

Product Evaluation

DR1159 | 0521

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-1159

Effective Date: May 1, 2021

Re-evaluation Date: May 2025

Product Name: Fiber-Classic and Smooth-Star Lip Lite or Flush Glazed Fiberglass Side Hinged Entry Doors, Inswing, Singles and Doubles, with Direct Set Sidelites, Non-Impact Resistant

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

General Description:

System	Description	Label Rating		Drawing Number
		FJ Pine Jams	Composite Jams	
1	3'-0" x 6'-8" Lip Lite Glazed Single Door w/ Sidelites & Combination Mullions (OX, XO, OXO)	+40 / -45 psf	+35 / -45 psf	TX-5140
2	3'-0" x 6'-8" Lip Lite Glazed Single Door w/ Sidelites & Combination Reinforced Mullions (OX, XO, OXO)	+40 / -45 psf	+45 / -50 psf	TX-5140
3	6'-0" x 6'-8" Lip Lite Glazed Double Door w/ Sidelites & Combination Mullions (OXXO)	+40 / -45 psf		TX-5141

General Description continued:

System	Description	Label Rating		Drawing Number
		FJ Pine Jamb	Composite Jamb	
4	6'-0" x 6'-8" Lip Lite Glazed Double Door w/ Sidelites & Combination Reinforced Mullions (OXXO)	+40 / -45 psf	+45 / -50 psf	TX-5141
5	3'-0" x 6'-8" Flush Glazed Single Door w/ Sidelites & Combination Mullions (OX, XO, OXO)	+50 / -55 psf	+35 / -45 psf	TX-5140
6	3'-0" x 6'-8" Flush Glazed Single Door w/ Sidelites & Combination Reinforced Mullions (OX, XO, OXO)	+50 / -55 psf	+45 / -50 psf	TX-5140
7	6'-0" x 6'-8" Flush Glazed Double Door w/ Sidelites & Combination Mullions (OXXO)	+50 / -55 psf	+40 / -45 psf	TX-5141
8	6'-0" x 6'-8" Flush Glazed Double Door w/ Sidelites & Combination Reinforced Mullions (OXXO)	+50 / -55 psf	+45 / -50 psf	TX-5141
9	3'-0" x 7'-0" Lip Lite Glazed Single Door w/ Sidelites & Combination Mullions (OX, XO, OXO)	+40 / -45 psf		TX-5142
10	3'-0" x 7'-0" Lip Lite Glazed Single Door w/ Sidelites & Combination Reinforced Mullions (OX, XO, OXO)	+40 / -45 psf		TX-5142
11	6'-0" x 7'-0" Lip Lite Glazed Double Door w/ Sidelites & Combination Mullions (OXXO)	+40 / -45 psf		TX-5143
12	3'-0" x 8'-0" Lip Lite Glazed Single Door w/ Sidelites & Combination Mullions (OX, XO, OXO)	+35 / -40 psf	+30 / -40 psf	TX-5144
13	3'-0" x 8'-0" Lip Lite Glazed Single Door w/ Sidelites & Combination Reinforced Mullions (OX, XO, OXO)	+35 / -40 psf		TX-5144
14	6'-0" x 8'-0" Lip Lite Glazed Double Door w/ Sidelites & Combination Mullions (OXXO)	+30 / -35 psf		TX-5145
15	6'-0" x 8'-0" Lip Lite Glazed Double Door w/ Sidelites & Combination Reinforced Mullions (OXXO)	+35 / -40 psf		TX-5145
16	3'-0" x 8'-0" Flush Glazed Single Door w/ Sidelites & Combination Mullions (OX, XO, OXO)	+30 / -45 psf	+30 / -40 psf	TX-5144
17	3'-0" x 8'-0" Flush Glazed Single Door w/ Sidelites & Combination Reinforced Mullions (OX, XO, OXO)	+30 / -45 psf	+50 / -50 psf	TX-5144

General Description continued:

System	Description	Label Rating		Drawing Number
		FJ Pine Jamb	Composite Jamb	
18	6'-0" x 8'-0" Flush Glazed Double Door w/ Sidelites & Combination Mullions (OXXO)	+30 / -35 psf	+30 / -40 psf	TX-5145
19	6'-0" x 8'-0" Flush Glazed Double Door w/ Sidelites & Combination Reinforced Mullions (OXXO)	+45 / -45 psf	+50 / -50 psf	TX-5145

Product Dimensions:

System	Maximum Overall Size	Maximum Operable Panel Size	Maximum Panel Daylight Opening Size
1-2, 5-6	71-3/4" x 82"	36" x 79-1/4"	Door: 26" x 63-3/8" Sidelite: 13" x 78-1/4"
3-4, 7-8	108-1/2" x 82"	36" x 79-1/4"	Door: 26" x 63-3/8" Sidelite: 13" x 78-1/4"
9-10	71-3/4" x 86"	36" x 83-1/4"	Door: 21-1/8" x 63-1/4" Sidelite: 13" x 82-1/4"
11	105-1/2" x 86"	36" x 83-1/4"	Door: 21-1/8" x 63-1/8" Sidelite: 13" x 82-1/4"
12-13, 16-17	71-3/4" x 98"	36" x 95-1/4"	Door: 23-13/16" x 78-13/16" Sidelite: 13" x 94-1/4"
14-15, 18-19	108-1/2" x 98"	36" x 95-1/4"	Door: 23-13/16" x 78-13/16" Sidelite: 13" x 94-1/4"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-11	Hinges	3	Install hardware in accordance with drawings No. TX-5140, TX-5141, TX-5142, and TX-5143, dated January 6, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on March 4, 2021.
	Knob: Schlage F51 Deadbolt: Schlage B60 OR Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980)	1 each	
	Latch and deadbolt strike plates	1 each	
	Astragal strike plate (Systems 3-4, 7-8, 11)	1	

Components and Hardware:

System	Component	Quantity	Attachment Method
12-19	Hinges	4	Install hardware in accordance with drawings No. TX-5144 and TX-5145, dated January 6, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on March 4, 2021.
	Knob: Schlage F51 Deadbolt: Schlage B60 OR Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980)	1 each	
	Latch and deadbolt strike plates	1 each	
	Astragal strike plate (Systems 14-15, 18-19)	1	

Product Identification (Manufacturer Label on Door):

System		
1-4, 9-15	Manufacturer's name	Therma-Tru Corporation
	Product name	Lip Lite Glazed Fiberglass Side Hinged Doors, Inswing, Singles & Doubles w/ Direct Set Sidelites, Non-Impact Resistant
	Test standards	ASTM E330-14
5-8, 16-19	Manufacturer's name	Therma-Tru Corporation
	Product name	Flush Glazed Fiberglass Side Hinged Doors, Inswing, Singles & Doubles w/ Direct Set Sidelites, Non-Impact Resistant
	Test standards	ASTM E330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-19	No	Provide an impact protective system when installing the product in areas that require windborne debris.

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

Installation:

System		
1-19	Type of installation	Install in accordance with drawings TX-5140 through TX-5145, dated January 6, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on March 4, 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.