

## Product Evaluation

DR1278 | 0424

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-1278

**Effective Date:** April 1, 2024

**Re-evaluation Date:** April 2028

**Product Name:** Masonite Performance Door System 6'-8" and 8'-0" Flush Glazed Fiberglass Side Hinged Doors, Inswing & Outswing, with or without Sidelites, Composite Frame Impact Resistant

**Manufacturer:** Masonite  
1242 East 5<sup>th</sup> Avenue  
Tampa, FL 33605  
(800) 663-3667

### General Description:

System	Description	Design Pressure
1	8'-0" Flush Glazed Outswing Double Door; XX	+40 / -40 psf Missile Level D
2	6'-8" Flush Glazed Outswing Double Door; XX	+50 / -50 psf Missile Level D
3	6'-8" Flush Glazed Inswing Door with Sidelite; OXO	+50 / -50 psf Missile Level D
4	6'-8" Flush Glazed Outswing Door with Sidelite; OXO	+50 / -50 psf Missile Level D
5	8'-0" Flush Glazed Inswing Door with Sidelite; OXO	+40 / -40 psf Missile Level D
6	8'-0" Flush Glazed Outswing Door with Sidelite; OXO	+40 / -40 psf Missile Level D

**Product Dimensions:**

System	Overall Size	Panel Daylight Opening Size
1	74" x 96-5/8"	Door: 25" x 79" Sidelite: 37-3/8" x 79"
2	74" x 80-5/8"	Door: 25" x 63" Sidelite: N/A
3	112" x 81-3/4"	Door&: 25" x 63" Sidelite: 37-3/8" x 63"
4	112" x 80-5/8"	Door&: 25" x 63" Sidelite: 37-3/8" x 63"
5	112" x 97-7/8"	Door&: 25" x 79" Sidelite: 37-3/8" x 79"
6	112" x 96-5/8"	Door&: 25" x 79" Sidelite: 37-3/8" x 79"

**Components and Hardware:**

- **Hinges:** residential 4" hinge; secured to the door panel with four No. 10 x 1" PFH screws and to the door jamb with two No. 10 x 5/8" PFH screws and two No. 10 x 2-1/2" PFH screws.
  - Systems 1: eight (8) required
  - Systems 2: six (6) required
  - Systems 3 & 4: three (3) required
  - Systems 5 & 6: four (4) required
- **Multipoint:** Endura Panolock one required.
- **Lockset:** minimum grade 3 rating as defined by ANSI/BHMA A156.2; knob only required; locate on the active door panel.
- **Deadbolt:** grade 1 rating as defined by ANSI/BHMA A156.36; thumb turn and cylinder only required; locate on the active door panel.
- **Strike plate – Lockset:** one required; locate on the door jamb; secured with two, No. 8 x 2" PFH screws.
- **Strike plate – Deadbolt:** one required; locate on the door jamb; secured with two No. 8 x 2" PFH screws.
- **Astragal strike – strike plate at head:** Secure with two, No. 8 x 2" PFH screws.
- **Astragal strike – sill retainer hole:** drill hole through sill deep enough for a 1-3/8" screws extension bolt throw.
- **Bottom Rail Door Sweep:** One at the bottom of each door.

**Thresholds:**

- Outswing: 4.563" wide x 1.475" high aluminum threshold (Systems 1, 2, 4 & 6).
- Inswing: 4.563" wide x 1.280" high aluminum articulating threshold (Systems 3 & 5).

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

<b>System</b>		
1	Manufacturer name	Masonite
	Product name	MPDS Fiberglass Flush Glazed Outswing Double Door Unit Max. Nominal Size: 6'-0" x 8'-0"
	Test standards	ASTM E330-14, ASTM E1886-19 and ASTM E1996-20
2	Manufacturer name	Masonite
	Product name	MPDS Fiberglass Flush Glazed Outswing Double Door Unit Max. Nominal Size: 6'-0" x 6'-8"
	Test standards	ASTM E330-14, ASTM E1886-19 and ASTM E1996-20
3	Manufacturer name	Masonite
	Product name	MPDS Fiberglass Flush Glazed Inswing Door Unit w/ Sidelites Max. Nominal Size: 9'-0" x 6'-8"
	Test standards	ASTM E330-14, ASTM E1886-19 and ASTM E1996-20
4	Manufacturer name	Masonite
	Product name	MPDS Fiberglass Flush Glazed Outswing Door Unit w/ Sidelites Max. Nominal Size: 9'-0" x 6'-8"
	Test standards	ASTM E330-14, ASTM E1886-19 and ASTM E1996-20
5	Manufacturer name	Masonite
	Product name	MPDS Fiberglass Flush Glazed Inswing Door Unit w/ Sidelites Max. Nominal Size: 9'-0" x 8'-0"
	Test standards	ASTM E330-14, ASTM E1886-19 and ASTM E1996-20
6	Manufacturer name	Masonite
	Product name	MPDS Fiberglass Liplite Glazed Outswing Door Unit w/ Sidelites Max. Nominal Size: 9'-0" x 8'-0"
	Test standards	ASTM E330-14, ASTM E1886-19 and ASTM E1996-20

**Impact Resistance:**

<b>System</b>	<b>Impact Resistant</b>	<b>Requirement</b>
1-6	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.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations 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 using minimum No. 10 x 2-1/2" PFH screws. Along the head and sill, locate the screws approximately 6" from each outside corner, one at 3" and 6" on each side of the mullion, one at 3" and 6" on each side of the astragal, and one at the center of each door panel. Along the side jambs, locate the screws approximately 6" from each corner and space evenly, thereafter, totaling six screws per side jamb. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**Systems 3-6:** 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 screws. Along the head and the sill, locate the screws approximately 6" from the door corner and one at 3" and 6" on each side of the mullion. Along the side jambs of the door and sidelite, locate the screws approximately 6" from each corner and space evenly thereafter, totaling five screws along each side jamb. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**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.