

Product Evaluation

DR1209 | 1121

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-1209

Effective Date: November 1, 2021

Re-evaluation Date: December 2022

Product Name: Ultimate 2-1/4" Prime Wood and Aluminum Clad Wood Inswing 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	Ultimate 2-1/4" Prime Wood Inswing Hinged French Door; XX	LC-PG55 (72.63 x 119.5) Missile Level D	+55 / -65 psf
2	Ultimate 2-1/4" Clad Wood Inswing Hinged French Door; XX	LC-PG55 (72.63 x 119.5) Missile Level D	+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"	23-1/8" x 102-3/8"

Components and Hardware:

- **Hinges:** six required; secure to the door panel with four (4) No. 10 x 1-1/2" screws and to the door jamb with five (5) No. 10 x 1" screws.
- **Multipoint lock:** one required; shot bolt at head and sill; located on the passive panel
- **Multipoint lock with deadbolt:** one required; center latch with deadbolt and shoot bolts at head and sill; located on the active panel
- **Head Strike;** Two required; two (2) No. 10 x 3" PH FH screws
- **Stile end plate:** four required, one at each end of the locking stiles
- **Sill strike backer plate:** two required; located inside the sill at each lock stile; two No .8 x 1/2" screws.

Product Identification (Certification Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL WD INS FRDR 2.25 IZ3
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886/E1996-02,05 Missile Level D
2	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL INS FRDR 2.25 IZ3
	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:

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. Along the head and side jambs, locate the screws approximately 6" from each corner and 12" on center. Along the sill, use three No. 10 x 3" screws located through the oak liner into the wall framing at the center of the sill spaced 3-1/8" apart. The sill was also set on top of three (3) beads of constructive 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.