



Product Evaluation

DR601 | 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-601

Effective Date: July 1, 2016

Re-evaluation Date: July 2020

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

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

General Description:

System	Description	Label Rating	Drawing Number
1	3'-6" x 8'-0" Classic Craft Rustic Opaque Fiberglass Single Door, Radius Top, Inswing/Outswing (X)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4177
2	3'-0" x 8'-0" Smooth Star and Fiber Classic Opaque Fiberglass Single Door, Inswing/Outswing (X)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4178 Rev 1
3	3'-6" x 8'-0" Classic Craft and Classic Craft Rustic Opaque Fiberglass, Single Door, Inswing/Outswing (X)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4179
4	3'-0" x 8'-0" Opaque Fiberglass Single Door, w/Sidelite Inswing/Outswing (OX/XO)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4180 Rev 1
5	3'-6" x 8'-0" Opaque Fiberglass Single Door, w/Sidelite, Inswing/Outswing (OX/XO)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4181
6	3'-0" x 8'-0" Opaque Fiberglass Single Door, w/ Sidelite Inswing/Outswing (OXO)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4182 Rev 1

General Description (contined):

System	Description	Label Rating	Drawing Number
7	3'-6" x 8'-0" Opaque Fiberglass Single Door, w/ Sidelite Inswing/Outswing (OXO)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4183
8	6'-0" x 8'-0" Opaque Fiberglass Double Door, Inswing/Outswing (XX)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4176 Rev 1
9	6'-0" x 8'-0" Opaque Fiberglass Double Door, w/ Sidelites Inswing/Outswing (OXXO)	Inswing +65/-65 psf Outswing +65/-65 psf	TX-4175 Rev 1

Dimensions:

System	Overall Size	Door Panel Size	Sidelite Panel Size	Max Daylight Opening size
1	Inswing: 43-3/4" x 98" Outswing: 43-3/4" x 96-1/2"	42" x 95-1/4"	NA	NA
2	Inswing: 37-3/4" x 98" Outswing: 37-3/4" x 96-1/2"	36" x 95-1/4"	NA	NA
3	Inswing: 43-3/4" x 98" Outswing: 43-3/4" x 96-1/2"	42" x 95-1/4"	NA	NA
4	Inswing: 54" x 98" Outswing: 54" x 96-1/2"	36" x 95-1/4"	13-3/4" x 95-1/4"	6-3/4" x 79"
5	Inswing: 60" x 98" Outswing: 60" x 96-1/2"	42" x 95-1/4"	13-3/4" x 95-1/4"	6-3/4" x 79"
6	Inswing: 70-1/4" x 98" Outswing: 70-1/4" x 96-1/2"	36" x 95-1/4"	13-3/4" x 95-1/4"	6-3/4" x 79"
7	Inswing: 76-1/4" x 98" Outswing: 76-1/4" x 96-1/2"	36" x 95-1/4"	13-3/4" x 95-1/4"	6-3/4" x 79"
8	Inswing: 74-1/2" x 98" Outswing: 74-1/2" x 96-1/2"	36" x 95-1/4"	NA	NA
9	Inswing: 107" x 98" Outswing: 107" x 96-1/2"	36" x 95-1/4"	13-3/4" x 95-1/4"	6-3/4" x 79"

Hardware Description and Installation:

System	Component	Quantity	Attachment Method
1-9	4" Butt Hinges	4	For proper installation of Hardware and components refer to Therma-Tru Corporation Drawings: TX-4177, TX-4179, TX-4181, TX-4183 dated 7/16/2012, signed and sealed by Lyndon F. Schmidt, P.E. on 11/19/2012 and TX-4175 Rev-1, TX-4176 Rev-1, TX-4178 Rev-1, TX-4180 Rev-1, TX-4182 Rev-1, dated 7/16/2012, 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 Passage Lock and Kwikset 600 Series Deadbolt	1	

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	Classic Craft Rustic Opaque Fiberglass Single Door, Radius Top
	Test Standards	ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Single Door (Smooth Star and Fiber Classic)
	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	Opaque Fiberglass Single Door (Classic Craft and Classic Craft Rustic)
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02
4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Single Door with Boxed Sidelites and Combination Reinforced Mullion (Smooth Star and Fiber Classic)
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02
5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Single Door with Boxed Sidelites and Combination Reinforced Mullion (Classic Craft and Classic Craft Rustic)
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02
6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Door with Boxed Sidelites and Combination Reinforced Mullion (Smooth Star and Fiber Classic)
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02

Product Identification (Manufacturer Label on Door) – Continued:

System		
7	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Door with Boxed Sidelites and Combination Reinforced Mullion (Classic Craft and Classic Craft Rustic)
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02
8	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Double Door (Smooth Star, Fiber Classic, Classic Craft and Classic Craft Rustic)
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02
9	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Double Door with Boxed Sidelites and Combination Reinforced Mullion (Classic Craft and Classic Craft Rustic)
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02

Impact Resistance:

System	Impact Resistant	Requirement
Opaque Doors	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.

System	Impact Resistant	Requirement
Sidelites	No	Impact protective system required when product is installed in areas where windborne debris protection is required

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		
1-9	Type of Installation	For proper installation of door and sidelites refer to Therma-Tru Corporation Drawings: TX-4177, TX-4179, TX-4181, TX-4183 dated 7/16/2012, signed and sealed by Lyndon F. Schmidt, P.E. on 11/19/2012 and TX-4175 Rev-1, TX-4176 Rev-1, TX-4178 Rev-1, TX-4180 Rev-1, TX-4182 Rev-1, dated 7/16/2012, 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 on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.