

Product Evaluation

DR950 | 1121

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-950

Effective Date: November 1, 2021

Re-evaluation Date: November 2025

Product Name: 6'-8" and 8'-0" Fiber-Classic® & Smooth-Star® Composite Edge Opaque Fiberglass Side Hinged Doors, "Coastal-Impact," Inswing & Outswing, Singles & Doubles, w/ & w/o Sidelites, Impact Resistant

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

General Description:

System	Description	Lock Hardware	Label Rating	Drawing Number
1	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Kwikset	Inswing: +75/-75 psf Outswing: +80/-80 psf	TX-4735
2	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Schlage	Inswing: +75/-75 psf Outswing: +75/-75 psf	TX-4735

General Description (continued):

System	Description	Lock Hardware	Label Rating	Drawing Number
3	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Multipoint	Inswing: +55/-60 psf Outswing: +55/-55 psf	TX-4735
4	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX / XO)	Kwikset; Schlage; Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4736
5	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXO)	Kwikset; Schlage; Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4736
6	6'-0" x 6'-8" Opaque Fiberglass Double Door, Inswing/Outswing; (XX)	Kwikset; Schlage	Inswing: +60/-60 psf Outswing: +60/-60 psf	TX-4737
7	6'-0" x 6'-8" Opaque Fiberglass Double Door, Inswing/Outswing; (XX)	Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4737
8	6'-0" x 6'-8" Opaque Fiberglass Double Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXXO)	Kwikset; Schlage; Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4737
9	3'-0" x 8'-0" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Kwikset; Schlage	Inswing: +80/-80 psf Outswing: +80/-80 psf	TX-4738
10	3'-0" x 8'-0" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Multipoint	Inswing: +75/-80 psf Outswing: +80/-80 psf	TX-4738
11	3'-0" x 8'-0" Opaque Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX / XO)	Kwikset; Schlage; Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4739
12	3'-0" x 8'-0" Opaque Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXO)	Kwikset; Schlage; Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4739

General Description (continued):

System	Description	Lock Hardware	Label Rating	Drawing Number
13	6'-0" x 8'-0" Opaque Fiberglass Double Door, Inswing/Outswing; (XX)	Kwikset; Schlage	Inswing: +60/-60 psf Outswing: +65/-65 psf	TX-4740
14	6'-0" x 8'-0" Opaque Fiberglass Double Door, Inswing/Outswing; (XX)	Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4740
15	6'-0" x 8'-0" Opaque Fiberglass Double Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXXO)	Kwikset; Schlage; Multipoint	Inswing: +55/-55 psf Outswing: +55/-55 psf	TX-4740

Component Dimensions:

System	Overall Size Inswing	Overall Size Outswing	Door Panel Size		
			Book Door	Hybrid Door	U1 Door
1,2,3	37-3/4" x 82"	37-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
4	76-3/4" x 82"	76-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
5	115-3/4" x 82"	115-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
6,7	74-3/4" x 82"	74-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
8	152-3/4" x 82"	152-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
9,10	37-3/4" x 98"	37-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"
11	76-3/4" x 98"	76-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"
12	115-3/4" x 98"	115-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"
13,14	74-3/4" x 98"	74-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"
15	152-3/4" x 98"	152-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"

Hardware:

System	Component	Quantity	Attachment Method
1-5	4" Butt Hinges	3	Hardware must be installed in accordance w/Therma-Tru Corporation drawings TX-4735 & TX-4736, dated October 24, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 27, 2021.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (Therma-Tru) Multipoint Lock (MPDGART)	1 each	
6-8	4" Butt Hinges	3	Hardware must be installed in accordance w/Therma-Tru Corporation drawing TX-4737, dated October 24, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 27, 2021.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (Therma-Tru) Multipoint Lock (MPDGSB)	1 each	
9-12	4" Butt Hinges	4	Hardware must be installed in accordance w/ Therma-Tru Corporation drawings TX-4738 & TX-4739, dated October 24, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 27, 2021.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (Therma-Tru) Multipoint Lock (MPDGART)	1 each	
13-15	4" Butt Hinges	4	Hardware must be installed in accordance w/ Therma-Tru Corporation drawing TX-4740, dated October 24, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 27, 2021.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (Therma-Tru) Multipoint Lock (MPDGSB)	1 each	

Product Identification (Manufacturer Label on Door):

System		
1, 2, 3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Singles, Impact Resistant
	Drawing	TX-4735
	Test Standards	ASTM E 330-14, E 1886-13a, E 1996-14a, Missile Level D
4, 5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Singles w/Sidelites, Impact Resistant
	Drawing	TX-4736
	Test Standards	ASTM E 330-14, E 1886-13a, E 1996-14a, Missile Level D
6, 7, 8	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Doubles w/ or w/o Sidelites, Impact Resistant
	Drawing	TX-4737
	Test Standards	ASTM E 330-14, E 1886-13a, E 1996-14a, Missile Level D
9-10	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Singles, Impact Resistant
	Drawing	TX-4738
	Test Standards	ASTM E 330-14, E 1886-13a, E 1996-14a, Missile Level D
11-12	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Singles w/Sidelites, Impact Resistant
	Drawing	TX-4739
	Test Standards	ASTM E 330-14, E 1886-13a, E 1996-14a, Missile Level D

Product Identification (Manufacturer Label on Door) - continued:

System		
13-15	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Doubles w/ or w/o Sidelites, Impact Resistant
	Drawing	TX-4740
	Test Standards	ASTM E 330-14, E 1886-13a, E 1996-14a, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-15	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris. 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		
1-8	Type of Installation	Door and anchors must be installed in accordance w/Therma-Tru Corporation drawings TX-4735, TX-4736 & TX-4737, dated October 24, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 15, 2017.
	Wall Framing	
	Fasteners	
	Fastener Embedment	
	Fastener Location/Spacing	
9-15	Type of Installation	Door and anchors must be installed in accordance w/Therma-Tru Corporation drawings TX-4738, TX-4739 & TX-4740, dated October 24, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 27, 2021.
	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 and the IBC.