

## Product Evaluation

DR470 | 1222

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-470**Effective Date:** December 1, 2022**Re-evaluation Date:** December 2026

**Product Name:** W-2500 Aluminum Clad Wood Sliding Doors-Fixed Panel, Fin Installation, Non-Impact Resistant

**Manufacturer:** JELD-WEN Windows and Doors  
Research and Development  
3737 Lakeport Blvd.  
Klamath Falls, OR 97601  
(541) 850-2650

**General Description:**

System	Description	Label Rating	Design Pressure Rating
1	W-2500 Aluminum Clad Wood Sliding Doors-Fixed Panel (O)	LC-PG50 (50.125 x 95.5)-FD	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Fixed Panel Daylight Opening Size
1	50-1/4" x 95-1/2"	41-1/4" x 86-1/4"

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

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	JELD-WEN Windows & Doors
	Product name	W-2500 Clad Fixed Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17

**Impact Resistance:**

System	Impact Resistant	Requirement
1	No	These products have not been tested for windborne debris resistance. An impact protection system is required when installing this product in areas where windborne debris protection is required.

**Installation:**

System		
1	Type of installation	Nail Fin Installation
	Wall framing	Douglas Fir-Larch dimension lumber
	Fasteners	No. 8 PH screws
	Fastener location/spacing	Head/Side Jambs: 8" on center Sill: 12" on center
	Fastener penetration	Minimum of 1-1/2" into the wall framing

**Installation (One of the Following):**

**Fin Installation:** The wood wall framing members must be minimum Douglas Fir-Larch dimension lumber. The door assembly is secured to the wall framing with a nailing fin. The head is secured to the wall framing through the nailing fin using one (1) No. 8 pan head screw located 4-1/2" from each end and at the midspan. The side jambs are secured to the wall framing through the nailing fin using one (1) No. 8 pan head screw located 4-1/2" from each end and 17-1/2" on center. The sill is fully embedded in sealant. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Frame Installation (Screws):** The wood wall framing members must be minimum Douglas Fir-Larch dimension lumber. The door assembly is secured to the wall framing with No. 8 x 2-1/2" flat head wood screws. The head is secured to the wall framing through the frame using one (1) screw located 4-1/2" from each end and at the midspan. The side jambs are secured to the wall framing through frame using one (1) screw located 4-1/2" from each end and 17-1/2" on center. The sill is fully embedded in sealant. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Frame Installation (Steel Straps):** The wood wall framing members must be minimum Douglas Fir-Larch dimension lumber. The door assembly is secured to the wall framing with 20-gauge galvanized steel straps. The straps are secured to the door frame with two (2) No. 8 x 1/2" PPH screws and to the wall framing with two (2) No. 8 SPH screws. The head is secured to the wall framing using one (1) strap located 4-1/2" from each end and at the midspan. The side jambs are secured to the wall framing using one (1) strap located 4-1/2" from each end and 17-1/2" on center. The sill is fully embedded in sealant. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**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.