



Product Evaluation

DR273 | 0817

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-273 **Effective Date:** August 1, 2017
Re-evaluation Date: July 2021

Product Name: 6'-8" Flush Fiberglass Glazed Side-Hinged Doors, Outswing, Impact Resistant, with and without Impact Resistant Sidelites

Manufacturer: Trinity Glass International
33615 1st Way S
Federal Way, WA 98003
253-875-7300

Distributed By: Trinity Glass International
McCoy's Building Supply
1200 I.H. 35 North
San Marcos, TX 78667
512-395-6644

General Description:

System	Description	Design Pressure Rating
1	3'-0" x 6'-8" Flush Glazed Fiberglass Side-Hinged Door, Outswing; (X)	Wood Jamb: +60 /-60 psf PVC Jamb: +60 /-60 psf
2	3'-0" x 6'-8" Flush Glazed Fiberglass Side-Hinged Door with Sidelite; Outswing; Continuous Head and Sill; (OX, XO)	Wood Jamb: +60 /-70 psf PVC Jamb: +55 /-55 psf
3	3'-0" x 6'-8" Flush Glazed Fiberglass Side-Hinged Door with Sidelites; Outswing; Continuous Head and Sill; (OXO)	Wood Jamb: +55 /-55 psf PVC Jamb: +55 /-55 psf
4	3'-0" x 6'-8" Flush Glazed Fiberglass Side-Hinged Door with Sidelite; Outswing; Integral Mullion; (OX, XO)	Wood Jamb: +60 /-70 psf PVC Jamb: +55 /-55 psf

General Description (Continued):

System	Description	Design Pressure Rating
5	3'-0" x 6'-8" Flush Glazed Fiberglass Side-Hinged Door with Sidelites; Outswing; Integral Mullion; (OXO)	Wood Jamb: +55 /-55 psf PVC Jamb: +55 /-55 psf
6	6'-0" x 6'-8" Flush Glazed Fiberglass Side-Hinged Door; Outswing; (XX)	Alum Astragal: +55 /-55 psf PVC Astragal: +47 /-47 psf
7	6'-0" x 8'-0" Flush Glazed Fiberglass Side-Hinged Door with Sidelites; Outswing; (OXXO)	Alum Astragal: +55 /-55 psf PVC Astragal: +47 /-47 psf

Component Dimensions:

System	Overall Size	Panel Size		Daylight Opening Size	
		Door	Sidelite	Door	Sidelite
1	37.50" x 80.50"	35.75" x 79.00"	N/A	21.00" x 63.00"	N/A
2	74.75" x 80.50"	35.75" x 79.00"	35.65" x 79.00"	21.00" x 63.00"	21.00" x 63.00"
3	112.00" x 80.50"	35.75" x 79.00"	35.65" x 79.00"	21.00" x 63.00"	21.00" x 63.00"
4	75.50" x 80.50"	35.75" x 79.00"	35.65" x 79.00"	21.00" x 63.00"	21.00" x 63.00"
5	113.50" x 80.50"	35.75" x 79.00"	35.65" x 79.00"	21.00" x 63.00"	21.00" x 63.00"
6	74.00" x 80.50"	35.75" x 79.00"	N/A	21.00" x 63.00"	N/A
7	150.00" x 80.50"	35.75" x 79.00"	35.65" x 79.00"	21.00" x 63.00"	21.00" x 63.00"

Components and Hardware:

System	Component	Attachment Method
1 - 7	4" Hinges (3 per door panel)	Hardware and components must be installed in accordance with Trinity Glass International drawing TGI003; sheets 1 thru 29; dated October 24, 2016; signed and sealed by Hermes F. Norero, P.E. on December 16, 2016.
	Kwikset Signature Series 980 Lock and Deadbolt Combo -or- Kwikset Signature Series 991 Lock and Deadbolt Combo -or- Schlage F-Series lock; B60 Series deadbolt	
	Slide Bolts (Passive Doors, XX, OXXO)	

Product Identification (Manufacturer Label on Door):

System		
1 - 7	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Trinity Glass International, Inc.
	Product Name	Impact Glazed (Flush Glazed Mahogany) Fiberglass Door w/ or w/o Sidelites
	Drawing	TGI003
	Test Standards	TAS 201-94, TAS 202-94, TAS 203-94 Large Missile

Impact Resistance:

System	Impact Resistant	Requirement
1 - 7	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

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

Sidelites: Sidelites must only be used with door. Sidelites must not be installed individually.

Installation:

System		
1 - 7	Type of Installation	Secure the door to the substrate in accordance with Trinity Glass International drawing TGI003; sheets 1 thru 29; dated October 24, 2016; signed and sealed by Hermes F. Norero, P.E. on December 16, 2016.
	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, the IBC, and the Texas Revisions.