



Product Evaluation

DR439 | 1115

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: November 1, 2015

Re-evaluation Date: March 2018

Product Name: Design Pro / Smooth Pro Fiberglass, Glazed, Inswing and Outswing Hinged Single and Double Doors with or without Non-Impact Resistant Sidelites, Impact Resistant

Manufacturer: JELD-WEN Windows & Doors
3737 Lakeport Blvd.
Klamath Falls, OR 97601
(800) 535-3936

General Description:

System	Description	Label Rating	Design Pressure Rating	Drawing Number
1	Design/Smooth Pro Glazed Fiberglass Doors, Inswing and Outswing, X	MST: 3'-0" x 6'-8" & MST: 3'-0" x 8'-0" Missile Level D	+50 / -50 psf	A010925
2	Design/Smooth Pro Glazed Fiberglass Doors, Inswing and Outswing, XX	MST: 6'-0" x 6'-8" & MST: 6'-0" x 8'-0" Missile Level D	+50 / -50 psf	A010927
3	Design/Smooth Pro Glazed Fiberglass Doors, Inswing and Outswing, XO, OXO	MST: 9'-0" x 6'-8" & MST: 9'-0" x 8'-0" Missile Level D	+45 / -45 psf +50 / -50 psf	A010929
4	Design/Smooth Pro Glazed Fiberglass Doors, Inswing and Outswing, XXO, OXXO	MST: 12'-0" x 6'-8" & MST: 12'-0" x 8'-0" Missile Level D	+45 / -45 psf +50 / -50 psf	A010931

Overall Dimensions:

System	Maximum Overall Size
1	37-1/2" x 97-15/16"
2	74" x 97-15/16"
3	112-1/8" x 97-15/16"
4	148-3/4" x 97-15/16"

Door Dimensions:

System	Maximum Panel Size	Maximum Daylight Opening Size
1-4	35-3/4" x 95-1/4"	23-5/8" x 78-9/16"

Sidelite Dimensions:

System	Maximum Panel Size	Maximum Daylight Opening Size
1	N/A	N/A
2	N/A	N/A
3	35-3/4" x 95-1/4"	23-5/8" x 78-9/16"
4	35-3/4" x 95-1/4"	23-5/8" x 78-9/16"

Hardware:

System	Component	Quantity	Attachment Method
1-4	4" Butt Hinges	3 each for 6'-8" 4 each for 8'-0"	Secure to the door panel with four, No. 9 x 3/4" screws for 6'-8" doors and four, No. 9 x 1" for 8'-0" doors. Secure to the door frame jamb with three, No. 9 x 3/4" screws and one, No. 9 x 2-1/2" screw.
	Lock Strike Plate	1 required	Secure with two, No. 10 x 2" screws
	Deadbolt Strike Plate	1 required	Secure with two, No. 10 x 2" screws
	Kwikset Series 400 Lockset	1 required	Secure with two, No. 10 x 2" screws
	Kwikset Series 780 Deadbolt	1 required	Secure with two, No. 10 x 2" screws
	Hoppe Multipoint HLS9000	1 required for single and double door	Attached at the factory
	Rockwell Multipont	1 required for single door only	Attached at the factory

Threshold:

System	Description
1-4	Multiple thresholds can be used refer to approved drawings for usage pending limitations and door swing

Product Identification (Certification Agency Label on Door):

System		
1-4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	JELD-WEN
	Product Name	Design Pro /Smooth Pro Glazed Fiberglass Inswing or Outswing Fiberglass Door w/ or w/o Sidelites
	Test Standards	ASTM E330-02 ASTM E 1886-05/ASTM E 1996-06, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-4	Yes – Doors & Sidelites	The doors and sidelites satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the doors 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 the doors in accordance with drawing numbers A010925, A010927, A010929 and A010931, dated July 10, 2015, signed and sealed by Alexis Spyrou, PE on September 19, 2014.
	Wall Framing	
	Fasteners	
	Fastener Embedment	
	Fastener Location/Spacing	

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.