

Product Evaluation

DR260 | 0621

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-260

Effective Date: June 1, 2021

Re-evaluation Date: June 2025

Product Name: Barrington Fiberglass, Glazed and Opaque, Inswing and Outswing, Side Hinged Doors, with or without Sidelites, Non-Impact Resistant

Manufacturer: Masonite International
1955 Powis Road
West Chicago, IL 60185
(630) 584-6330

General Description:

System	Description	Design Pressure Rating
1	Glazed Outswing Hinged Double Doors with Sidelites; OXXO	+47 / -45 psf
2	Opaque Outswing Hinged Double Doors with Sidelites; OXXO	+47 / -45 psf
3	Glazed Inswing Side Hinged Double Door with Sidelites; OXXO	+40 / -47 psf
4	1/4 Glazed Outswing Side Hinged Double Door with 1/4 Glazed Sidelites; OXXO	+47 / -45 psf
5	Opaque Inswing Single Door; X	+65 / -65 psf

Product Dimensions:

System	Overall Size	Maximum Panel Size	Fixed Panel Daylight Opening Size
1	117" x 96-3/4"	42-3/8" x 95-1/4"	Door: 26-1/4" x 60-1/4" Sidelite: 5-1/2" x 77-3/4"
2	117" x 96-3/4"	42-3/8" x 95-1/4"	Door: N/A Sidelite: 5-1/2" x 77-3/4"
3	117" x 97-3/4"	42-3/8" x 95-1/4"	Door: 26-1/4" x 60-1/4" Sidelite: 5-1/2" x 77-3/4"
4	105" x 80-3/4"	35-3/4" x 79-1/4"	Door: 24-3/4" x 15-3/4" Sidelite: 7-3/4" x 15-3/4"
5	43-1/2" x 97-1/2"	41-3/4" x 95-1/4"	N/A

Components and Hardware:**System 1-4**

- **Hinges:** six required, three per door panel; secure to the door panel with four No. 10 x 3/4" screws, and to the door jamb with two No. 10 x 3/4" and two No. 10 x 2-1/2" screws.
- **Lockset:** minimum grade 3 rating as defined by ANSI/BHMA A156.2; located on the active door panel
- **Deadbolt:** grade 1 rating as defined by ANSI/BHMA A156.36; located on the active door panel
- **Strike plate-lockset:** one required; secure with two No. 8 x 2-1/2" screws.
- **Strike plate-deadbolt:** one required; secure with two No. 8 x 2-1/2" screws.

System 5

- **Hinges:** four required; secure to the door panel with four No. 10 x 3/4" screws, and to the door jamb with two No. 10 x 3/4" and two No. 10 x 2-1/2" screws.
- **Lockset:** minimum grade 2 rating as defined by ANSI/BHMA A156.2; located on the active door panel
- **Deadbolt:** grade 1 rating as defined by ANSI/BHMA A156.36; located on the active door panel
- **Strike plate-lockset:** one required; secure with two No. 8 x 2-1/2" screws.
- **Strike plate-deadbolt:** one required; secure with two No. 8 x 2-1/2" screws.

Thresholds:

- Outswing: 1" high aluminum bump threshold (Systems 1-2, 4)
- Inswing: 1-3/8" high aluminum adjustable threshold (System 3)
- Inswing: 1-1/4" high aluminum adjustable threshold (System 3)
- Any type of inswing threshold may be used (System 5)

Product Identification (Certification Label on Door):

System		
1-4	Manufacturer's name	Masonite
	Product name	Barrington Fiberglass Door Unit w/ or w/o Sidelites Inswing or Outswing Config: X, XX, OX, XO, OXO, OXXO Max. Nominal Size: 9'9" x 8'0"
	Test standards	ASTM E330-02
5	Manufacturer's name	Masonite
	Product name	Barrington Fiberglass Door Unit Inswing Config: X Max. Nominal Size: 3'8" x 8'0"
	Test standards	ASTM E330-02

Compliance: The products comply with ASTM E 330-14 as reference in the 2018 IRC and 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris.

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

Sidelites: Sidelites must only be used with doors. Sidelites must not be installed individually.

Installation:

System 1-3: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with minimum No. 10 x 2-1/2" screws. Along the side jambs, locate the screws approximately 6" from each corner and 17" on center. Along the head and sill, locate the screws approximately 6" from each corner, 3" and 6" on each side of the mullion and astragal, and one at the centerline of each door panel. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 4: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with minimum No. 10 x 2-1/2" screws. Along the side jambs, locate the screws approximately 6" from each corner and 14" on center. Along the head and sill, locate the screws approximately 6" from each corner, 3" and 6" on each side of the mullion and astragal, and one at the centerline of each door panel. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 5: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with minimum No. 10 x 2-1/2" screws. Along the side jambs, locate the screws approximately 6" from each corner and 14" on center. Along the head and sill, locate the screws approximately 6" from each corner. 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.