TDI | Texas Department of Insurance

PO Box 12030 | Austin, TX 78711 | 800-578-4677 | tdi.texas.gov

Product Evaluation

DR846 | 0521

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-846

Effective Date: May 1, 2021
Re-evaluation Date: January 2025

Product Name: Ultimate Prime Wood and Aluminum Clad Wood Outswing Hinged French Doors, 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	Clad Wood Outswing French Doors; OX	LC-PG55 (72.63 x 95.5) Missile Level D	+55 / -65 psf
2	Clad Wood Outswing French Doors; XX	LC-PG55 (72.63 x 95.5) Missile Level D	+55 / -65 psf
3	Prime Wood Outswing French Doors; OX	LC-PG55 (72.63 x 95.5) Missile Level D	+55 / -65 psf
4	Prime Wood Outswing French Doors; XX	LC-PG55 (72.63 x 95.5) Missile Level D	+55 / -65 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1-4	72-5/8" x 95-1/2"	35-1/16" x 92-1/2"	25-5/8" x 79-5/8"

Components and Hardware:

- **Hoppe Multipoint lock with deadbolt (3-point):** one required; located on the active panel
- **Hoppe Multipoint lock (2-point):** one required; located on the inactive panel
- **Hinges:** three required per panel; secure to the door panel with four No. 10 x 1-1/2" and to the door jamb with four No. 10 x 1" screws and one No. 10 x 2-1/2" screw.
- **Strike Plate**; two required; located on the inactive panel stile; secure with two No. 8 x 1" screws
- **Strike Plate**; two required; located at the head; secure to head jamb with two No. 8 x 3" screws
- **Strike Plate**; two required; located at the sill; secure to sill with two No. 8 x 5/8" screws

Product Identification (Certification Label on Door):

System		
1-2	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL OS FRDR IZ3
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11 ASTM E1886-05/E1996-12 Missile Level D
3-4	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL WD OSW FRDR IZ3
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-05/E1996-12 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-4	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:

Option 1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing through the head and side jambs with No. 8 x 3" screws and through the sill with No. 10 x 3" screws. Along the head and side jambs, locate the fasteners approximately 6" from each corner and 12" on center. Along the sill, locate three fasteners through the sill liner at the midspan. One No. 10 x 2-1/2" screw was installed through

each hinge. 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 with steel structural brackets (1-9/16" x 6-1/2" x 0.050") along the head and side jambs. Locate the brackets approximately 6" from each corner and 15" on center. Secure the brackets to the door frame with two No. 8 x 5/8" screws and to the wall framing with four No. 8 x 1-1/2" screws. In addition, use three No. 10 x 3" screws though the sill liner at the midspan of the sill. One No. 10 x 2-1/2" screw was installed through each hinge. 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.