

Product Evaluation

DR952 | 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-952

Effective Date: November 1, 2021

Re-evaluation Date: November 2025

Product Name: Fiber-Classic and Smooth-Star Composite Edge Glazed Fiberglass 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 | <u>Kwikset/Schlage Lock</u> +55 / -55 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> Inswing: +55 / -60 psf Outswing: +55 / -55 psf | TX-4745 |
| 2 | 3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion; OX, XO | <u>Kwikset/Schlage Lock</u> +55 / -55 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> Inswing: +55 / -60 psf Outswing: +55 / -55 psf | TX-4746 |

General Description:

| System | Description | Label Rating | Drawing Number |
|---------------|--|--|-----------------------|
| 3 | 3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXO | <u>Kwikset/Schlage Lock</u> +55 / -55 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> Inswing: +55 / -60 psf Outswing: +55 / -55 psf | TX-4746 |
| 4 | 6'-0" x 6'-8" Double Door; XX | <u>Kwikset/Schlage Lock</u> +50 / -50 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> +55 / -55 psf | TX-4747 |
| 5 | 6'-0" x 6'-8" Double Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXXO | <u>Kwikset/Schlage Lock</u> +50 / -50 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> +55 / -55 psf | TX-4747 |
| 6 | 3'-0" x 8'-0" Single Door; X | <u>Kwikset/Schlage Lock</u> Inswing: +50 / -55 psf Outswing: +50 / -50 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> Inswing: +50 / -55 psf Outswing: +55 / -55 psf | TX-4748 |
| 7 | 3'-0" x 8'-0" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion; OX, XO | <u>Kwikset/Schlage Lock</u> Inswing: +50 / -55 psf Outswing: +50 / -50 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> Inswing: +50 / -55 psf Outswing: +55 / -55 psf | TX-4749 |
| 8 | 3'-0" x 8'-0" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXO | <u>Kwikset/Schlage Lock</u> Inswing: +50 / -55 psf Outswing: +50 / -50 psf <u>Hoppe/Therma-Tru Multipoint Lock</u> Inswing: +50 / -55 psf Outswing: +55 / -55 psf | TX-4749 |
| 9 | 6'-0" x 8'-0" Double Door; XX | Inswing: +50 / -55 psf Outswing: +50 / -50 psf | TX-4750 |
| 10 | 6'-0" x 8'-0" Double Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXXO | Inswing: +50 / -55 psf Outswing: +50 / -50 psf | TX-4750 |

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 78-7/8" Sidelite: N/A |
| 2 | 76-3/4" x 82" | 36" x 79-1/4" | Door & Sidelite: 20-7/8" x 78-7/8" |
| 3 | 115-3/4" x 82" | 36" x 79-1/4" | Door & Sidelite: 20-7/8" x 78-7/8" |
| 4 | 74-3/4" x 82" | 36" x 79-1/4" | Door: 20-7/8" x 78-7/8" Sidelite: N/A |
| 5 | 152-3/4" x 82" | 36" x 79-1/4" | Door & Sidelite: 20-7/8" x 78-7/8" |
| 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 & Sidelite: 20-7/8" x 78-7/8" |
| 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 (6'-8" doors) | 3 | Install hardware in accordance with drawing No. TX-4745 through TX-4748, and TX-4750, dated October 24, 2017, Drawing No. TX-4749, dated August 2, 2016. Revision 1 dated September 27, 2021. Signed and sealed by Lyndon F. Schmid, P.E. on September 27, 2021. |
| | Hinges (8'-0" doors) | 4 | |
| | Knob: Schlage F51 Deadbolt: Schlage B60 OR Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980) OR Multipoint Lock: Hoppe MPDGART (Single Doors) or MPDGSB (Double Doors) (3-pt Manual Tongue) | 1 each | |
| | Latch and Deadbolt strike plate | 1 each | |
| | Multipoint strike plate | 1 | |
| | Astragal strike plate (Systems 4-5, 9-10) | 1 | |
| | | | |

Product Identification (Manufacturer Label on Door):

| System | | |
|-----------|---------------------|---|
| 1, 6 | Manufacturer's name | Therma-Tru Corporation |
| | Product name | Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles, Impact Resistant |
| | Test standards | TAS 201, 202, 203-94; Large Missile Rated |
| 2-3, 7-8 | Manufacturer's name | Therma-Tru Corporation |
| | Product name | Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Singles w/ Sidelites, Impact Resistant |
| | Test standards | TAS 201, 202, 203-94; Large Missile Rated |
| 4-5, 9-10 | Manufacturer's name | Therma-Tru Corporation |
| | Product name | Fiber-Classic & Smooth-Star Composite Edge Glazed Fiberglass Doors, Inswing/Outswing, Doubles w/ or w/out Sidelites, Impact Resistant |
| | Test standards | TAS 201, 202, 203-94; Large Missile Rated |

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-4745 through TX-4748, and TX-4750, dated October 24, 2017, Drawing No. TX-4749, dated August 2, 2016. Revision 1 dated September 27, 2021. Signed and sealed by Lyndon F. Schmid, P.E. on September 27, 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.