

Product Evaluation

DR313 | 0122

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-313

Effective Date: January 1, 2022

Re-evaluation Date: December 2023

Product Name: Ultimate Prime Wood Inswing Glazed Side Hinged 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 Prime Wood Inswing Side Hinged French Doors; OXXO	LC-PG30 (167 x 95.5)	+30 / -30 psf
2	Ultimate Prime Wood Inswing Side Hinged French Doors; OXXO	LC-PG40 (143 x 95.5)	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	167" x 95-1/2"	41-1/16" x 92-1/2"	31-5/8" x 83"
2	143" x 95-1/2"	35-1/16" x 92-1/2"	25-5/8" x 83"

Components and Hardware:

- **Hinges:** Six (6) required; Secure to the door panel and door jamb with four (4) minimum No. 9 x 1" screws
- **Multipoint lock with deadbolt (3-pt.):** One (1) required; located on the active door panel lock stile
- **Multipoint lock (2-pt.):** One (1) required; located on the passive door panel stile
- **Latch and Deadbolt Strike Plates:** 1 each required; secure with two (2) minimum No. 8 x 1" screws
- **Shoot Bolt Strike Plate:** One (1) required; Secure with two (2) minimum No. 8 x 1" screws; located at the head and sill.
- **Sill Bolts:** Two (2) required; secure with two (2) minimum No. 8 x 3" screws; locate one at each mull post.

Product Identification (Certification Label on Door):

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

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:

System 1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using masonry brackets. Brackets must be minimum 1-9/16" x 6"-10" x 0.050" and made of galvanized steel. Secure the brackets to the door frame using one (1) minimum No. 7 x 5/8" screw and to the wall framing using two (2) minimum No. 8 x 1-1/2" screws. Locate the brackets approximately 6" from each corner and 12" on center along the head and side jambs. At the sill, use one (1) minimum No. 8 screw at each meeting stile. Fasteners must be long to penetrate a minimum of 1-1/2" into the wall framing members.

System 2

Option #1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using minimum No. 8 x 3" screws spaced approximately 6" from each corner and 12" on center along the head and side jambs. At the sill, use minimum No. 3 screws at each mull post location and at the mid-span. Use two (2) minimum No. 8 x 1-1/2" screws through the bottom of each shoot bolt retainer. 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 masonry brackets. Brackets must be minimum 1-9/16" x 6"-10" x 0.050" and made of galvanized steel. Secure the brackets to the door frame using two (2) minimum No. 7 x 5/8" screws and to the wall framing using two (2) minimum No. 8 x 1-1/2" screws. Locate the brackets approximately 6" from each corner and 12" on center along the head and side jambs. At the sill, use minimum No. 3 screws at each mull post location and at the mid-span. Use two (2) minimum No. 8 x 1-1/2" screws through the bottom of each shoot bolt retainer. 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.