



Product Evaluation

DR642 | 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-642

Effective Date: July 1, 2016

Re-evaluation Date: July 2020

Product Name: 6'-8" and 8'-0" Opaque Smooth Star Fiberglass Doors, Inswing, Singles and 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	Label Rating Multi-Point Lock	Label Rating Latch and Deadbolt	Drawing Number
1	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ "Vented" Sidelite & Integral Mullion, Inswing, XX	+80/-80 psf	+65/-75 psf	TX-4291 Rev 1
2	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ "Vented" Sidelites & Integral Mullion, Inswing, XXX	+80/-80 psf	+65/-75 psf	TX-4291 Rev 1

General Description (continued):

System	Description	Label Rating Multi-Point Lock	Label Rating Latch and Deadbolt	Drawing Number
3	6'-0" x 6'-8" Opaque Fiberglass Double Door w/ "Vented" Sidelites & Integral Mullion, Inswing, XXXX	+35/-40 psf	N/A	TX-4291 Rev 1
4	3'-0" x 8'-0" Opaque Fiberglass Single Door w/ "Vented" Sidelite & Integral Mullion, Inswing, XX	+65/-70 psf	+50/-50 psf	TX-4292 Rev 1
5	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ "Vented" Sidelites & Integral Mullion, Inswing, XXX	+65/-70 psf	+50/-50 psf	TX-4292 Rev 1
6	6'-0" x 8'-0" Opaque Fiberglass Double Door w/ "Vented" Sidelites & Integral Mullion, Inswing, XXXX	+35/-35 psf	N/A	TX-4292 Rev 1

Component Dimensions:

System	Overall Size	Door Panel Size	Sidelite Panel Size	Maximum Daylight Opening Size (Lip Lite Glazing)	Maximum Daylight Opening Size (Flush Glazing)
1	53-3/8"x82"	36"x79-1/4"	13-15/16"x79-1/4"	5-7/8"x62-7/8"	6"x63"
2	69"x82"	36"x79-1/4"	13-15/16"x79-1/4"	5-7/8"x62-7/8"	6"x63"
3	106"x82"	36"x79-1/4"	13-15/16"x79-1/4"	5-7/8"x62-7/8"	6"x63"
4	53-3/8"x98"	36"x95-1/4"	14"x95-1/4"	7"x79-1/4"	N/A
5	69"x98"	36"x95-1/4"	14"x95-1/4"	7"x79-1/4"	N/A
6	106"x98"	36"x95-1/4"	14"x95-1/4"	7"x79-1/4"	N/A

Components and Hardware:

System	Component	Quantity	Attachment Method
1, 2, 3	4" Butt Hinges	3 per door and sidelite	Install hardware and components in accordance with Therma-Tru drawing: TX-4291 Rev 1 Dated January 2, 2013, signed and sealed Lyndon F. Schmidt, P.E. on July 21, 2015.
	Lock and deadbolt strike plate or Multi-point lock strike plate	1 per lockset and deadbolt or 1 per latch/deadbolt combo and 1 per tongue strike	
	Door: Kwikset Signature Series (Knob) Kwikset Signature Series 780 (Dead bolt)	1	
	Door: Hoppe Multi-point lockset HLS 9000	1	
	Sidelite: Hoppe Multi-point lockset OSL Series	1	
4, 5, 6	4" Butt Hinges	4 per door and sidelite	Install hardware and components in accordance with Therma-Tru drawing: TX-4292 Rev 1 Dated January 2, 2013, signed and sealed Lyndon F. Schmidt, P.E. on July 21, 2015.
	Lock and deadbolt strike plate or Multi-point lock strike plate	1 per lockset and deadbolt or 1 per latch/deadbolt combo and 1 per tongue strike	
	Door: Kwikset Signature Series (Knob) Kwikset Signature Series 780 (Dead bolt)	1	
	Door: Hoppe Multi-point lock set HLS 9000	1	
	Sidelite: Hoppe Multi-point lockset OSL Series	1	

Product Identification (Manufacturer Label on Door):

System		
1, 2, 3, 4, 5, 6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Doors
	Test Standards	ASTM E330-02
	Drawing Number	TX-4291 Rev 1 or TX-4292 Rev 1

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4, 5, 6	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

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, 2, 3, 4, 5, 6	Type of Installation	Install and anchor doors and sidelites in accordance with Therma-Tru Corporation drawings TX-4291 Rev 1 and TX-4292 Rev 1, dated January 2, 2013, signed and sealed by Lyndon F. Schmidt, P.E. on July 21, 2015.
	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, the IBC, and the Texas Revisions.