

Product Evaluation

DR946 | 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-946

Effective Date: November 1, 2021

Re-evaluation Date: November 2025

Product Name: 6'-8" and 8'-0" Fiber-Classic® & Smooth-Star® Composite Edge Glazed Fiberglass Side Hinged Doors, Inswing & Outswing, Singles & Doubles, with and without Sidelites, Non-Impact Resistant

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

General Description:

System	Description	Lite Insert	Lock Hardware	Label Rating	Drawing Number
1	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Lip Lite	Kwikset; Schlage; Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4761
2	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Molded Open	Kwikset; Schlage	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4761

General Description (continued):

System	Description	Lite Insert	Lock Hardware	Label Rating	Drawing Number
3	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Molded Open	Multipoint	Inswing: +55/-55 psf Outswing: +60/-60 psf	TX-4761
4	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Flush Glazed (24.12" D.L.O. width)	Kwikset; Schlage; Multipoint	Inswing: +55/-65 psf Outswing: +55/-55 psf	TX-4761
5	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Flush Glazed (26" D.L.O. width)	Kwikset; Schlage	Inswing: +55/-65 psf Outswing: +55/-55 psf	TX-4761
6	3'-0" x 6'-8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Flush Glazed (26" D.L.O. width)	Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4761
7	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Mullion, Inswing/Outswing; (OX, XO)	Any	Kwikset; Schlage; Multipoint	Inswing: +45/-50 psf Outswing: +45/-45 psf	TX-4762
8	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXO)	Any	Kwikset; Schlage; Multipoint	Inswing: +45/-50 psf Outswing: +45/-45 psf	TX-4762
9	6'-0" x 6'-8" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Any	Kwikset; Schlage; Multipoint; (Standard Astragal)	Inswing: +40/-40 psf Outswing: +40/-40 psf	TX-4763
10	6'-0" x 6'-8" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Any	Kwikset; Schlage; Multipoint; (Coastal Astragal)	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4763

General Description (continued):

System	Description	Lite Insert	Lock Hardware	Label Rating	Drawing Number
11	3'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXXO)	Any	Kwikset; Schlage; Multipoint; (Standard Astragal)	Inswing: +40/-40 psf Outswing: +40/-40 psf	TX-4763
12	3'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXXO)	Any	Kwikset; Schlage; Multipoint; (Coastal Astragal)	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4763
13	3'-0" x 7'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Any	Kwikset; Schlage	Inswing: +40/-50 psf Outswing: +40/-40 psf	TX-4764
14	3'-0" x 7'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Mullion, Inswing/Outswing; (OX, XO)	Any	Kwikset; Schlage	Inswing: +40/-50 psf Outswing: +40/-40 psf	TX-4765
15	3'-0" x 7'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXO)	Any	Kwikset; Schlage	Inswing: +40/-50 psf Outswing: +40/-40 psf	TX-4765
16	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Lip Lite	Kwikset; Schlage; Multipoint	Inswing: +47/-47 psf Outswing: +47/-47 psf	TX-4766
17	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Flush Glazed	Kwikset; Schlage	Inswing: +47/-47 psf Outswing: +47/-47 psf	TX-4766
18	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Flush Glazed	Multipoint	Inswing: +50/-50 psf Outswing: +60/-60 psf	TX-4766
19	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	3/4 Flush Glazed	Kwikset; Schlage	Inswing: +45/-60 psf Outswing: +45/-45 psf	TX-4766

General Description (continued):

