



Product Evaluation

DR599 | 0716

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-599

Effective Date: July 1, 2016

Re-evaluation Date: July 2020

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

Manufacturer: Therma-Tru Corporation
118 Industrial Drive
Edgerton, OH 43517
(419) 298-1740

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 8'-0" Glazed Fiberglass Single Door Inswing/Outswing (X)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4195 Rev 1
2	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion Inswing/Outswing (XO), (OX)	Inswing +47/-47 psf Outswing +47/-47 psf	TX-4196 Rev 1
3	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion Inswing/Outswing (OXO)	Inswing +47/-47 psf Outswing +47/-47 psf	TX-4197 Rev 1
4	6'-0" x 8'-0" Glazed Fiberglass Double Door, Inswing/Outswing (XX)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4198 Rev 1
5	6'-0" x 8'-0" Glazed Fiberglass Double Door, w/ Boxed Sidelites & Combination Mullion Inswing/Outswing (OXXO)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4199 Rev 1

Dimensions:

System	Overall Size	Door Panel Size	Sidelite Panel Size	Max Daylight Opening size
1	Inswing: 37-3/4" x 98" Outswing: 37-3/4" x 96-3/4"	36" x 95-1/4"	NA	Door: 21" x 78-3/4" Sidelite: NA
2	Inswing: 76-3/4" x 98" Outswing: 76-3/4" x 96-3/4"	36" x 95-1/4"	36" x 95-1/4"	Door: 21" x 78-3/4" Sidelite: 21" x 78-3/4"
3	Inswing: 115-3/4" x 98" Outswing: 115-3/4" x 96-3/4"	36" x 95-1/4"	36" x 95-1/4"	Door: 21" x 78-3/4" Sidelite: 21" x 78-3/4"
4	Inswing: 74-1/2" x 98" Outswing: 74-1/2" x 96-3/4"	36" x 95-1/4" 36-3/4" x 95-1/4" (with astragal)	NA	Door: 21" x 78-3/4" Sidelite: NA
5	Inswing: 151" x 98" Outswing: 151" x 96-3/4"	36" x 95-1/4" 36-3/4" x 95-1/4" (with astragal)	36" x 95-1/4"	Door: 21" x 78-3/4" Sidelite: 21" x 78-3/4"

Hardware Description and Installation:

System	Component	Quantity	Attachment Method
1-5	4" Butt Hinges	4	For proper installation of Hardware and components refer to Therma-Tru Corporation Drawings: TX-4195 Rev 1, TX-4196 Rev 1, TX-4197 Rev 1, TX-4198 Rev 1, and TX-4199 Rev 1, dated 7/17/2012, signed and sealed by Lyndon F. Schmidt, P.E. on 7/22/2015.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset 200 Series Lock and Kwikset 780 Series Deadbolt	1 each	

Product Identification (Manufacturer Label on Door):

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Glazed Fiberglass Single Door (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic)
	Test Standards	ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02

Product Identification (Manufacturer Label on Door) - Continued:

System		
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic)
	Test Standards	ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic)
	Test Standards	ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02
4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Glazed Fiberglass Double Door (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic)
	Test Standards	ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02
5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Glazed Fiberglass Double Door, w/ Boxed Sidelites & Combination Mullion (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic)
	Test Standards	ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02

Impact Resistance:

System	Impact Resistant	Requirement
1-5 Glazed Doors & Sidelites	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 with the limitations specified in this report.

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

Installation:

System		
1-5	Type of Installation	For proper installation of doors and sidelites refer to Therma-Tru Corporation drawings: TX-4195 Rev 1, TX-4196 Rev 1, TX-4197 Rev 1, TX-4198 Rev 1, and TX-4199 Rev 1, dated 7/17/2012, signed and sealed by Lyndon F. Schmidt, P.E. on 7/22/2015.
	Wall Framing	
	Fasteners	
	Fastener Embedment	
	Fastener Location/Spacing	

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