

Product Evaluation

DR213 | 1021

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-213

Effective Date: October 1, 2021

Re-evaluation Date: October 2025

Product Name: Glazed Fiberglass Side Hinged Doors, Inswing and Outswing, Singles and Doubles, with or without Sidelites, Non-Impact Resistant

Manufacturer: Trinity Glass International
33651 1st Way S
Federal Way, WA 98003
(253) 875-7300

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 8'-0" Single Door; X	Inswing: +47 / -55 psf Outswing: +47 / -47 psf	TX-5230
2	3'-0" x 8'-0" Single Door w/ Boxed Sidelites & Combination Mullions; OX, XO, OXO	+47 / -47 psf	TX-5231
3	3'-0" x 8'-0" Single Door w/ Sidelites & Integral Mullions; OX, XO, OXO	+47 / -47 psf	TX-5232
4	6'-0" x 8'-0" Double Door; XX	+40 / -40 psf	TX-5233

General Description (cont.):

System	Description	Label Rating	Drawing Number
5	6'-0" x 8'-0" Double Door w/ Boxed Sidelites & Combination Mullion; OXXO	+40 / -40 psf	TX-5234

Product Dimensions:

System	Maximum Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	37-1/2" x 97-7/8"	35-13/16" x 95-1/4"	Door: 21" x 78-7/8" Sidelite: N/A
2	68-1/2" x 97-7/8"	35-13/16" x 95-1/4"	Door: 21" x 78-7/8" Sidelite: 6-7/8" x 62-3/4"
3	67-1/2" x 97-7/8"	35-13/16" x 95-1/4"	Door: 21" x 78-7/8" Sidelite: 6-7/8" x 62-3/4"
4	74" x 97-7/8"	35-13/16" x 95-1/4"	Door: 21" x 78-7/8" Sidelite: N/A
5	105" x 97-7/8"	35-13/16" x 95-1/4"	Door: 21" x 78-7/8" Sidelite: 6-7/8" x 62-3/4"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-5	Hinges	4	Install hardware in accordance with drawing No. TX-5230 through TX-5234, dated August 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on August 16, 2021.
	Kwikset Lock 740 Kwikset deadbolt 780	1 each	
	Latch and deadbolt strike plate	1 each	
	Astragal strike plate (System 4-5 ONLY)	1	

Product Identification (Manufacturer Label on Door):

System		
1-3	Manufacturer's name or code name	Trinity Glass International
	Product name	Trinity Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Singles w/ or w/out Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

Product Identification (Manufacturer Label on Door):

System		
4-5	Manufacturer's name or code name	Trinity Glass International
	Product name	Trinity Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Doubles w/ or w/out Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

System		
1	Type of installation	Install in accordance with drawing No. TX-5230, dated August 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on August 16, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
2	Type of installation	Install in accordance with drawing No. TX-5231, dated August 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on August 16, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
3	Type of installation	Install in accordance with drawing No. TX-5232, dated August 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on August 16, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
4	Type of installation	Install in accordance with drawing No. TX-5233, dated August 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on August 16, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

Installation:

System	
5	Type of installation
	Wall framing
	Fasteners
	Fastener location/spacing
	Fastener penetration
Install in accordance with drawing No. TX-5234, dated August 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on August 16, 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.