

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION DR-260

Effective Date: May 1, 2013
Reevaluation Date: **November 2016**

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.

Barrington Fiberglass Glazed and Opaque Inswing and Outswing Hinged Doors with and without Sidelites, Non-impact Resistant, manufactured by

Masonite Exterior Door Products
One Premdor Drive
Dickson, Tennessee 37055
Telephone: (800) 663-3667

General Description:

System	Description	Design Pressure Rating
1	Glazed Outswing Hinged Door with Sidelites	+47.5 / -45.0 psf
2	Opaque Outswing Hinged Door with Sidelites	+47.0 / -45.0 psf
3	Glazed Inswing Hinged Door with Sidelites	+45.0 / -47.5 psf
4	1/4 Glazed Inswing Hinged Door with Sidelites	+45.0 / -47.5 psf
5	Opaque Inswing Hinged Door	+ 65.0 / -65.0 psf

Product Dimensions - Doors:

System	Overall Size	Active Panel Size	Passive Panel Size	Daylight Opening Size
1	117.0" x 96.75"	41.75" x 95.25"	42.375" x 95.25"	26.25" x 60.25"
2	117.0" x 96.75"	41.75" x 95.25"	42.375" x 95.25"	N/A
3	117.0" x 97.75"	41.75" x 95.25"	42.375" x 95.25"	26.25" x 60.25"
4	105.0" x 80.75"	35.75" x 79.25"	36.375" x 79.25"	24.75" x 15.75"
5	43.5" x 97.50"	41.75" x 96.25"	N/A	N/A

Product Dimensions - Sidelites:

System	Sidelite Panel Size	Daylight Opening Size
1	14.00" x 95.25"	6.50" x 78.63"
2	14.00" x 95.25"	6.50" x 78.63"
3	14.00" x 95.25"	6.50" x 78.63"
4	14.00" x 79.75"	7.75" x 15.75"
5	N/A	N/A

Hardware:

Hinges:

Systems 1, 2, 3, 4: Six (6) required (three (3) per door panel); Secured to the door panel with four (4) No. 10 x $\frac{3}{4}$ " screws. Secured to the door jamb with two (2) No. 10 x $\frac{3}{4}$ " screws and two (2) No. 10 x $2\frac{1}{2}$ " screws.

System 5: Four (4) required; Secured to the door panel with four (4) No. 10 x 1" screws. Secured to the door jamb with three (3) No. 10 x $\frac{5}{8}$ " screws and one (1) No. 10 x 2" screw.

Deadbolt and Locksets (One of the Following):

Systems 1, 2, 3, 4:

- Kwikset Series 400 Lockset; Located on the active door panel.
- Kwikset Series 980 deadbolt Located on the active door panel.

Systems 1, 2, 3, 4, 5:

- Schlage F-Series Lockset; Located on the active door panel.
- Schlage B-Series Deadbolt; Located on the active door panel.

Strike Plates:

Systems 1, 2, 3, 4, 5:

- Strike plate – Lockset; One (1) required; Located on the door jamb; Secured with two (2) No. 8 x $2\frac{1}{2}$ " screws.
- Strike plate – Deadbolt; One (1) required; Located on the door jamb; Secured with two (2) No. 8 x $2\frac{1}{2}$ " screws.

Systems 1, 2, 3, 4:

- Strike plate – astragal retainer bolt; secured to the door frame head with two (2) No. 8 x $2\frac{1}{2}$ " screws.

Thresholds:

- 1.00" high aluminum bump threshold (Systems 1, 2)
- 1.25" high aluminum adjustable threshold (Systems 3, 4)
- 1.375" high aluminum threshold (Systems 3, 4)
- Any type of inswing threshold may be used (System 5)

Product Identification (Manufacturer's Label on Door):

System	Manufacturer	Masonite
1-4	Product Name	Fiberglass Door Unit Inswing or Outswing Config: X, XX, OX, XO, OXO, OXXO
	Test Standards	ASTM E 330
	Manufacturer	Masonite
5	Product Name	Fiberglass Opaque Door Unit Inswing Config: X
	Test Standards	ASTM E 330
	Manufacturer	Masonite

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

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: Sidelites shall only be used with doors. Sidelites shall not be installed individually.

Installation

Systems 1, 2, and 3: The door assembly shall be fastened to minimum Spruce-Pine-Fir dimension lumber wall framing. The door assembly shall be secured to the wall framing using minimum No. 10 x 2 ½" long flat head screws as follows:

Head and Sill (Door and Sidelite): Located approximately 6 inches from each end; 3 inches and 6 inches on each side of the mullion and the astragal, and one (1) screw placed at the centerline of each door panel.

Jambs: Located approximately 6 inches from each corner and spaced approximately 17 inches on center.

NOTE: All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wood framing. If the frame sill is secured to concrete rather than wood framing members, then a ¾" diameter concrete anchor may be substituted for the No. 10 x 2 ½" long screws noted above. The concrete anchor shall have a minimum embedment of 1 ¼ inches into the concrete.

System 4: The door assembly shall be fastened to minimum Spruce-Pine-Fir dimension lumber wall framing. The door assembly shall be secured to the wall framing using minimum No. 10 x 2 ½" long flat head screws as follows:

Head an Sill (Door and Sidelite): Located approximately 6 inches from each end; 3 inches and 6 inches on each side of the mullion and the astragal, and one (1) screw placed at the centerline of each panel.

Jambs: Located approximately 6 inches from each corner and spaced approximately 14 inches on center.

NOTE: All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wood framing. If the frame sill is secured to concrete rather than wood framing members, then a ¾" diameter concrete anchor may be substituted for the No. 10 x 2 ½" long screws noted above. The concrete anchor shall have a minimum embedment of 1 ¼ inches into the concrete.

Installation (continued):

System 5: The door assembly shall be fastened to minimum Spruce-Pine-Fir dimension lumber wall framing. The door assembly shall be secured to the wall framing using minimum No. 10 x 2 ½" long flat head screws as follows:

Head: Located approximately 6 inches from each end.

Jamb: Located approximately 6 inches from each corner and spaced approximately 17 inches on center.

NOTE: All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wood framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.