

Product Evaluation

DR602 | 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-602

Effective Date: November 1, 2020

Re-evaluation Date: November 2024

Product Name: 6'-8" and 8'-0" Glazed Fiberglass Side Hinged Doors, Inswing and Outswing, Singles and Doubles, with or without Sidelites, Non-Impact Resistant

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

General Description: 6'-8" Doors

| System | Description | Label Rating | Drawing Number |
|--------|---|--|----------------|
| 1 | 3'-0" x 6'-8" Single Door (X) | <u>Fiber-Classic/Smooth-Star</u> Inswing: +35 / -40 psf Outswing: +35 / -35 psf <u>Classic-Craft</u> Inswing: +50 / -55 psf Outswing: +50 / -50 psf | TX-4262 |
| 2 | 3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion (OX, XO) | <u>Fiber-Classic/Smooth-Star</u> Inswing: +35 / -40 psf Outswing: +35 / -35 psf <u>Classic-Craft</u> Inswing: +50 / -55 psf Outswing: +50 / -50 psf | TX-4262 |

General Description: 6'-8" Doors

| System | Description | Label Rating | Drawing Number |
|--------|--|--|----------------|
| 3 | 3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions (OXO) | Fiber-Classic/Smooth-Star Inswing: +35 / -40 psf Outswing: +35 / -35 psf Classic-Craft Inswing: +50 / -55 psf Outswing: +50 / -50 psf | TX-4262 |
| 4 | 6'-0" x 6'-8 Double Door (XX) (Fiber-Classic/ Smooth-Star/ Classic-Craft) | Inswing: +35 / -40 psf Outswing: +35 / -35 psf | TX-4263 |
| 5 | 6'-0" x 6'-8 Double Door w/ Boxed Sidelites (OXXO) (Fiber-Classic/ Smooth-Star/ Classic-Craft) | Inswing: +35 / -40 psf Outswing: +35 / -35 psf | TX-4263 |

General Description: 8'-0" Doors

| System | Description | Label Rating | Drawing Number |
|--------|--|--|----------------|
| 6 | 3'-0" x 8'-0" Single Door (X) | Fiber-Classic/Smooth-Star Inswing: +30 / -35 psf Outswing: +30 / -30 psf Classic-Craft Inswing: +47 / -50 psf Outswing: +47 / -47 psf | TX-4264 |
| 7 | 3'-0" x 8'-0" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion (OX, XO) | Fiber-Classic/Smooth-Star Inswing: +30 / -35 psf Outswing: +30 / -30 psf Classic-Craft Inswing: +47 / -50 psf Outswing: +47 / -47 psf | TX-4264 |
| 8 | 3'-0" x 8'-0" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions (OXO) | Fiber-Classic/Smooth-Star Inswing: +30 / -35 psf Outswing: +30 / -30 psf Classic-Craft Inswing: +47 / -50 psf Outswing: +47 / -47 psf | TX-4264 |
| 9 | 6'-0" x 8'-0 Double Door (XX) (Fiber-Classic/ Smooth-Star/ Classic-Craft) | Inswing: +30 / -35 psf Outswing: +30 / -30 psf | TX-4265 |
| 10 | 6'-0" x 6'-8 Double Door w/ Boxed Sidelites (OXXO) (Fiber-Classic/ Smooth-Star/ Classic-Craft) | Inswing: +30 / -35 psf Outswing: +30 / -30 psf | TX-4265 |

Product Dimensions:

| System | Max. Overall Size | Operable Panel Size | Max. Panel Daylight Opening Size |
|--------|--------------------|---------------------|--|
| 1 | 37-3/4" x 82-1/8" | 36" x 79-1/4" | 21-1/8" x 63-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: N/A |
| 2 | 54-3/4" x 82-1/8" | 36" x 79-1/4" | 21-1/8" x 63-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: 7" x 64-7/8" |
| 3 | 71-3/4" x 82-1/8" | 36" x 79-1/4" | 21-1/8" x 63-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: 7" x 64-7/8" |
| 4 | 74-5/8" x 82-1/8" | 36" x 79-1/4" | 21-1/8" x 63-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: N/A |
| 5 | 105-5/8" x 82-1/8" | 36" x 79-1/4" | 21-1/8" x 63-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: 7" x 64-7/8" |
| 6 | 37-3/4" x 98-1/8" | 36" x 95-1/4" | 23-13/16" x 79-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: N/A |
| 7 | 54-3/4" x 98-1/8" | 36" x 95-1/4" | 23-13/16" x 79-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: 7" x 79-1/8" |
| 8 | 71-3/4" x 98-1/8" | 36" x 95-1/4" | 23-13/16" x 79-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: 7" x 79-1/8" |
| 9 | 74-5/8" x 98-1/8" | 36" x 95-1/4" | 23-13/16" x 79-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: N/A |
| 10 | 105-5/8" x 98-1/8" | 36" x 95-1/4" | 23-13/16" x 79-1/8" (Smooth-Star/Fiber Classic) 24-1/2" x 65-1/4" (Classic-Craft) Sidelite: 7" x 79-1/8" |

Components and Hardware:

| System | Component | Quantity | Attachment Method |
|--------|--|----------|--|
| 1-5 | Hinges | 3 | Install hardware in accordance with Therma-Tru drawings No. TX-4262 and TX-4263, dated October 8, 2012. Revision 3 dated May 14, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 14, 2020. |
| | Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980) OR Knob: Schlage F Series Deadbolt: Schlage B Series | 1 each | |
| | Latch & Deadbolt strike plates | 1 each | |
| | Astragal strike plate (Systems 4-5) | 1 | |

Components and Hardware:

| System | Component | Quantity | Attachment Method |
|--------|--|----------|---|
| 6-10 | Hinges | 4 | Install hardware in accordance with Therma-Tru drawings No. TX-4264 and TX-4265, dated October 8, 2012. Revision 3 (Rev. 4 for TX-4265) dated May 14, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 14, 2020. |
| | Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980) OR Knob: Schlage F Series Deadbolt: Schlage B Series | 1 each | |
| | Latch & Deadbolt strike plates (Standard or security for Kwikset hardware for Systems 6-8 ONLY) | 1 each | |
| | Astragal strike plate (Systems 9-10) | 1 | |

Note: Design pressures for the strike plate options on Kwikset hardware are limited. Refer to the approved drawings for design pressure limitations.

Product Identification (Manufacturer Label on Door):

| System | | |
|--------|----------------------|--|
| 1-10 | Certification agency | Self-labeled |
| | Manufacturer's name | Therma-Tru Doors |
| | Product name | Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Singles & Doubles w/ or w/out Sidelites, Non-Impact Resistant |
| | Test standards | ASTM E330-14 |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|---|
| 1-10 | 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 | | |
|--------|---------------------------|--|
| 1-10 | Type of installation | Install in accordance with Therma-Tru drawings No. TX-4262 through TX-4265, dated October 8, 2012. Revision 3 (Rev. 4 for TX-4265) dated May 14, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 14, 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.