

## Product Evaluation

DR1111 | 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-1111

**Effective Date:** June 1, 2021

**Re-evaluation Date:** June 2025

**Product Name:** 8'-0" Glazed or Opaque Fiberglass Hinged Doors, Inswing and Outswing, Doubles with 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	9'-9" x 8'-0" Opaque Inswing Double Door with Sidelites (OXXO)	+40 / -40 psf
2	9'-9" x 8'-0" Glazed (22" x 80") Outswing Double Door with Sidelites (OXXO)	+40 / -35 psf
3	9'-9" x 8'-0" Opaque Outswing Double Door with Sidelites (OXXO)	+45 / -45 psf
4	9'-9" x 8'-0" Glazed (22" x 80") Inswing Double Door with Sidelites (OXXO)	+35 / -35 psf

**Product Dimensions:**

System	Overall Size	Panel Size	Panel Daylight Opening Size
1, 4	Inswing: 117" x 97-3/4"	Door: 42-3/8" x 95-1/4" Sidelite: 14" x 95-1/4"	Door: N/A (System 1) Door: 21" x 79" (System 4) Sidelite: 6" x 79"
2-3	Outswing: 117" x 96-5/8"	Door: 42-3/8" x 95-1/4" Sidelite: 14" x 95-1/4"	Door: 21" x 79" (System 2) Door: N/A (System 3) Sidelite: 6" x 79"

**Components and Hardware:**

- **Residential 4" Hinges:** Secure to the door panel with four minimum No. 10 x 1" PFH screws, and to the door panel with three minimum No. 10 x 5/8" and one No. 10 x 2-1/2" PFH screws
  - Eight (8) required for Systems 1-2
  - Six (6) required for Systems 3-4
- **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:** one of each required; secure with two minimum No. 8 x 2" PFH screws
- **Astragal strike- strike plate at the head:** secure with two minimum No. 8 x 3" PFH screws
- **Astragal strike-sill retainer hole:** drill hole through sill deep enough for a 1-3/8" throw

**Thresholds:**

Inswing: 5.625" wide x 1.375" high (Systems 1, 4)

Outswing: 4.56" wide x 0.962" high (Systems 2-3)

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

System		
1, 3	Manufacturer	Masonite
	Product name	Fiberglass Opaque 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 E330-14
2, 4	Certification agency	Masonite
	Product name	Fiberglass Glazed 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 E330-14

**Impact Resistance:**

System	Impact Resistant	Requirement
1-4	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:** Only use sidelites with doors. Do not install sidelites individually.

**Installation:**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using minimum No. 10 x 2-1/2" PFH wood screws. Along the head and sill, locate screws approximately 3" and 6" on each side of the mullion, 3" and 6" on each side of the astragal. Along the head, locate one screw at the centerline of each door panel. Along the side jambs, locate the screws approximately 6" from each corner and evenly spaced thereafter totaling six 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.