

## Product Evaluation

DR1246 | 0622

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-1246

**Effective Date:** June 1, 2022

**Re-evaluation Date:** June 2026

**Product Name:** 6'-8" and 8'-0" Powered and Connected Fiberglass Hinged Doors, Glazed or Opaque, Inswing, Singles with Sidelites, Non-Impact Resistant

**Manufacturer:** Masonite International  
1955 Powis Road  
West Chicago, IL 60185  
(800) 663-3667

### General Description:

System	Description	Design Pressure Rating
1	9'-3" x 6'-8" Glazed Inswing Single Door with Sidelites; OXO	+50 / -50 psf
2	9'-3" x 6'-8" Opaque Inswing Single Door with Sidelites; OXO	+50 / -50 psf
3	9'-3" x 8'-0" Glazed Inswing Single Door with Sidelites; OXO	+40 / -40 psf
4	9'-3" x 8'-0" Opaque Inswing Single Door with Sidelites; OXO	+40 / -40 psf

**Product Dimensions:**

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	111" x 81-3/4"	35-3/4" x 79-1/4"	Door & Sidelite: 25" x 63"
2	111" x 81-3/4"	35-3/4" x 79-1/4"	Door: N/A Sidelite: 21" x 63"
3	111" x 97-7/8"	35-3/4" x 95-1/4"	Door & Sidelite: 25" x 79"
4	111" x 97-7/8"	35-3/4" x 95-1/4"	Door: N/A Sidelite: 21" x 79"

**Hardware:**

- **Residential 4" Butt Hinges:** three (3) required for Systems 1-2, four required for Systems 3-4; secure to the door frame with two (2) No. 10 x 5/8" screws and two (2) No. 10 x 2-1/2" screws, secure to the door panel with four (4) No. 10 x 1" screws.
- **Deadbolt:** one (1) required; Yale Assure (YRD) or minimum grade 2 rating as defined by ANSI/BHMA A156.36; located on door lock stile
- **Handleset:** one (1) required; Yale Ridgefield or minimum grade 2 rating as defined by ANSI/BHMA A156.2; located on door lock stile
- **Strike plate- Lock and Deadbolt:** one of each required; located on the door jamb; secure with two (2) minimum No. 8 x 2" PFH screws
- **LED Strip Light:** one optional; located at the frame head
- **LED Spot Light:** two optional; located at the frame lock jamb
- **Doorbell/Motion Detector Assembly:** one required; located on the door lock stile

**Thresholds:**

1.375" high

**Product Identification (Certification Label on Door):**

System		
1-2	Certification Agency	NAMI
	Manufacturer's name or code name	Masonite
	Product name	Powered and Connected 6'-8" Inswing Fiberglass Opaque or Glazed Single Door w/ or w/o Sidelites Config: X, OX, XO, OXO Max. Nominal Size: 9'-3" x 6'-8"
	Test standards	ASTM E330-02; TAS 202-94

**Compliance:** Products comply with ASTM E 330-14 as specified in the 2018 IRC and the 2018 IBC.

**Product Identification (Certification Label on Door):**

System		
3-4	Certification Agency	NAMI
	Manufacturer's name or code name	Masonite
	Product name	Powered and Connected 8'-0" Inswing Fiberglass Opaque or Glazed Single Door w/ or w/o Sidelites Config: X, OX, XO, OXO Max. Nominal Size: 9'-3" x 8'-0"
	Test standards	ASTM E330-02; TAS 202-94

**Compliance:** Products comply with ASTM E 330-14 as specified in the 2018 IRC and the 2018 IBC.

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 3	No	Provide an impact protective system when installing the product in areas that require windborne debris.
2, 4	No	Impact protective system not required for opaque doors

**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:** Only use sidelites with doors. Do not install sidelites individually.

**Installation:**

**Systems 1-2:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with 18-gauge (0.051" x 1.375") steel straps. Secure the straps to the door frame with four (4) No. 8 x 3/4" screws and to the wall framing with two (2) No. 8 screws. Along the side jambs, locate the straps approximately 6" from each corner and three (3) straps evenly spaced thereafter, totaling five (5) straps. Along the head, locate the straps 6" from each corner and 6" on either side of the mullion. Additionally, secure the head with No. 10 x 2-1/2" PFH screws spaced 5" and 8" from the mullion over the doors only (not over sidelites). Secure the sill with No. 10 x 2" PFH screws located 3" from each corner and 3" and 6" from each side of the mullion. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 3-4:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with 18-gauge (0.051" x 1.375") steel straps. Secure the straps to the door frame with four (4) No. 8 x 3/4" screws and to the wall framing with two (2) No. 8 screws. Along the side jambs, locate the straps approximately 6" from each corner and four (4) straps evenly spaced thereafter, totaling six (6) straps. Along the head,

locate the straps 6" from each corner and 6" on either side of the mullion. Secure the sill with No. 10 x 2" PFH screws located 3" from each corner and 3" and 6" from each side of the mullion. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Concrete framing:** If the frame is attached to concrete, substitute minimum 3/16" diameter flat head concrete anchors. Embed the anchor a minimum of 1-1/4" into the concrete.

**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.