
1-4	4" Butt Hinge	3 for 6'8" doors 4 for 8'0" doors	Install in accordance with the approved drawings. Signed and sealed by Joseph A. Reed, P.E. on December 7, 2021.
	Lock Strike Plate	1	
	Deadbolt Strike Plate	1	
	Kwikset Series 400 Lockset	1	
	Kwikset Series 780 Deadbolt	1	
	Hoppe HLS9000 Multipoint	1	
Rockwell Multipoint	1 for 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

Compliance: The products comply with ASTM E 330-14 as reference in the 2018 IRC and 2018 IBC.

Impact Resistance:

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

Installation:

System		
1	Type of installation	Install in accordance with drawing No. A010920, dated October 18, 2021. Signed and sealed by Joseph A. Reed, P.E. on December 7, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
2	Type of installation	Install in accordance with drawing No. A010921, dated October 19, 2021. Signed and sealed by Joseph A. Reed, P.E. on December 7, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
3	Type of installation	Install in accordance with drawing No. A010922, dated October 20, 2021. Signed and sealed by Joseph A. Reed, P.E. on December 7, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
4	Type of installation	Install in accordance with drawing No. A010923, dated October 20, 2021. Signed and sealed by Joseph A. Reed, P.E. on December 7, 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.