



Product Evaluation

DR633 | 0618

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 (800) 248-6032.

Evaluation ID: DR-633 **Effective Date:** June 1, 2018
Re-evaluation Date: June 2022

Product Name: 6'-8" and 8'-0" Fiberglass Glazed Side Hinged Doors, Inswing & Outswing, Singles and Doubles, with and without Sidelites, Impact Resistant

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

Distributed By: Guardian Building Products
7603 Prairie Oak Drive
Building 6, Suite 100
Houston, TX 77086
(281) 397-6403

General Description:

System	Description	Label Rating ¹	Drawing Number
1	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Inswing +45/-50 psf Outswing +45 /-45 psf	TX-4270
2	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX/XO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4270
3	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion, Inswing/Outswing; (OXO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4270

Note: ¹ Maximum design pressure for G4 glazing limited. Refer to the approved drawings for allowable design pressure limitations.

General Description (continued):

System	Description	Label Rating ¹	Drawing Number
4	6'-0" x 6'-8" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4271
5	6'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites, Inswing/Outswing; (OXXO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4271
6	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Inswing +40/-45 psf Outswing +40/-40 psf	TX-4274
7	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX/XO)	Inswing +40/-45 psf Outswing +40/-40 psf	TX-4274
8	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion, Inswing/Outswing; (OXO)	Inswing +40/-45 psf Outswing +40/-40 psf	TX-4274
9	6'-0" x 8'-0" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4275
10	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Boxed Sidelites, Inswing/Outswing; (OXXO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4275

Note: ¹ Maximum design pressure for G4 glazing limited. Refer to the approved drawings for allowable design pressure limitations.

Product Dimensions:

System	Overall Size	Panel Size	Daylight Opening Size
1	Inswing: 37-3/4" x 82" Outswing: 37-3/4" x 80-5/8"	36" x 79-1/4"	20-1/2" x 62-5/8"
2	Inswing: 76-3/4" x 82" Outswing: 76-3/4" x 80-5/8"	36" x 79-1/4"	20-1/2" x 62-5/8"
3	Inswing: 115-3/4" x 82" Outswing: 115-3/4" x 80-5/8"	36" x 79-1/4"	20-1/2" x 62-5/8"
4	Inswing: 74-1/2" x 82" Outswing: 74-1/2" x 80-5/8"	36" x 79-1/4"	20-1/2" x 62-5/8"
5	Inswing: 149-1/2" x 82" Outswing: 149-1/2" x 80-5/8"	36" x 79-1/4"	20-1/2" x 62-5/8"
6	Inswing: 37-3/4" x 98" Outswing: 37-3/4" x 96-3/8"	36" x 95-1/4"	20-1/2" x 78-1/2"
7	Inswing: 76-3/4" x 98" Outswing: 76-3/4" x 96-3/8"	36" x 95-1/4"	20-1/2" x 78-1/2"
8	Inswing: 115-3/4" x 98" Outswing: 115-3/4" x 96-3/8"	36" x 95-1/4"	20-1/2" x 78-1/2"
9	Inswing: 74-1/2" x 98" Outswing: 74-1/2" x 96-3/8"	36" x 95-1/4"	20-1/2" x 78-1/2"
10	Inswing: 149-1/2" x 98" Outswing: 149-1/2" x 96-3/8"	36" x 95-1/4"	20-1/2" x 78-1/2"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-5	4" Butt Hinges	3	Hardware must be installed in accordance with ODL drawings TX-4270 and TX-4271 dated November 8, 2012, Revision 1 dated December 14, 2015, signed and sealed by Lyndon F. Schmidt, P.E. on December 17, 2015.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series Lockset and Kwikset Signature Series 980 deadbolt	Refer to Hardware Table on page 2 of the drawings.	
6-10	4" Butt Hinges	4	Hardware must be installed in accordance with ODL drawings TX-4274 and TX-4275 dated November 8, 2012, Revision 1 dated December 14, 2015, signed and sealed by Lyndon F. Schmidt, P.E. on December 17, 2015.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series Lockset and Kwikset Signature Series 980 deadbolt	Refer to Hardware Table on page 2 of the drawings.	

Product Identification (Self labeled):

System		
1, 2, 3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	ODL, Inc. (Distributed by Guardian Building Products, Houston, TX)
	Product Name	Glazed Fiberglass Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles, w & w/out Impact resistant Sidelites
	Drawing	TX-4270
	Test Standards	ASTM E 330-02, ASTM E 1886-05, ASTM E 1996-06, Missile Level D
4, 5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	ODL, Inc. (Distributed by Guardian Building Products, Houston, TX)
	Product Name	Glazed Fiberglass Doors, Inswing/Outswing, Impact Resistant Door Panels, Doubles, w & w/out Impact resistant Sidelites
	Drawing	TX-4271
	Test Standards	ASTM E 330-02, ASTM E 1886-05, ASTM E 1996-06, Missile Level D
6, 7, 8	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	ODL, Inc. (Distributed by Guardian Building Products, Houston, TX)
	Product Name	Glazed Fiberglass Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles, w & w/out Impact resistant Sidelites
	Drawing	TX-4274
	Test Standards	ASTM E 330-02, ASTM E 1886-05, ASTM E 1996-06, Missile Level D

Product Identification (Self labeled) - continued:

System		
9, 10	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	ODL, Inc. (Distributed by Guardian Building Products, Houston, TX)
	Product Name	Glazed Fiberglass Doors, Inswing/Outswing, Impact Resistant Door Panels, Doubles, w & w/out Impact resistant Sidelites
	Drawing	TX-4275
	Test Standards	ASTM E 330-02, ASTM E 1886-05, ASTM E 1996-06, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-10	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 must only be installed with doors. Sidelites not permitted to be installed without doors.

Installation:

System		
1-10	Type of Installation	The doors must be installed and anchored in accordance with ODL drawings TX-4270, TX-4271, TX-4274 and TX-4275 dated November 8, 2012, Revision 1 dated December 14, 2015, signed and sealed by Lyndon F. Schmidt, P.E. on December 17, 2015.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

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