

Product Evaluation

DR945 | 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-945

Effective Date: November 1, 2021

Re-evaluation Date: November 2025

Product Name: Glazed Fiberglass Side Hinged Doors, Inswing and Outswing, Singles and Doubles, with or without 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" Single Door (X)	<p><u>Latch & Deadbolt:</u> Inswing: +47 / -53 psf Outswing: +50 / -50 psf</p> <p><u>Multipoint Lock:</u> +50 / -50 psf</p>	TX-4729
2	3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion (XO, OX)	Inswing: +47 / -50 psf Outswing: +50 / -50 psf	TX-4730
3	3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions (OXO)	Inswing: +47 / -50 psf Outswing: +50 / -50 psf	TX-4730

General Description:

System	Description	Label Rating	Drawing Number
4	6'-0" x 6'-8" Double Door (XX)	Inswing: +47 / -50 psf Outswing: +50 / -50 psf	TX-4731
5	6'-0" x 6'-8" Double Door w/ Boxed Sidelites (OXXO)	Inswing: +47 / -50 psf Outswing: +50 / -50 psf	TX-4731
6	3'-0" x 8'-0" Single Door (X)	+50 / -50 psf	TX-4732
7	3'-0" x 8'-0" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion (OX, XO)	+50 / -50 psf	TX-4733
8	3'-0" x 8'-0" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions (OXO)	+50 / -50 psf	TX-4733
9	6'-0" x 8'-0" Double Door (XX)	+50 / -50 psf	TX-4734
10	6'-0" x 8'-0" Double Door w/ Boxed Sidelites (OXXO)	+50 / -50 psf	TX-4734

Product Dimensions:

System	Maximum Overall Size	Operable Panel Size	Panel Daylight Opening Size
1	37-3/4" x 82"	36" x 79-1/4"	Door: 20-7/8" x 63-1/4" Sidelite: N/A
2	76-3/4" x 82"	36" x 79-1/4"	Door & Sidelite: 20-7/8" x 63-1/4"
3	115-3/4" x 82"	36" x 79-1/4"	Door & Sidelite: 20-7/8" x 63-1/4"
4	74-3/4" x 82"	36" x 79-1/4"	Door: 20-7/8" x 63-1/4" Sidelite: N/A
5	152-3/4" x 82"	36" x 79-1/4"	Door & Sidelite: 20-7/8" x 63-1/4"
6	37-3/4" x 98"	36" x 95-1/4"	Door: 20-7/8" x 78-7/8" Sidelite: N/A
7	76-3/4" x 98"	36" x 95-1/4"	Door & Sidelite: 20-7/8" x 78-7/8"
8	115-3/4" x 98"	36" x 95-1/4"	Door & Sidelite: 20-7/8" x 78-7/8"
9	74-3/4" x 98"	36" x 95-1/4"	Door: 20-7/8" x 78-7/8" Sidelite: N/A
10	152-3/4" x 98"	36" x 95-1/4"	Door & Sidelite: 20-7/8" x 78-7/8"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-10	Hinges	3 (6'-8" doors) 4 (8'-0" doors)	Install hardware in accordance with drawing No. TX-4729 through TX-4734, dated October 24, 2017, revised September 22, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on September 23, 2021.
	Knob: Schlage F51 Deadbolt: Schlage B60 OR Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980) OR Multipoint: Hoppe MPDGART 3 pt. Manual Tongue	1 each	
	Latch and Deadbolt strike plates	1 each	
	Multipoint strike plate	1	

Product Identification (Manufacturer Label on Door):

System		
1-10	Manufacturer's name	Therma-Tru Doors
	Product name	Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Singles & Doubles w/ or w/out Sidelites, Impact Resistant
	Test standards	ASTM E330-14 ASTM E1886-13a/E1996-14a; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-10	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 specified in this report.

Installation:

System		
1-10	Type of installation	Install in accordance with drawing No. TX-4729 through TX-4734, dated October 24, 2017, revised September 22, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on September 23, 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.