TDI | Texas Department of Insurance

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

Product Evaluation

DR1268 | 0224

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-1268

Effective Date: February 1, 2024
Re-evaluation Date: February 2028

Product Name: Infinity Outswing Bifold Door, 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	Infinity Fiberglass Outswing Bifold Door Tested Size: 151.7 X 95.5	LC-PG30-FLD	+30 / -30 psf
2	Infinity Fiberglass Outswing Bifold Door Tested Size: 39.3 X 95.5	LC-PG30-FLD	+30 / -30 psf

Product Dimensions:

System	Overall Size	Panel Size
1	151.7" x 95.5"	37.1" x 90.6" (x4)
2	39.3" x 95.5"	37.4" x 90.6"

Hardware:

System	Hardware
1	**Pivots:** four (4) required; located at the non-locking jambs, two inside each. **Intermediate Hardware Set**: one (1) required; located in between panel two and three. **Primary Multipoint**: one (1) required; located on primary operator panel. **Secondary Multipoint**: one (1) required; located on secondary operator panel. **Twin Bolt:** one (1) required; located on panel one.
2	**Panel Clips:** fourteen (14) required; seven evenly spaced on both jambs.

Product Identification (Certification Label on Door):

System		
1-2	Certification Agency	WDMA
	Manufacturer's name or code name	Marvin
	Product name	Infinity Bifold Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11, 17

Impact Resistance:

System	Impact Resistant	Requirement
1-2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

Installation:
The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to door frame as following,

System 1:
Head Jamb: 5/16" x 3-1/8" screw; five fasteners are placed 3-51/64" and evenly spaced at 3" off both ends, and the remaining fasteners are evenly spaced at a max distance of 10".

Head Jamb: #8 x 3" screw; fasteners are placed 5-47/64" off-end and evenly spaced at a max distance of 20".

Side Jambs: #8 x 2-1/2" screw; fasteners are placed 8" off-end from the head jamb, 9-1/2" off-end from the sill, and evenly spaced at a max distance of 19-1/2".

Sill: #8 x 1-1/2" screw; fasteners are placed 5" off-end and evenly spaced at a max distance of 15".

System 2:
Head Jamb: 5/16" x 3-1/8" screw; two fasteners are placed 3-51/64" and 12-51/64" off both ends.

Head Jamb: #8 x 3" screw; fasteners are placed 5-47/64" off both ends.
Side Jambs: #8 x 2-1/2" screw; fasteners are placed 8" off-end from the head jamb, 9-1/2" off-end from the sill, and evenly spaced at a max distance of 13".

Sill: #8 x 1-1/2" screw; fasteners are placed 5" off-end and evenly spaced at a max distance of 15".

For both systems, jamb, head jamb, and sill fastener holes are predrilled.

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.