

Product Evaluation

DR1276 | 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-1276

Effective Date: April 1, 2024

Re-evaluation Date: April 2028

Product Name: Masonite Performance Door System 6'-8" and 8'-0" Glazed and Opaque Fiberglass Side Hinged Doors, Inswing and Outswing, with or without Sidelites, Endura FrameSaver Non-Impact Resistant

Manufacturer: Masonite
1242 East 5th Avenue
Tampa, FL 33605
(800) 663-3667

General Description:

System	Description	Design Pressure
1	8'-0" Opaque Outswing Double Door; XX	+45 / -45 psf
2	8'-0" Glazed Outswing Double Door; XX	+35 / -35 psf
3	6'-8" Opaque Outswing Double Door; XX	+55 / -55 psf
4	6'-8" Glazed Outswing Double Door; XX	+40 / -40 psf
5	6'-8" Glazed Inswing Door with Sidelite; OXO	+35 / -35 psf
6	6'-8" Glazed Outswing Door with Sidelite; OXO	+40 / -40 psf
7	8'-0" Glazed Outswing Door with Sidelite; OXO	+40 / -40 psf
8	8'-0" Glazed Inswing Door with Sidelite; OXO	+35 / -35 psf
9	8'-0" Opaque Inswing Door with Sidelites; OXO	+45 / -45 psf
10	8'-0" Opaque Outswing Door with Sidelites; OXO	+45 / -45 psf

General Description (continued):

System	Description	Design Pressure
11	6'-8" Opaque Inswing Door with Sidelite; OXO	+55 / -55 psf
12	6'-8" Opaque Outswing Door with Sidelite; OXO	+55 / -55 psf

Product Dimensions:

System	Overall Size	Panel Daylight Opening Size
1	74" x 96-5/8"	N/A
2	74" x 96-5/8"	Door: 21" x 79" Sidelite: N/A
3	74" x 80-5/8"	N/A
4	74" x 80-5/8"	Door: 21" x 63" Sidelite: N/A
5	112" x 81-3/4"	Door & Sidelite: 21" x 63"
6	112" x 80-5/8"	Door& Sidelite: 21" x 63"
7	112" x 96-5/8"	Door& Sidelite: 21" x 79"
8	112" x 97-7/8"	Door& Sidelite: 21" x 79"
9	112" x 97-7/8"	Door: N/A Sidelite: 21" x 79"
10	112" x 96-5/8"	Door: N/A Sidelite: 21" x 79"
11	112" x 81-3/4"	Door: N/A Sidelite: 21" x 63"
12	112" x 80-5/8"	Door: N/A Sidelite: 21" x 63"

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 5, 6, 11, 12: three required
 - Systems 7-10: four required
 - Systems 3-4: six required
 - Systems 1-2: eight required
- **Lockset:** one required; locate on the active door panel min Grade 3 rating as defined by ANSI/BHMA A156.2

- **Deadbolt:** one required; locate on the active door panel min Grade 1 as defined by ANSI/BHMA A156.36
- **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.

Thresholds:

- Outswing: 1.350" high aluminum threshold (Systems 1-4, 6, 7, 10, 12)
- Inswing: 1.639" high aluminum articulating threshold (Systems 5, 8, 9, 11)

Product Identification (Manufacturer Label on Door):

System		
1	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Opaque Double Door Unit Outswing Config: XX Max. Nominal Size: 6'-0" x 8'-0"
	Test standards	ASTM E330-14
2	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Liplite Glazed Double Door Unit Outswing Config: XX Max. Nominal Size: 6' 0" x 8' 0"
	Test standards	ASTM E330-14
3	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Opaque Double Door Unit Outswing Config: XX Max. Nominal Size: 6'-0" x 6'-8"
	Test standards	ASTM E330-14
4	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Liplite Glazed Double Door Unit Outswing Config: XX Max. Nominal Size: 6'-0" x 6'-8"
	Test standards	ASTM E330-14

Product Identification (continued):

System		
5	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass LipLite Glazed Door Unit Inswing Config: OXO Max. Nominal Size: 9'-0" x 6'-8"
	Test standards	ASTM E330-14
6	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass LipLite Glazed Door Unit Outswing Config: OXO Max. Nominal Size: 9'-0" x 6'-8"
	Test standards	ASTM E330-14
7	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Liplite Glazed Door Unit Outswing Config: OXO Max. Nominal Size: 9'-0" x 8'-0"
	Test standards	ASTM E330-14
8	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Liplite Glazed Door Unit Inswing Config: OXO Max. Nominal Size: 9'-0" x 8'-0"
	Test standards	ASTM E330-14
9	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Opaque Door Unit Inswing Config: OXO Max. Nominal Size: 9'-0" x 8'-0"
	Test standards	ASTM E330-14
10	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Opaque Door Unit Outswing Config: OXO Max. Nominal Size: 9'-0" x 8'-0"
	Test standards	ASTM E330-14
11	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Opaque Door Unit Inswing Config: OXO Max. Nominal Size: 9'-0" x 6'-8"
	Test standards	ASTM E330-14
12	Manufacturer's name	Masonite
	Product name	MPDS Fiberglass Opaque Door Unit Outswing Config: OXO Max. Nominal Size: 9'-0" x 6'-8"
	Test standards	ASTM E330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-12	No	Provide an impact protective system when installing glazed fenestration 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 in this report.

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

Installation:

Systems 1-4: 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 5-12: 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.