

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

---

## PRODUCT EVALUATION DR-275

Effective June 1, 2011

*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 shall be subject to reevaluation **June 2015**.*

*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.*

**6'-8" Flush-Glazed Fiberglass Doors, Outswing, Singles & Doubles with and without Sidelites, Impact Resistant**, manufactured by:

**RightConcept**  
**2615 S 80<sup>th</sup> Street**  
**Tacoma, WA 98409**  
**Tel. (253)471-8861**

and distributed by

**McCoy's Building Supply**  
**1200 I.H. 35 North**  
**San Marcos, TX 78667**  
**Telephone: (512) 395-6644**

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with this product evaluation report and the design drawings referenced in this report.

## PRODUCT DESCRIPTION

This product consists of flush-glazed fiberglass side hinged doors, with and without sidelites, single and double configurations, hung in wood frames. This product evaluation report is for door assemblies based on tested constructions to provide the following assemblies:

### General Description:

Assembly	Description	Label Rating
1	3'0" x 6'-8" Flush-Glazed Fiberglass Single Door, Outswing (X)	Outswing $\pm$ 60 psf
2	3'0" x 6'-8" Flush-Glazed Fiberglass Single Door, Outswing w/ Sidelite, Integral Mullion, CHS (XO / OX)	Outswing $\pm$ 60 psf

**General Description (cont.):**

Assembly	Description	Label Rating
3	3'0" x 6'-8" Flush-Glazed Fiberglass Single Door, Outswing w/ Sidelite, Integral Mullion, CHS (OXO)	Outswing ±60 psf
4	3'0" x 6'-8" Flush-Glazed Fiberglass Single Door, Outswing w/ Boxed Sidelite & Combination Mullion (XO / OX)	Outswing ±60 psf
5	3'0" x 6'-8" Flush-Glazed Fiberglass Single Door, Outswing w/ Boxed Sidelites & Combination Mullion (OXO)	Outswing ±60 psf
6	6'0" x 6'-8" Flush-Glazed Fiberglass Double Door, Outswing (XX)	Outswing ±55 psf
7	6'0" x 6'-8" Flush-Glazed Fiberglass Double Door, Outswing w/ Boxed Sidelites & Combination Mullion (OXXO)	Outswing (w/o mullion reinforcement) ±55 psf Outswing (w/ 1x mullion reinforcement) ±55 psf

**Product Dimensions:**

Assembly	Overall Frame Assembly Size	Fixed/Operable Panel Sizes	Flush-Glazed Panel Sizes
1	37.5" x 80.75"	Door 35.75" x 79.25"	21" x 63"
2	74.25" x 80.75"	Door 35.75" x 79.25" Sidelite 35.75" x 79.25"	21" x 63"
3	111.0" x 80.75"	Door 35.75" x 79.25" Sidelite 35.75" x 79.25"	21" x 63"
4	75.5" x 80.75"	Door 35.75" x 79.25" Sidelite 35.75" x 79.25"	21" x 63"
5	113.5" x 80.75"	Door 35.75" x 79.25" Sidelite 35.75" x 79.25"	21" x 63"

**Product Dimensions (cont.):**

Assembly	Overall Frame Assembly Size	Fixed/Operable Panel Sizes	Flush-Glazed Panel Sizes
6	74.0" x 80.75"	Door 35.75" x 79.25"	21" x 63"
7	150.0" x 80.75"	Door 35.75" x 79.25" Sidelite 35.75" x 79.25"	21" x 63"

**Hardware:**

Description

Location

- Kwikset Series 660 Combo Lock & Deadbolt  
or  
Kwikset Series 740 Lock & Series 780 Deadbolt
  - Endura or TRC Aluminum Astragal
  - (3) 4" Steel Butt Hinges
- Deadbolt located at 40.375"  
from top of active panel
- Lock located at 45.875"  
from top of active panel
- 8.5" from top of active panel to  
center of hinge and maximum 31.0"  
centerline to centerline.

**Product Identification:** A label will be affixed to the assembly. The label includes the manufacturer's name and performance characteristics to indicate the design pressure rating of the assembly.

**LIMITATIONS**

**Design pressures (DP):**

Assembly	Overall Width (in.)	Overall Height (in.)	Design Pressure (psf)
1	37.50	80.75	Outswing ±60
2	74.25	80.75	Outswing ±60
3	111.0	80.75	Outswing ±60
4	75.5	80.75	Outswing ±60
5	113.5	80.75	Outswing ±60
6	74.0	80.75	Outswing ±55
7	150.0	80.75	Outswing (w/o mullion reinforcement) ±55 Outswing (w/ 1x mullion reinforcement) ±55

**Impact Resistance:** These opaque doors and sidelites satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and **Seaward zone**. The assemblies passed an impact standard equivalent to Missile Level D as specified in ASTM E 1996-02. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. The assemblies do not require an impact protective system.

**Acceptance of Smaller Assemblies:** Door and Sidelite assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

## INSTALLATION INSTRUCTIONS

**Assemblies #1, #2 & #3: 3068 Flush-Glazed Fiberglass Single Door with or without Sidelite(s), Integral Mullion & CHS: X, XO / OX, OXO**

**Wall Framing:** Minimum Spruce-Pine-Fir.

**Fasteners:** Head, sill and jambs: Minimum No. 10 x 2 ½" long PFH wood screws.

**Attachment:** Install in accordance with engineering drawing TX-4110, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2010. The doors shall be mounted to the wood framing members. The fasteners shall penetrate through the door frame and into the wood framing members. If the sill is secured to a concrete foundation, then minimum ¼" diameter concrete anchors shall be used. The concrete anchors shall embed a minimum of 1 ¼" into the concrete.

**Assemblies #4 & #5: 3068 Flush-Glazed Fiberglass Single Door with Boxed Sidelite(s) & Combination Mullion: XO / OX, OXO**

**Wall Framing:** Minimum Spruce-Pine-Fir.

**Fasteners:** Head, sill and jambs: Minimum No. 10 x 2 ½" long PFH wood screws.

**Attachment:** Install in accordance with engineering drawing TX-4111, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2010. The doors shall be mounted to the wood framing members. The fasteners shall penetrate through the door frame and into the wood framing members. If the sill is secured to a concrete foundation, then minimum ¼" diameter concrete anchors shall be used. The concrete anchors shall embed a minimum of 1 ¼" into the concrete.

**Assemblies #6 & #7: 6068 Flush-Glazed Fiberglass Double Door with or without Boxed Sidelites & Combination Mullion; XX, OXXO**

**Wall Framing:** Minimum Spruce-Pine-Fir.

**Fasteners:** Head, sill and jambs: Minimum No. 10 x 2 ½" long PFH wood screws.

**Attachment:** Install in accordance with engineering drawing TX-4112, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2010. The doors shall be mounted to the wood framing members. The fasteners shall penetrate through the door frame and into the wood framing members. If the sill is secured to a concrete foundation, then minimum ¼" diameter concrete anchors shall be used. The concrete anchors shall embed a minimum of 1 ¼" 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.