TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION Effective Date: March 1, 2013
DR-258 Reevaluation Date: **December 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.

Wood Edge Fiberglass Glazed Inswing and Outswing Hinged Doors with Sidelites, 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 Inswing Hinged Door with Sidelites	+55/-55 psf
2	Glazed Outswing Hinged Door with Sidelites	+55/-55 psf
3	Glazed Inswing Hinged Door with Sidelites	+43/-47 psf
4	Glazed Outswing Hinged Door with Sidelites	+47/-45 psf
5	Glazed Outswing Hinged Door with Surface Bolts and with Sidelites	+55/-55 psf

Product Dimensions - Doors:

System	Overall Size	Active Panel Size	Passive Panel Size	Daylight Opening Size
1	148.5” x 81.75”	35.75” x 79.25”	36.375” x 79.25”	21” x 63”
2	148.5” x 80.75”	35.75” x 79.25”	36.375” x 79.25”	21” x 63”
3	148.5” x 97.75”	35.75” x 95.25”	36.375” x 95.25”	21” x 79”
4	148.5” x 96.75”	35.75” x 95.25”	36.375” x 95.25”	21” x 79”
5	148.5” x 96.75”	35.75” x 95.25”	36.375” x 95.25”	21” x 79”

Product Dimensions - Sidelites:

System	Sidelite Panel Size	Daylight Opening Size
1	35.75” x 79.25”	21” x 63”
2	35.75” x 79.25”	21” x 63”
3	35.75” x 95.25”	21” x 79”
4	35.75” x 95.25”	21” x 79”
5	35.75” x 95.25”	21” x 79”

Hardware:

- Hinges; Six (6) required (three (3) per door panel); Secured to the door panel with four (4) No. 10 x ¾" screws. Secured to the door jamb with two (2) No. 10 x ⅝" screws and two (2) No. 10 x 2 ½" screws.
- Kwikset Series 400 Lockset; Located on the active door panel.
- Kwikset Series 980 deadbolt Located on the active door panel.
- Strike plate – Lockset; One (1) required; Located on the door jamb; Secured with two (2) No. 8 x 2 ½" screws.
- Strike plate – Deadbolt; One (1) required; Located on the door jamb; Secured with two (2) No. 8 x 2 ½" screws.
- 8" Ives Model 453 Surface Bolts (System 5); Two (2) required; Located at the top and bottom of the active lock stile. Each secured to the door panel with four (4) No. 10 x 1 ½" screws.

Thresholds:

- 1.25" high aluminum adjustable threshold (Systems 1, 3)
- 1" high aluminum bump threshold (Systems 2, 4, 5)

Product Identification (Certification Agency Label on Door):

System		
1-5	Manufacturer	Masonite
	Product Name	Fiberglass Entry Inswing/Outswing Doors with Sidelites
	Test Standards	ASTM E 330; ASTM E 1886, ASTM E 1996, Missile Level D

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and **Seaward zone**. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

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 and 2: 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 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 3/16" 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.

Systems 3, 4, and 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 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 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 3/16" 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.

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.