

Product Evaluation

DR1132 | 0721

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-1132

Effective Date: July 1, 2021

Re-evaluation Date: June 2023

Product Name: 2-1/4" Ultimate Wood and Aluminum Clad Wood Outswing French Door Sidelites, Impact Resistant

Manufacturer: Marvin
Hwy 11 West
Warroad, MN 56763
(800) 346-5044

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|--|--|------------------------|
| 1 | 2-1/4" Ultimate Clad Wood Outswing French Door Sidelites | LC-PG55 (37.43 x 119.5) Missile Level D | +55 / -65 psf |
| 2 | 2-1/4" Ultimate Wood Outswing French Door Sidelites | LC-PG55 (37.43 x 119.5) Missile Level D | +55 / -65 psf |

Product Dimensions:

| System | Overall Size | Fixed Panel Daylight Opening Size |
|--------|---------------------|-----------------------------------|
| 1-2 | 37-7/16" x 119-1/2" | 23-1/8" x 102-3/8" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------------------|---|
| 1-2 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Marvin |
| | Product Name | UL OSWFRDR SL 2.25 IZ3 (System 1) UL WD OSWFRDR 2.25 IZ3 (System 2) |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11,17 ASTM E1886-13a/E1996-14a Missile Level D |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|---|
| 1-2 | 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 (One of the Following):

Option 1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 8 x 3" screws. Locate the screws approximately 6" from each corner and spaced 12" on center along the head and side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option 2: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using structural galvanized steel brackets (20-gauge x 6"-8" long x 1-9/16" wide). Brackets were flipped as to not be engaged in the frame and located 6" from each corner and spaced 15" on center along the head and side jambs. Secure the bracket to the door frame with two (2) No. 7 x 5/8" screws and to the wall framing using two (2) No. 8 x 1-1/2" screws on the interior side. 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.