

Product Evaluation

DR691 | 1221

Engineering Services Program

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.

For more information, contact TDI Engineering Services Program at 1-800-248-6032.

Evaluation ID: DR-691

Effective Date: December 1, 2021

Re-evaluation Date: December 2025

Product name: 6'-8" and 8'-0" Therma-Tru Fiberglass Glazed Side Hinged Doors, Inswing, Singles and Doubles, with and without Sidelites, Impact Resistant

Manufacturer: ODL, Inc
215 East Roosevelt Avenue
Zeeland, Michigan 49464
(616) 748-5437

General Description:

System	Description	Label Rating ¹	Drawing Number
1	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing; (X)	+45 / -50 psf	TX-4329
2	6'-0" x 6'-8" Glazed Fiberglass Double Door, Inswing; (XX)	+45 / -50 psf	TX-4329
3	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing; (OX/XO)	+45 / -50 psf	TX-4330
4	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion, Inswing; (OXO)	+45 / -50 psf	TX-4330

Note: ¹ Maximum design pressure for the Pamex lock is limited. Refer to the approved drawings for allowable design pressure limitations.

General Description (Continued):

System	Description	Label Rating¹	Drawing Number
5	6'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites & Combination Mullion, Inswing; (OXXO)	+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)	+45 / -50 psf	TX-4331
7	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelites; Continuous Head & Sill w/ Integral Mullion, Inswing; (OXO)	+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)	+45 / -50 psf	TX-4332
9	3'-0" x 8'-0" Glazed Fiberglass Single Door; (X)	+40 / -45 psf	TX-4334
10	6'-0" x 8'-0" Glazed Fiberglass Double Door; (XX)	+45 / -50 psf	TX-4334
11	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite; Combination Reinforced Mullion (OX/XO)	+40 / -45 psf	TX-4335
12	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites; Combination Reinforced Mullion (OXO)	+40 / -45 psf	TX-4335
13	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Boxed Sidelites; Combination Mullion (OXXO)	+45 / -50 psf	TX-4335
14	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelite; Continuous Head & Sill w/ Integral Mullion; (OX/XO)	+40 / -45 psf	TX-4336
15	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelites; Continuous Head & Sill w/ Integral Mullion; (OXO)	+40 / -45 psf	TX-4336
16	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Sidelites; Continuous Head & Sill w/ Integral Mullion; (OXXO)	+45 / -50 psf	TX-4337

Note: ¹ Maximum design pressure for the Pamex lock is limited. Refer to the approved drawings for allowable design pressure limitations.

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	37.75" x 82"	36" x 79.25"	20-5/8" x 62-5/8"
2	74.5" x 82"	36" x 79.25"	20-5/8" x 62-5/8"
3	76.75" x 82"	36" x 79.25"	20-5/8" x 62-5/8"
4	115.75" x 82"	36" x 79.25"	20-5/8" x 62-5/8"
5	149.5" x 82"	36" x 79.25"	20-5/8" x 62-5/8"
6	74.75" x 81.75"	36" x 79.25"	20-5/8" x 62-5/8"
7	112" x 81.75"	36" x 79.25"	20-5/8" x 62-5/8"
8	148.625" x 81.75"	36" x 79.25"	20-5/8" x 62-5/8"
9	37.75" x 98"	36" x 95.25"	20-5/8" x 78-5/8"
10	74.5" x 98"	36" x 95.25"	20-5/8" x 78-5/8"
11	76.75" x 98"	36" x 95.25"	20-5/8" x 78-5/8"
12	115.75" x 98"	36" x 95.25"	20-5/8" x 78-5/8"
13	149.5" x 98"	36" x 95.25"	20-5/8" x 78-5/8"
14	74.75" x 98"	36" x 95.25"	20-5/8" x 78-5/8"
15	112" x 98"	36" x 95.25"	20-5/8" x 78-5/8"
16	148.75" x 98"	36" x 95.25"	20-5/8" x 78-5/8"

Hardware:

System	Component	Quantity	Attachment method
1-8	4" Butt Hinge	3	Install in accordance with ODL drawings TX-4329, TX-4330, TX-4331, and TX-4332, dated June 13, 2013, Revision 3 dated October 25, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on October 25, 2021.
	Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980)	1 each	
	OR Knob: Schlage "F" Series (F60) Deadbolt: Schlage "B" Series (B60/62)		
	OR Knob: Pamex "FT" Series Deadbolt: Pamex "FD7" Series		

Hardware (Continued):

System	Component	Quantity	Attachment method
9-16	4" Butt Hinge	4	Install in accordance with ODL drawings TX-4334, TX-4335, TX-4336, and TX-4337, dated June 13, 2013, Revision 3 dated October 25, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on October 25, 2021.
	Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980) OR Knob: Schlage "F" Series (F60) Deadbolt: Schlage "B" Series (B60/62) OR Knob: Pamex "FT" Series Deadbolt: Pamex "FD7" Series	1 each	

Product Identification (Manufacturer Label on Door):

System		
1, 3, 4, 6, 7	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	ODL Inc
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing, Impact Resistant Door Panels, Singles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4329, TX-4330, TX-4331
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D
2, 5, 8	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	ODL Inc
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing, Impact Resistant Door Panels, Doubles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4329, TX-4330, TX-4332
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D

Product Identification (Manufacturer Label on Door) - continued:

System		
9, 11, 12, 14, 15	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or Code name	ODL Inc
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing, Impact Resistant Door Panels, Singles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4334, TX-4335, TX-4336
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D
10, 13, 16	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	ODL Inc
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing, Impact Resistant Door Panels, Doubles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4334, TX-4335, TX-4437
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D

Impact Resistance:

System	Impact resistant	Requirement
1-16	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

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

Sidelites: Sidelites must only be installed with doors. Sidelites are not permitted to be installed without doors.

Installation:

System	
1-16	Type of installation
	Wall framing
	Fasteners
	Fastener embedment
	Fastener location/spacing
Install in accordance with ODL drawings TX-4329, TX-4330, TX-4331, TX-4332, TX-4334, TX-4335, TX-4336, TX-4337, dated June 13, 2013, Revision 3 dated October 25, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on October 25, 2021.	

Note: Keep the manufacturer’s installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.