

Product Evaluation

DR1202 | 1021

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-1202

Effective Date: October 1, 2021

Re-evaluation Date: October 2025

Product Name: Modern Fiberglass Aluminum Clad Side Hinged Doors, Inswing and Outswing, 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	Modern Outswing Hinged Door, Low Profile Sill; OX	LC-PG30 (96 x 120)	+30 / -30 psf
2	Modern Outswing Hinged Door, Low Profile Sill; XX	LC-PG30 (96 x 120)	+30 / -30 psf
3	Modern Outswing Hinged Door, Performance Sill; XO	LC-PG40 (96 x 120)	+40 / -40 psf
4	Modern Outswing Hinged Door, Performance Sill; XX	LC-PG40 (96 x 120)	+40 / -40 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
5	Modern Inswing Hinged Door, Low Profile Sill; OX	LC-PG30 (96 x 120)	+30 / -30 psf
6	Modern Inswing Hinged Door, Low Profile Sill; XX	LC-PG30 (96 x 120)	+30 / -30 psf
7	Modern Inswing Hinged Door, Performance Sill; XO	LC-PG40 (96 x 120)	+40 / -40 psf
8	Modern Inswing Hinged Door, Performance Sill; XX	LC-PG40 (96 x 120)	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1, 3, 5, 7	96" x 120"	46-15/16" x 117-1/4"	40-3/16" x 110-1/2"
2, 4, 6, 8	96" x 120"	46-15/16" x 117-1/4"	N/A

Components and Hardware:

- **Hinges:** four (4) required per active door panel; 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.
- **Multi-Point Lock with Deadbolt (3 point):** one (1) required; shoot bolts at top and bottom; located on the active panel.
- **Multi-Point Strike Plate:** one required; located on the passive panel; two (2) No. 8 x 1/2" screws.
- **Multi-Point Lock (2 point):** one required; shoot bolts at top and bottom; located on the passive panel.
- **Strike Plate:** one (1) required; located on the head jamb; two (2) No. 8 x 3" screws.
- **Strike Plate:** one (1) required; located on the sill; three (3) No. 8 x 1/2" screws.
- **Panel Alignment Bolt:** four (4) required.
- **Lock Status Sensor Transmitter Housing:** one (1) required; located above the bottom hinge on the active panel.

Product Identification (Certification Label on Door):

System		
1-2	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	MDRN OSW DR LPS
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17

Product Identification (Certification Label on Door):

System		
3-4	Certification agency	WMDA
	Manufacturer's name or code name	Marvin
	Product name	MDRN OSW DR PS
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17
5-6	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	MDRN INS DR LPS
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17
7-8	Certification agency	WMDA
	Manufacturer's name or code name	Marvin
	Product name	MDRN INS DR PS
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17

Impact Resistance:

System	Impact Resistant	Requirement
1-8	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 door assembly is secured to the wall framing with No. 10 x 3" screws. Along the head and side jambs, locate the fasteners approximately 6" and 9" from each corner and 20" on center. Secure the sill with No. 8 screws through the sill support spaced approximately 12" on center. Use two (2) No. 8 x 3" screws through each panel alignment bolt, through the side jamb. Use two (2) No. 8 x 3" screws through the head jamb strike plate. 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.