

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
 Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION
 DR-272

Effective Date: August 2012
 Reevaluation Date: **October 2016**

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.

6'-8" Opaque Fiberglass Doors, Outswing, Singles & Doubles with and without Sidelites, Impact Resistant, manufactured by

Trinity Glass International
 4621 192nd Street East
 East Tacoma, WA 98446
 Telephone: (253) 875-7300

General Description:

System	Description	Label Rating	Design Pressure Rating	Drawing Number
1	3'-0" x 6'-8" Opaque Fiberglass Single Door, Outswing; (X)	Wood Jamb Outswing +75, -75 psf	± 75	TX-4150
		PVC or FG/COMP Jamb Outswing +60, -60 psf	± 60	
2	3'-0" x 6'-8" Opaque Fiberglass Single Door, Outswing (Continuous Head & Sill) w/ Sidelite & Integral Mullion; (XO), (OX)	Wood Jamb Outswing +60, -70 psf	+60, -70	TX-4151
		FG/COMP Jamb Outswing +55, -55 psf	± 55	
3	3'0" x 6'-8" Opaque Fiberglass Single Door, Outswing (Continuous Head & Sill) w/ Sidelite & Integral Mullion; (OXO)	Wood Jamb Outswing +55, -55 psf	± 55	TX-4151
		FG/COMP Jamb Outswing +55, -55 psf	± 55	
4	3'-0" x 6'-8" Opaque Fiberglass Single Door, Outswing w/ Boxed Sidelite & Combination Reinforced Mullion; (OX), (XO)	Wood Jamb Outswing +60, -70 psf	+60, -70	TX-4152
		FG/COMP Jamb Outswing +55, -55 psf	± 55	

General Description (continued):

System	Description	Label Rating	Design Pressure Rating	Drawing Number
5	3'-0" x 6'-8" Opaque Fiberglass Single Door, Outswing w/ Boxed Sidelites & Combination Mullion; (OXO)	Wood Jamb Outswing +60, -70 psf	± 55	TX-4152
		FG/COMP Jamb Outswing +55, -55 psf	± 55	
6	3'0" x 6'-8" Opaque Fiberglass Double Door, Outswing; (XX)	Aluminum Astragal Outswing +55, -55 psf	± 55	TX-4153
		PVC Astragal Outswing +47, -47 psf	± 47	
7	3'0" x 6'-8" Opaque Fiberglass Double Door, Outswing w/ Boxed Sidelites & Combination Mullion; (OXXO)	Aluminum Astragal Outswing +55, -55 psf	± 55	TX-4153
		PVC Astragal Outswing +47, -47 psf	± 47	

Component Dimensions:

System	Overall Size	Panel Size	Maximum Sidelight Daylight Opening Size
1	37 1/2" x 80 3/4"	35 3/4" x 79 1/4"	NA
2	74 1/4" x 80 3/4"	35 3/4" x 79 1/4"	21" x 63"
3	111" x 80 3/4"	35 3/4" x 79 1/4"	21" x 63"
4	75 1/2" x 80 3/4"	35 3/4" x 79 1/4"	21" x 63"
5	113 1/2" x 80 3/4"	35 3/4" x 79 1/4"	21" x 63"
6	74 1/4" x 80 3/4"	35 3/4" x 79 1/4"	NA
7	150" x 80 3/4"	35 3/4" x 79 1/4"	21" x 63"

Component Dimensions:

System	Component	Quantity	Attachment Method
1-7	4" Butt Hinges	3	Hardware shall be installed in accordance Trinity Glass International drawings TX-4150, TX-4151, TX-4152 and TX-4153, dated May 10, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on June 4, 2012.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series Lockset	1	
	Kwikset Signature Series 980 deadbolt	1	

Product Identification (Certification Agency Label on Door):

System		
1-7	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Trinity Glass International
	Product Name	Opaque Fiberglass Doors
	Test Standards	ASTM E330-02; ASTM E 1886-09; ASTM E 1996-09

Impact Resistance:

Impact Resistant	Requirement
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.

Installation:

System			
1-7	Type of Installation	Door Frame	
	Wall Framing	Southern Pine	
	Fasteners	The doors shall be installed and anchored in accordance with Trinity Glass International drawings TX-4150, TX-4151, TX-4152 and TX-4153, dated May 10, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on June 4, 2012.	
	Fastener Embedment	Minimum of 1 ½ inches into the wall framing	
	Fastener Location/Spacing	Head	The doors shall be installed and anchored in accordance with Trinity Glass International drawings TX-4150, TX-4151, TX-4152 and TX-4153, dated May 10, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on June 4, 2012.
		Sill	
Side Jamb			
Hinges			

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.