TDI | Texas Department of Insurance

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

Product Evaluation

DR860 | 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-860

Effective Date: October 1, 2021
Re-evaluation Date: August 2025

Product Name: 2-1/4" Ultimate Aluminum Clad Wood Multi-Slide 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 Clad Wood Multislide Pocket Door; PXX	LC-PG55 (142.35 x 96.5) Missile Level D	+55 / -65 psf
2	Ultimate Clad Wood Multislide Stacked Door; OX-XO	LC-PG55 (180.76 x 96.5) Missile Level D	+55 / -65 psf
3	Ultimate Clad Wood Multislide Pocket Door; PXX	LC-PG55 (142.35 x 120.5) Missile Level D	+55 / -65 psf
4	Ultimate Clad Wood Multislide Stacked Door; OXX	LC-PG55 (133.57 x 120.5) Missile Level D	+55 / -65 psf
5	Ultimate Clad Wood Multislide Stacked Door; OX-XO	LC-PG50 (180.76 x 120.5) Missile Level D	+50 / -55 psf

Product Dimensions:

System	Overall size	Panel Size	Panel Daylight Opening Size
1	142-3/8" x 96-1/2"	Door: 47-1/16" x 92-1/2" Pocket: 48-5/16" x 92-1/2"	37-9/16" x 83"
2	180-3/4" x 96-1/2"	47-1/16" x 92-1/2"	37-9/16" x 83"
3	142-3/8" x 120-1/2"	Door: 47-1/16" x 116-1/2" Pocket: 48-5/16" x 116-1/2"	37-9/16" x 107"
4	133-1/2" x 120-1/2"	47-1/16" x 116-1/2"	37-9/16" x 107"
5	180-3/4" x 120-1/2"	47-1/16" x 116-1/2"	37-9/16" x 107"

Product Identification (Certification Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL MLTSLDDR PKT IZ3
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-05/E1996-12; Missile Level D
2	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL MLTSLDDR STK IZ3
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-05/E1996-12; Missile Level D
3	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL MLTSLDDR PKT IZ3
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-13a/E1996-14a Missile Level D
4-5	Certification agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	UL MLTSLDDR STK IZ3
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-13a/E1996-14a Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-5	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:

Systems 1, 3: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing with No. 8 x 3" screws. Along the head and pocket jamb, locate two (2) rows of screws approximately 6" from each corner and spaced 20" on center. Along the locking jamb, locate the screws approximately 6" from each corner and 20" on center, and one (1) screw at the top and bottom of each side jamb through wood filler. Use two (2) rows of No. 8 x 3" through each pocket interlock located 6" from each corner and 12" on center. Use four (4) No. 8 x 2-1/2" screws through the lock strike. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing with No. 8 x 3" screws. Along the head, locate two (2) rows of screws approximately 6" from each corner and spaced 20" on center. Along the side jambs, locate the screws approximately 6" from each corner and 20" on center, and one (1) screw at the top and bottom of each jamb through wood filler. The stationary brackets (1.238" x 0.969" x 0.125" aluminum) are secured to the wall framing with two (2) No. 8 x 2-1/2" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Sill:

- w/ foam slope: use four rows of No. 8 x 3" screws located 20" on center
- w/ wood slope: use four rows of No. 8 x 1-3/4" screws located 20" on center

Systems 4-5: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing with No. 8 x 3" screws. Along the head, locate two (2) rows of screws approximately 6" from each corner and spaced 20" on center. Along the side jambs, locate the screws approximately 6" from each corner and 20" on center, and one (1) screw at the top and bottom of each jamb through wood filler. Secure the lock strike with four (4) No. 8 x 2-1/2" screws. The sill is secured with four (4) rows of No. 8 x 1-3/4" screws located 20" on center across the width of sill. The stationary brackets (1.238" x 0.969" x 0.125" aluminum) are secured to the wall framing with two (2) No. 8 x 2-1/2" screws. 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.