

## Product Evaluation

DR276 | 1120

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-276

**Effective Date:** November 1, 2020

**Re-evaluation Date:** November 2024

**Product Name:** 6'-8" Opaque Fiberglass Side Hinged Doors, Inswing and Outswing, Singles and Doubles, with or without Non-Impact Resistant Sidelites, Impact Resistant

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

### General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6'-8" Classic-Craft Rustic Radius Top Single Door (X)	+90 / -95 psf	TX-4184
2	3'-0" x 6'-8" Classic-Craft Single Door (X)	+100 / - 100 psf	TX-4185
3	3'-0" x 6'-8" Fiber-Classic and Smooth-Star Single Door (X)	Inswing: +75 / -75 psf Outswing: +80 / -80 psf	TX-4185
4	3'-0" x 6'-8" Classic-Craft Rustic Single Door (X)	+90 / -95 psf	TX-4185
5	3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion (OX, XO)	+65 / -65 psf	TX-4186
6	3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions (OXO)	+65 / -65 psf	TX-4187
7	6'-0" x 6'-8" Double Door (XX)	+70 / -70 psf	TX-4188

**General Description (continued):**

System	Description	Label Rating	Drawing Number
8	6'-0" x 6'-8" Double Door w/ Boxed Sidelites & Combination Reinforced Mullions (OXXO)	+70 / -70 psf	TX-4189

**Product Dimensions:**

System	Max. Overall Size	Operable Panel Size	Sidelite Panel Daylight Opening Size
1-4	37-3/4" x 82-1/4"	35-15/16" x 79-1/4"	N/A
5	54" x 82-1/4"	35-15/16" x 79-1/4"	6-3/4" x 63"
6	70-1/4" x 82-1/4"	35-15/16" x 79-1/4"	6-3/4" x 63"
7	74-5/16" x 82-1/4"	35-15/16" x 79-1/4"	N/A
8	105-5/16" x 82-1/4"	35-15/16" x 79-1/4"	6-3/4" x 63"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-8	Hinges	3	Install hardware in accordance with Therma-Tru drawings No. TX-4184 through TX-4189, dated July 17, 2012. Revision 1 (Rev. 2 for TX-4185 through TX-4189,) dated May 6, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 7, 2020.
	Lock: Kwikset 200 Series Deadbolt: Kwikset 600 Series	1 each	
	Latch and Deadbolt strike plates	1 each	
	Astragal strike plates (Systems 7-8 ONLY)	1 at head 1 at sill	

**Product Identification (Manufacturer Label on Door):**

System		
1-4	Certification agency	Self-labeled
	Manufacturer's name	Therma-Tru Doors
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D
5-6	Certification agency	Self-labeled
	Manufacturer's name	Therma-Tru Doors
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles w/ or w/out Non-Impact Resistant Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

**Product Identification (Manufacturer Label on Door) - continued:**

System		
7-8	Certification agency	Self-labeled
	Manufacturer's name	Therma-Tru Doors
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Doubles w/ or w/out Non-Impact Resistant Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-8	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.
5-6, 8 Sidelites	No	Provide an impact protective system when installing the product in areas that require windborne debris.

**Installation:**

System		
1-8	Type of installation	Install in accordance with Therma-Tru drawings No. TX-4184 through TX-4189, dated July 17, 2012. Revision 1 (Rev. 2 for TX-4185 through TX-4189,) dated May 6, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 7, 2020.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

**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.