System	Description	Lite Insert	Lock Hardware	Label Rating	Drawing Number
20	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	3/4 Flush Glazed	Multipoint	Inswing: +60/-65 psf Outswing: +60/-60 psf	TX-4766
21	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Mullion, Inswing/Outswing; (OX, XO)	Any	Kwikset; Schlage; Multipoint	Inswing: +47/-47 psf Outswing: +47/-47 psf	TX-4767
22	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXO)	Any	Kwikset; Schlage; Multipoint	Inswing: +47/-47 psf Outswing: +47/-47 psf	TX-4767
23	6'-0" x 8'-0" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Any	Kwikset; Schlage; Multipoint; (Standard Astragal)	Inswing: +35/-40 psf Outswing: +35/-35 psf	TX-4768
24	6'-0" x 8'-0" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Any	Kwikset; Schlage; Multipoint; (Coastal Astragal)	Inswing: +47/-47 psf Outswing: +47/-47 psf	TX-4768
25	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXXO)	Any	Kwikset; Schlage; Multipoint; (Standard Astragal)	Inswing: +35/-40 psf Outswing: +35/-35 psf	TX-4768
26	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXXO)	Any	Kwikset; Schlage; Multipoint; (Coastal Astragal)	Inswing: +47/-47 psf Outswing: +47/-47 psf	TX-4768
27	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelite & Integral Mullion (CHS), Inswing/Outswing; (OX, XO)	Lip Lite	Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4769

General Description (continued):

System	Description	Lite Insert	Lock Hardware	Label Rating	Drawing Number
28	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelite & Integral Mullion (CHS), Inswing/Outswing; (OX, XO)	Molded Open	Multipoint	Inswing: +60/-60 psf Outswing: +60/-60 psf	TX-4769
29	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelite & Integral Mullion (CHS), Inswing/Outswing; (OX, XO)	Flush Glazed (24.12" D.L.O. width)	Multipoint	Inswing: +55/-65 psf Outswing: +55/-55 psf	TX-4769
30	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelite & Integral Mullion (CHS), Inswing/Outswing; (OX, XO)	Flush Glazed (26" D.L.O. width)	Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4769
31	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelites & Integral Mullions (CHS), Inswing/Outswing; (OXO)	Lip Lite	Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4769
32	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelites & Integral Mullions (CHS), Inswing/Outswing; (OXO)	Molded Open	Multipoint	Inswing: +60/-60 psf Outswing: +60/-60 psf	TX-4769
33	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelites & Integral Mullions (CHS), Inswing/Outswing; (OXO)	Flush Glazed (24.12" D.L.O. width)	Multipoint	Inswing: +55/-65 psf Outswing: +55/-55 psf	TX-4769
34	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Sidelites & Integral Mullions (CHS), Inswing/Outswing; (OXO)	Flush Glazed (26" D.L.O. width)	Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4769

General Description (continued):

System	Description	Lite Insert	Lock Hardware	Label Rating	Drawing Number
35	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelite & Integral Mullion (CHS), Inswing/Outswing; (OX, XO)	Lip Lite	Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4770
36	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelite & Integral Mullion (CHS), Inswing/Outswing; (OX, XO)	Flush Glazed	Multipoint	Inswing: +50/-50 psf Outswing: +65/-65 psf	TX-4770
37	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelites & Integral Mullions (CHS), Inswing/Outswing; (OXO)	Lip Lite	Multipoint	Inswing: +50/-50 psf Outswing: +50/-50 psf	TX-4770
38	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Sidelites & Integral Mullions (CHS), Inswing/Outswing; (OXO)	Flush Glazed	Multipoint	Inswing: +50/-50 psf Outswing: +65/-65 psf	TX-4770

Component Dimensions:

System	Overall Size Inswing	Overall Size Outswing	Door Panel Size		
			Book Door	Hybrid Door	U1 Door
1, 2, 3, 4, 5, 6	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"
7	53-1/4" x 82"	53-1/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
8	68-3/4" x 82"	68-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
9, 10	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"
11, 12	105-3/4" x 82"	105-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
13	37-3/4" x 86"	37-3/4" x 85-1/4"	36" x 83-1/4"	35.81" x 83-1/4"	35.81" x 83.06"
14	53-1/4" x 86"	53-1/4" x 85-1/4"	36" x 83-1/4"	35.81" x 83-1/4"	35.81" x 83.06"
15	68-3/4" x 86"	68-3/4" x 85-1/4"	36" x 83-1/4"	35.81" x 83-1/4"	35.81" x 83.06"
16, 17, 18, 19, 20	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"
21	53-1/4" x 98"	53-1/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"

Component Dimensions:

