

Product Evaluation

DR634 | 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-634

Effective Date: December 1, 2021

Re-evaluation Date: December 2025

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

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

Distributed By: Builders FirstSource
302 North Mile 2-1/2 East
Mercedes, Texas 78570
(956) 755-0301

General Description:

System	Description	Label Rating ¹	Drawing Number
1	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing & Outswing; (X)	+50 / -50 psf Missile Level D	TX-4276
2	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelite, Combination Reinforced Mullion; Inswing & Outswing; (OX/XO)	+50 / -50 psf Missile Level D	TX-4276

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

General Description (Continued):

System	Description	Label Rating ¹	Drawing Number
3	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelites; Combination Reinforced Mullion, Inswing & Outswing; (OXO)	+50 / -50 psf Missile Level D	TX-4276
4	6'-0" x 6'-8" Glazed Fiberglass Double Door; Inswing & Outswing; (XX)	+50 / -50 psf Missile Level D	TX-4277
5	6'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites; Combination Mullion, Inswing & Outswing; (OXXO)	+50 / -50 psf Missile Level D	TX-4277
6	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing & Outswing; (X)	Inswing: +35 / -40 psf Outswing: +35 / -35 psf Missile Level D	TX-4278
7	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite; Combination Reinforced Mullion; Inswing & Outswing; (OX/XO)	Inswing: +35 / -40 psf Outswing: +35 / -35 psf Missile Level D	TX-4278
8	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites; Combination Reinforced Mullion; Inswing & Outswing; (OXO)	Inswing: +35 / -40 psf Outswing: +35 / -35 psf Missile Level D	TX-4278
9	6'-0" x 8'-0" Glazed Fiberglass Double Door; Inswing & Outswing; (XX)	Inswing: +35 / -40 psf Outswing: +35 / -35 psf Missile Level D	TX-4279
10	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Boxed Sidelites; Combination Mullion, Inswing & Outswing; (OXXO)	Inswing: +35 / -40 psf Outswing: +35 / -35 psf Missile Level D	TX-4279

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

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 37.50" x 82" Outswing: 37.50" x 80.625"	35.75" x 79.25"	20-5/8" x 62-5/8"
2	Inswing: 76.25" x 82" Outswing: 76.25" x 80.625"	35.75" x 79.25"	20-5/8" x 62-5/8"
3	Inswing: 115" x 82" Outswing: 115" x 80.625"	35.75" x 79.25"	20-5/8" x 62-5/8"
4	Inswing: 74" x 82" Outswing: 74" x 80.625"	35.75" x 79.25"	20-5/8" x 62-5/8"

Component Dimensions (Continued):

System	Overall Size	Panel Size	Maximum Daylight Opening Size
5	Inswing: 148.5" x 82" Outswing: 148.5" x 80.625"	35.75" x 79.25"	20-5/8" x 62-5/8"
6	Inswing: 37.50" x 98" Outswing: 37.50" x 96.375"	35.75" x 95.25"	20-5/8" x 78-5/8"
7	Inswing: 76.25" x 98" Outswing: 76.25" x 96.375"	35.75" x 95.25"	20-5/8" x 78-5/8"
8	Inswing: 115" x 98" Outswing: 115" x 96.375"	35.75" x 95.25"	20-5/8" x 78-5/8"
9	Inswing: 74" x 98" Outswing: 74" x 96.375"	35.75" x 95.25"	20-5/8" x 78-5/8"
10	Inswing: 148.5" x 98" Outswing: 148.5" x 96.375"	35.75" x 95.25"	20-5/8" x 78-5/8"

Hardware:

System	Component	Quantity	Attachment method
1-5	4" Steel Hinge	3	Install in accordance with ODL drawings TX-4276 and TX-4277, dated November 8, 2012, Revision 3 dated October 25, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 4, 2021.
	Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980)	1 each	
6-10	4" Steel Hinge	4	Install in accordance with ODL drawings TX-4278 and TX-4279, dated November 8, 2012, Revision 3 dated October 25, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 4, 2021.
	Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980)	1 each	

Product Identification (Manufacturer Label on Door):

System		
1-3	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	ODL Inc (Distributed by Builders FirstSource, Mercedes, TX)
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4276
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D
4-5	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	ODL Inc. (Distributed by Builders FirstSource, Mercedes, TX)
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Doubles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4277
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D
6-8	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	ODL Inc. (Distributed by Builders FirstSource, Mercedes, TX)
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4278
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D

Product Identification (Manufacturer Label on Door) - Continued:

System		
9-10	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	ODL Inc. (Distributed by Builders FirstSource, Mercedes, TX)
	Product name	Glazed Fiberglass Side-Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Doubles, w & w/out Impact Resistant Sidelites
	Drawing	TX-4279
	Test standards	ASTM E 330-14 ASTM E 1886-13a/1996-14a Missile Level D

Impact Resistance:

System	Impact resistant	Requirement
1-10	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		
1-10	Type of installation	Install in accordance with ODL drawings TX-4276, TX-4277, TX-4278, and TX-4279, dated November 8, 2012, Revision 3 dated October 25, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 4, 2021.
	Wall framing	
	Fasteners	
	Fastener embedment	
	Fastener location/spacing	

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.