

## Product Evaluation

DR1182 | 0721

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-1182

**Effective Date:** July 1, 2021

**Re-evaluation Date:** July 2025

**Product Name:** Molded Open, Glazed and Opaque, Fiberglass Side Hinged Doors, Inswing and Outswing, Singles and Doubles, with or without Molded Open Sidelites, Impact Resistant

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

### General Description:

System	Description	Label Rating (psf)		Drawing Number
		Latch & Deadbolt	Multipoint Lock	
1	3'-0" x 6'-8" Glazed Single Door; X	Inswing: +60 / -65 Outswing: +60 / -60	+50 / -50	TX-5209
2	3'-0" x 6'-8" Glazed Single Door w/ Boxed Sidelites & Combination Mullions; OX, XO, OXO	Inswing: +55 / -65 Outswing: +60 / -60	+50 / -50	TX-5210
3	6'-0" x 6'-8" Glazed Double Door; XX	Inswing: +55 / -65 Outswing: +60 / -60	Inswing: +60 / -65 Outswing: +60 / -60	TX-5211

**General Description:**

System	Description	Label Rating (psf)		Drawing Number
		Latch & Deadbolt	Multipoint Lock	
4	6'-0" x 6'-8" Glazed Double Door w/ Boxed Sidelites & Combination Mullions; OXXO	Inswing: +55 / -65 Outswing: +60 / -60	Inswing: +60 / - 65 Outswing: +60 / -60	TX-5211
5	3'-0" x 6'-8" Opaque Single Door w/ Boxed Sidelites & Combination Mullions; OX, XO, OXO	Inswing: +55 / -65 Outswing: +60 / -60	+50 / -50	TX-5212
6	6'-0" x 6'-8" Glazed Double Door w/ Boxed Sidelites & Combination Mullions; OXXO	Inswing: +55 / -65 Outswing: +60 / -60	Inswing: +60 / - 65 Outswing: +60 / -60	TX-5213

**Product Dimensions:**

System	Maximum Overall Size	Operable Panel Size	Maximum Door Panel Daylight Opening Size	Sidelite Panel Daylight Opening Size
1	37-3/4" x 82"	36" x 79-1/4"	20-7/8" x 63"	N/A
2	112-3/4" x 82"	36" x 79-1/4"	20-7/8" x 63"	20-7/8" x 63"
3	74-1/2" x 82"	36" x 79-1/4"	20-7/8" x 63"	N/A
4	149-1/2" x 82"	36" x 79-1/4"	20-7/8" x 63"	20-7/8" x 63"
5	112-3/4" x 82"	36" x 79-1/4"	N/A	20-7/8" x 63"
6	149-1/2" x 82"	36" x 79-1/4"	N/A	20-7/8" x 63"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-2, 5	Hinges	3	Install hardware in accordance with drawings No. TX-5209, TX-5210, and TX-5212, dated May 27, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on June 8, 2021.
	Schlage F51 Knob and B60 Deadbolt, Kwikset Signature Series Knob and 980 Deadbolt, or Hoppe MPDGART 3-pt Manual Tongue Multipoint Lock	1 each	
	Latch and Deadbolt strike plates	1 each	
	Tongue strike plate (Multipoint point lock)	1	

**Components and Hardware:**

System	Component	Quantity	Attachment Method
3-4, 6	Hinges	3	Install hardware in accordance with drawings No. TX-5211 and TX-5213, dated May 27, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on June 8, 2021.
	Schlage F51 Knob and B60 Deadbolt, Kwikset Signature Series Knob and 980 Deadbolt, or Hoppe MPDGSB 3-pt Manual Shootbolt Multipoint Lock	1 each	
	Latch and Deadbolt strike plates	1 each	
	Tongue strike plate (Multipoint point lock)	1	
	Astragal strike plate	1	

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

System		
1-4	Manufacturer's name or code name	Therma-Tru Corporations
	Product name	Molded Open Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Singles & Doubles w/ or w/out Molded Open Sidelites, Impact Resistant
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D
5-6	Manufacturer's name or code name	Therma-Tru Corporations
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Singles & Doubles w/ or w/out Molded Open Sidelites, Impact Resistant
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-6	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.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations in this report.

**Installation:**

System		
1-6	Type of installation	Install in accordance with drawings No. TX-5209, TX-5210, TX-5211, TX-5212, and TX-5213, dated May 27, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on June 8, 2021.
	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.