System	Overall Size Inswing	Overall Size Outswing	Door Panel Size		
			Book Door	Hybrid Door	U1 Door
22	68-3/4" x 98"	68-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"
23, 24	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"
25, 26	105-3/4" x 98"	105-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"
27, 28, 29, 30	52-3/4" x 82"	52-3/4" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
31, 32, 33, 34	67-5/8" x 82"	67-5/8" x 81-1/4"	36" x 79-1/4"	35.81" x 79-1/4"	35.81" x 79.06"
35, 36	52-3/4" x 98"	52-3/4" x 97-1/4"	36" x 95-1/4"	35.81" x 95-1/4"	35.81" x 95.06"
37, 38	67-5/8" x 98"	67-5/8" 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
1-8	4" Butt Hinges	3	Hardware must be installed in accordance w/ Therma-Tru Corporation drawings TX-4761 & TX-4762, dated November 27, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2021.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (ThermaTru) Multipoint Lock (MPDGART)	1 each	
9-12	4" Butt Hinges	3	Hardware must be installed in accordance w/ Therma-Tru Corporation drawing TX-4763, dated November 27, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2021.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (ThermaTru) Multipoint Lock (MPDGSB)	1 each	

Hardware (continued):

System	Component	Quantity	Attachment Method
13-15	4" Butt Hinges	3	Hardware must be installed in accordance w/ Therma-Tru Corporation drawings TX-4764 & TX-4765, dated November 27, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2021.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N)	1 each	
16-22	4" Butt Hinges	4	Hardware must be installed in accordance w/ Therma-Tru Corporation drawings TX-4766 & TX-4767, dated November 27, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2017.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (ThermaTru) Multipoint Lock (MPDGART)	1 each	
23-26	4" Butt Hinges	4	Hardware must be installed in accordance w/ Therma-Tru Corporation drawing TX-4768, dated November 27, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2017.
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60N) or Hoppe (ThermaTru) Multipoint Lock (MPDGSB)	1 each	
27-38	4" Butt Hinges	3 (6'-8") 4 (8'-0")	Hardware must be installed in accordance w/ Therma-Tru Corporation drawings TX-4769 & TX-4770, dated November 27, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2021.
	Hoppe (ThermaTru) Multipoint Lock (MPDGART)	1 each	

Product Identification (Manufacturer Label on Door):

System		
1, 2, 3, 4, 5, 6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles, Non-Impact Resistant
	Drawing	TX-4761
	Test Standards	ASTM E330-14
7, 8	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles w/Sidelites, Non-Impact Resistant
	Drawing	TX-4762
	Test Standards	ASTM E330-14
9, 10, 11, 12	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Doubles w/ or w/o Sidelites, Non-Impact Resistant
	Drawing	TX-4763
	Test Standards	ASTM E330-14
13	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	ThermaTru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles, Non-Impact Resistant
	Drawing	TX-4764
	Test Standards	ASTM E330-14
14, 15	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles w/Sidelites, Non-Impact Resistant
	Drawing	TX-4765
	Test Standards	ASTM E330-14

Product Identification (Manufacturer Label on Door) - continued:

System		
16, 17, 18, 19, 20	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles, Non-Impact Resistant
	Drawing	TX-4766
	Test Standards	ASTM E330-14
21, 22	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles w/Sidelites, Non-Impact Resistant
	Drawing	TX-4767
	Test Standards	ASTM E330-14
23, 24, 25, 26	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Doubles w/ or w/o Sidelites, Non-Impact Resistant
	Drawing	TX-4768
	Test Standards	ASTM E330-14
27, 28, 29, 30, 31, 32, 33, 34	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles w/Sidelites, Non-Impact Resistant
	Drawing	TX-4769
	Test Standards	ASTM E330-14
35, 36, 37, 38	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code	Therma-Tru Corporation
	Product Name	Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles w/Sidelites, Non-Impact Resistant
	Drawing	TX-4770
	Test Standards	ASTM E330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-38	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		
1-38	Type of Installation	Door and anchors must be installed in accordance w/ Therma-Tru Corporation drawings TX-4761, TX-4762, TX-4763, TX-4764, TX-4765, TX-4766, TX-4767, TX-4768, TX-4769 & TX-4770 dated November 27, 2017, Rev 1 dated September 27, 2021, signed & sealed by Lyndon F. Schmidt, P.E. on September 28, 2017
	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.