

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

DR-356

Effective Date: March 1, 2013
Reevaluation Date: **February 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 Opaque Inswing and Outswing Hinged Doors, Impact Resistant, manufactured by

DW Distribution, Inc.
1220 Centre Park Blvd
Desoto, Texas 75115
Telephone: (800) 394-1992
www.dwdistribution.com

General Description:

System	Description	Design Pressure Rating
1	Inswing Hinged Door; X; Adjustable Inswing Sill	+85/-85 psf
2	Outswing Hinged Door; X; Standard Outswing Sill	+85/-85 psf
3	Inswing Hinged Door; X; Adjustable Inswing Sill	+70/-70 psf
4	Inswing Hinged Door; X; ADA Inswing Sill	+62/-62 psf
5	Outswing Hinged Door; X; Standard Outswing Sill	+70/-70 psf
6	Outswing Hinged Door; X; Highdam Outswing Sill	+70/-70 psf

Product Dimensions:

System	Overall Size	Panel Size	Daylight Opening Size
1	37.5" x 81.5"	35.75" x 79.25"	N/A
2	37.5" x 80.5"	35.75" x 79.25"	N/A
3-4	37.5" x 97.75"	35.75" x 95.25"	N/A
5-6	37.5" x 96.87"	35.75" x 95.25"	N/A

Hardware:

- Hinges (Systems 1-2); Three (3) required; Secured to the door panel with four (4) No. 10 x $\frac{3}{4}$ " screws. Secured to the door jamb with three (3) No. 10 x $\frac{5}{8}$ " screws and one (1) No. 10 x 2" screw.
- Hinges (Systems 3-6); 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.
- Schlage F-Series Passage Lockset (Systems 3-6); Located on the door panel.
- Schlage B-Series Deadbolt (Systems 3-6); Located on the door panel.

Hardware (continued):

- Kwikset Series 400 Lockset (Systems 1-6); Located on the door panel.
- Kwikset Series 980 deadbolt (Systems 1-6); Located on the door panel
- Strike plate – Lockset; One (1) required; Located on the door jamb; Secured with two (2) No. 8 x 2" screws.
- Strike plate – Deadbolt; One (1) required; Located on the door jamb; Secured with two (2) No. 8 x 2" screws.

Product Identification (Certification Agency Label on Door):

System		
1-6	Manufacturer	DW Distribution, Inc.
	Product Name	Fiberglass Entry Inswing/Outswing Doors
	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.

Installation:

Systems 1-2: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing using the frame of the door. Fasteners shall be minimum No. 10 x 2 1/2" screws. Along the head and sill, the fasteners are located approximately 6 inches from each corner. Along each side jamb, the fasteners are spaced approximately 6 inches from each corner and approximately 14 inches on center. Each hinge is secured to the wall framing with one (1) No. 10 x 2" screw. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing. If the sill is secured to concrete, then minimum 3/16" diameter concrete anchors shall be used and shall be long enough to penetrate a minimum of 1 1/4 inches into the concrete.

Systems 3-6: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing using the frame of the door. Fasteners shall be minimum No. 10 x 2 1/2" screws. Along the head and sill, the fasteners are located approximately 6 inches from each corner. Along each side jamb, the fasteners are spaced approximately 6 inches from each corner and approximately 17 inches on center. Each hinge is secured to the wall framing with one (1) No. 10 x 2" screw. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing. If the sill is secured to concrete, then minimum 3/16" diameter concrete anchors shall be used and shall be long enough to penetrate a minimum of 1 1/4 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.