

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / 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-691

Effective Date: August 1, 2014  
Reevaluation Date: **September 2018**

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.

**6'-8" and 8'-0" Glazed Therma-Tru Fiberglass Doors, Inswing, Singles & Doubles with and without Sidelites, Impact Resistant**, manufactured by

**ODL, Inc.**  
**215 East Roosevelt Ave.**  
**Zeeland, MI 49464**  
**Telephone: (616) 748-5437**

## General Description:

System	Description	Label Rating	Drawing No.
1	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing; (X)	Inswing +45, -50 psf	TX-4329
2	6'-0" x 6'-8" Glazed Fiberglass Double Door, Inswing; (XX)	Inswing +45, -50 psf	TX-4329
3	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing; (OX/XO)	Inswing +45, -50 psf	TX-4330
4	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion, Inswing; (OXO)	Inswing +45, -50 psf	TX-4330
5	6'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites, Inswing; (OXXO)	Inswing +45, -50 psf	TX-4330
6	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelite, Continuous Head & Sill w/ Integral Mullion, Inswing; (OX/XO)	Inswing +45, -50 psf	TX-4331

**General Description (continued):**

System	Description	Label Rating	Drawing No.
7	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelites, Continuous Head & Sill w/ Integral Mullion, Inswing; (OXO)	Inswing +45, -50 psf	TX-4331
8	6'-0" x 6'-8" Glazed Fiberglass Double Door w/ Sidelites, Continuous Head & Sill w/ Integral Mullion, Inswing; (OXXO)	Inswing +45, -50 psf	TX-4332
9	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing; (X)	Inswing +40, -45 psf	TX-4334
10	6'-0" x 8'-0" Glazed Fiberglass Double Door, Inswing; (XX)	Inswing +45, -50 psf	TX-4334
11	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing; (OX/XO)	Inswing +40, -45 psf	TX-4335
12	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion, Inswing; (OXO)	Inswing +40, -45 psf	TX-4335
13	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Boxed Sidelites, Inswing; (OXXO)	Inswing +40, -45 psf	TX-4335
14	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelite, Continuous Head & Sill w/ Integral Mullion, Inswing; (OX/XO)	Inswing +40, -45 psf	TX-4336
15	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelites, Continuous Head & Sill w/ Integral Mullion, Inswing; (OXO)	Inswing +40, -45 psf	TX-4336
16	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Sidelites, Continuous Head & Sill w/ Integral Mullion, Inswing; (OXXO)	Inswing +45, -50 psf	TX-4337
17	6'-0" x 6'-8" Glazed Fiberglass Boxed Sidelites; (OO)	Inswing +45, -50 psf	TX-4380
18	6'-0" x 8'-0" Glazed Fiberglass Boxed Sidelites; (OO)	Inswing +45, -50 psf	TX-4381

**NOTE:** Maximum design pressure for the Pamex lock and G4 glazing is limited. Refer to the approved drawings for allowable design pressure limitations for assemblies using this glazing or hardware.

**Component Dimensions:**

System	Max. Overall Size	Panel Size	Daylight Opening Size
1	37 <sup>3</sup> / <sub>4</sub> " x 82" Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
2	74 <sup>1</sup> / <sub>2</sub> " x 82" Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
3	76 <sup>3</sup> / <sub>4</sub> " x 82" Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
4	115 <sup>3</sup> / <sub>4</sub> " x 82" Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
5	149 <sup>1</sup> / <sub>2</sub> " x 82" Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
6	74 <sup>3</sup> / <sub>4</sub> " x 81 <sup>3</sup> / <sub>4</sub> " Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
7	112" x 81 <sup>3</sup> / <sub>4</sub> " Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
8	148 <sup>5</sup> / <sub>8</sub> " x 81 <sup>3</sup> / <sub>4</sub> " Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
9	37 <sup>3</sup> / <sub>4</sub> " x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
10	74 <sup>1</sup> / <sub>2</sub> " x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
11	76 <sup>3</sup> / <sub>4</sub> " x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
12	115 <sup>3</sup> / <sub>4</sub> " x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
13	149 <sup>1</sup> / <sub>2</sub> " x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
14	74 <sup>3</sup> / <sub>4</sub> " x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
15	112" x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
16	148 <sup>3</sup> / <sub>4</sub> " x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "
17	75" x 82" Inswing	36" x 79 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 62 <sup>5</sup> / <sub>8</sub> "
18	75" x 98" Inswing	36" x 95 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 78 <sup>1</sup> / <sub>2</sub> "

**Component Hardware:**

System	Component	Quantity	Attachment Method
1-8	4" Butt Hinges	3	Hardware shall be installed in accordance with ODL drawings TX-4329, TX-4330, TX-4331 & TX-4332, dated June 13, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on July 10, 2014.
	Lock and deadbolt strike plate	1 per lockset & deadbolt	
	Kwikset Signature Series Lockset & Kwikset Signature Series 980 deadbolt or Schlage F Series F60 Lockset & Schlage B Series B60/62 deadbolt or Pamex FT Series Lockset & Pamex FD7 Series Deadbolt	Refer to Hardware Table on sheet 4 of the drawings.	
9-16	4" Butt Hinges	4	Hardware shall be installed in accordance with ODL drawings TX-4334, TX-4335, TX-4336 & TX-4337, dated June 13, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on July 10, 2014.
	Lock and deadbolt strike plate	1 per lockset & deadbolt	
	Kwikset Signature Series Lockset & Kwikset Signature Series 980 deadbolt or Schlage F Series F60 Lockset & Schlage B Series B60/62 deadbolt or Pamex FT Series Lockset & Pamex FD7 Series Deadbolt	Refer to Hardware Table on sheet 4 of the drawings.	

**Product Identification (Manufacturer Label on Door):**

System		
1-18	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	ODL, Inc.
	Product Name	Glazed Fiberglass Entry Doors
	Test Standards	ASTM E 330-02, E 1886-05/1996-06

**Impact Resistance:**

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

**Installation:**

System			
1-18	Type of Installation	Door Frame	
	Wall Framing	Wood (G <sub>w</sub> ≥0.42) or Concrete (3000 psi min.)	
	Fastener Embedment	Wood: Min. of 1.15" (head/jambs) & 1 ½ inches (sill) into wood framing Concrete: Min. of 1 ¾" into the concrete	
	Fastener Location/Spacing	Head	The doors shall be installed in accordance with ODL drawings TX-4329, TX-4330, TX-4331, TX-4332, TX-4334, TX-4335, TX-4336, TX-4337, TX-4380, and TX-4381 dated June 13, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on July 10, 2014.
		Sill	
		Side Jambs	
Sidelites			
Hinges			

**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.

**Sidelites:** Sidelites shall only be installed with doors.

**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.