

Product Evaluation

DR1048 | 0920

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-1048

Effective Date: September 1, 2020

Re-evaluation Date: September 2024

Product Name: 6'-8" and 8'-0" Steel Glazing Frame 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	12'-0" x 6'-8" Glazed (24" x 36-3/4") Outswing Double Door with Sidelites (OXXO)	+45 / -45 psf
2	12'-0" x 6'-8" Glazed (22" x 64") Outswing Double Door with Sidelites (OXXO)	+50 / -50 psf
3	12'-0" x 6'-8" Glazed (24" x 36-3/4") Inswing Double Door with Sidelites (OXXO)	+45 / -45 psf
4	12'-0" x 6'-8" Glazed (22" x 64") Inswing Double Door with Sidelites (OXXO)	+50 / -50 psf
5	9'-9" x 8'-0" Glazed (28-3/4" x 47-3/4") Outswing Double Door with Sidelites (OXXO)	+47 / -40 psf
6	8'-9" x 8'-0" Glazed (22" x 64") Outswing Double Door with Sidelites (OXXO)	+40 / -40 psf

General Description (Continued):

System	Description	Design Pressure Rating
7	8'-9" x 8'-0" Glazed (22" x 64") Inswing Double Door with Sidelites (OXXO)	+40 / -40 psf
8	9'-9" x 8'-0" Glazed (28-3/4" x 47-3/4") Inswing Double Door with Sidelites (OXXO)	+40 / -47 psf
9	9'-9" x 8'-0" Opaque Inswing Double Door with Sidelites (OXXO)	+40 / -45 psf
10	9'-9" x 8'-0" Opaque Outswing Double Door with Sidelites (OXXO)	+50 / -45 psf

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	148-7/8" x 80-3/4"	35-3/4" x 79-1/4"	Door and Sidelite: 21" x 63"
2	148-7/8" x 80-3/4"	35-3/4" x 79-1/4"	Door: 23" x 35-3/4" Sidelite: 21" x 63"
3	148-7/8" x 81-3/4"	35-3/4" x 79-1/4"	Door and Sidelite: 21" x 63"
4	148-7/8" x 81-3/4"	35-3/4" x 79-1/4"	Door: 23" x 35-3/4" Sidelite: 21" x 63"
5	117-1/2" x 96-3/4"	Door: 41-3/4" x 95-1/4" Sidelite: 14" x 95-1/4"	Door: 27-3/4" x 46-3/4" Sidelite: 7" x 79"
6	105-1/2" x 96-3/4"	Door: 35-3/4" x 95-1/4" Sidelite: 14" x 95-1/4"	Door: 21" x 63" Sidelite: 7" x 79"
7	105-1/2" x 97-3/4"	Door: 35-3/4" x 95-1/4" Sidelite: 14" x 95-1/4"	Door: 21" x 63" Sidelite: 7" x 79"
8	117-1/2" x 97-3/4"	Door: 41-3/4" x 95-1/4" Sidelite: 14" x 95-1/4"	Door: 27-3/4" x 46-3/4" Sidelite: 7" x 79"
9	117-1/2" x 97-3/4"	41-3/4" x 95-1/4"	Door: N/A Sidelite: 7" x 79"
10	117-1/2" x 96-3/4"	41-3/4" x 95-1/4"	Door: N/A Sidelite: 7" x 79"

Hardware:

- **Residential 4" Hinges:** six required for Systems 1-4, 9-10, eight required for Systems 5-8; secure to the door panel using four minimum No. 10 x 1" PFH wood screws; secure to the door jamb using three minimum No. 10 x 5/8" PFH wood screws and one minimum No. 10 x 2-1/2" PFH wood screw.
- **Kwikset 400 Series Knob:** locate on the active door panel
- **Kwikset Series 980 Deadbolt:** locate on the active door panel
- **Strike plate- Lock and Deadbolt:** one of each required; locate on the door jamb; secure with two minimum No. 8 x 2" PFH wood screws

Hardware (continued):

- **Astragal strike- strike plate at the head:** secure with 2 minimum No. 8 x 2" PFH wood screws
- **Astragal strike- sill retainer hole:** drill hole through sill deep enough for a 1-3/8" throw

Thresholds:

Outswing: 1" adjustable cap sill (Systems 1-2)

Inswing: 1.375" adjustable cap sill (Systems 3-4, 7-9)

Outswing: 1" standard aluminum sill (System 5-6, 10)

Product Identification (Manufacturer Produced Label on Door):

System		
1-4	Manufacturer	Masonite
	Product name	Steel Glazing Frame Fiberglass Glazed Door Unit w/ or w/o Sidelites Inswing or Outswing Config: X, XX, OX, XO, OXO, OXXO Max. Nominal Size: 12'0" x 6'8"
	Test standards	ASTM E330-02
	Manufacturer	Masonite
5, 8	Product name	Steel Glazing Frame 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 E330-02
	Manufacturer	Masonite
	Product name	Steel Glazing Frame Fiberglass Glazed Door Unit w/ or w/o Sidelites Inswing or Outswing Config: X, XX, OX, XO, OXO, OXXO Max. Nominal Size: 8'9" x 8'0"
6-7	Test standards	ASTM E330-02
	Manufacturer	Masonite
	Product name	Steel Glazing Frame 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 E330-02
9-10	Manufacturer	Masonite
	Product name	Steel Glazing Frame 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 E330-02
	Manufacturer	Masonite

Impact Resistance:

System	Impact Resistant	Requirement
1-10	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 wood 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.