

Product Evaluation

DR321 | 0221

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-321

Effective Date: February 1, 2021

Re-evaluation Date: September 2022

Product Name: 2-1/4" Ultimate Prime Wood and Aluminum Clad Wood Outswing French Doors, Non-Impact Resistant

Manufacturer: Marvin
P.O. Box 100
Highway 11 West
Warroad, MN 56763
(218) 386-4021

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ultimate Clad Wood Outswing French Doors; XX	LC-PG55 (72.62 x 119.5)	+55 / -65 psf
2	Ultimate Prime Wood Outswing French Doors; XX	LC-PG55 (72.62 x 119.5)	+55 / -65 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1-2	72-5/8" x 119-1/2"	35-1/16" x 116-1/2"	23-3/32" x 102-3/8"

Components and Hardware:

- Hinges: six required, three per door panel; secure to the door panel with four No. 10 x 1-1/2" screws and to the door jamb with five No. 10 x 1" screws.
- Multipoint Lock with deadbolt (3-point): one required; located on the active panel; center latch and deadbolt into astragal strikes; shoot bolts at the head and sill
- Multipoint lock (2-point): one required; located on the passive panel; shoot bolts at the head and sill.
- Latch and deadbolt strike plates: one each required; secure with two No. 8 x 1" screws
- Shoot bolt strike plate at the head; one required; secure to the door frame with two No. 8 x 5/8" PFH screws
- Shoot bolt strike plate at the sill; one required; secure to the door frame with two No. 8 x 1" PFH screws.
- Stile end plate: four required, one at each end of the locking stiles; secured with one No. 8 x 3" FH screws.
- Sill strike reinforcement: Located inside the sill hollow at each lock stile
- IZ3 sill backer plate: Located at the sill at each locking stile.
- Header reinforcement: Located at the head at each locking stile; secured with two No. 8 x 1" PFH screws.

Product Identification (Certification Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL OSWFRDR 2.25
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
2	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL WD OSWFRDR 2.25
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-2	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The assembly is secured to the wall framing with No. 8 x 3" screws along the head and side jambs and No. 10 x 3" screws along the sill. Along the head and side jambs, locate the screws approximately 6" from each corner and 12" on center. Along the sill, locate one screw at the midspan and one screw approximately 3-1/8" from each side of the midspan. The sill was also used construction adhesive. 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.