



Product Evaluation

DR330 | 0716

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-330

Effective Date: July 1, 2016

Re-evaluation Date: July 2020

Product Name: 6'-8" Glazed Fiberglass Impact Resistant Doors, Inswing & Outswing, Singles & Doubles with and without Impact Resistant Sidelites

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

General Description:

| System | Description | Label Rating | Drawing Number |
|--------|--|---|------------------|
| 1 | 3'-0" x 6'-8" Glazed Fiberglass Single Door Inswing/Outswing (X) | Inswing +47/-53 psf Outswing +50/-50 psf | TX-4190 Rev 1 |
| 2 | 3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion Inswing/Outswing (XO), (OX) | Inswing +47/-53 psf Outswing +50/-50 psf | TX-4191 Rev 1 |
| 3 | 3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion Inswing/Outswing (OXO) | Inswing +47/-53 psf Outswing +50/-50 psf | TX-4192 Rev 1 |
| 4 | 6'-0" x 6'-8" Glazed Fiberglass Double Door, Inswing/Outswing (XX) | Inswing +47 / -53 psf Outswing +50 / -50 psf | TX-4193 Rev 1 |
| 5 | 6'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites & Combination Mullion Inswing/Outswing (OXXO) | Inswing +47/-53 psf Outswing +50/-50 psf | TX-4194 Rev 1 |

Dimensions:

| System | Overall Size | Door Panel Size | Sidelite Panel Size | Max Daylight Opening size |
|--------|--|---|---------------------|--|
| 1 | Inswing: 37-3/4" x 82" Outswing: 37-3/4" x 80.62" | 36" x 79-1/4" | NA | Door: 21" x 63-1/4" Sidelite: NA |
| 2 | Inswing: 76-3/4" x 82" Outswing: 76-3/4" x 80.62" | 36" x 79-1/4" | 36" x 79-1/4" | Door: 21" x 63-1/4" Sidelite: 21" x 63 1/4" |
| 3 | Inswing: 115-3/4" x 82" Outswing: 115-3/4" x 80.62" | 36" x 79-1/4" | 36" x 79-1/4" | Door: 21" x 63-1/4" Sidelite: 21" x 63-1/4" |
| 4 | Inswing: 74-1/2" x 82" Outswing: 74-1/2" x 80.62" | 36" x 79-1/4" 36-3/4" x 79-1/4" (with astragal) | NA | Door: 21" x 63-1/4" Sidelite: NA |
| 5 | Inswing: 149-1/2" x 82" Outswing: 149-1/2" x 80.62" | 36" x 79-1/4" 36-3/4" x 79-1/4" (with astragal) | 36" x 79-1/4" | Door: 21" x 63-1/4" Sidelite: 21" x 63-1/4" |

Hardware Description and Installation:

| System | Component | Quantity | Attachment Method |
|--------|---|----------------------------|--|
| 1-5 | 4" Butt Hinges | 3 | For proper installation of hardware and components refer to Therma-Tru Corporation Drawings: TX-4190 Rev 1, TX-4191 Rev 1, TX-4192 Rev 1, TX-4193 Rev1, and TX-4194 Rev 1, dated July 17, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on July 22, 2015. |
| | Lock and deadbolt strike plate | 1 per lockset and deadbolt | |
| | Kwikset 200 Series Passage Lock and Kwikset 600 Series Deadbolt | 1 each | |

Product Identification (Manufacturer Label on Door):

| System | | |
|--------|----------------------------------|--|
| 1 | Certification Agency | Self-labeled by manufacturer |
| | Manufacturer's Name or Code Name | Therma-Tru Corporation, Edgerton, OH |
| | Product Name | Glazed Fiberglass 3'-0" x 6'-8" Single Door (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic) |
| | Test Standards | ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02 |
| 2 | Certification Agency | Self-labeled by manufacturer |
| | Manufacturer's Name or Code Name | Therma-Tru Corporation, Edgerton, OH |
| | Product Name | Glazed Fiberglass 3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic) |
| | Test Standards | ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02 |
| 3 | Certification Agency | Self-labeled by manufacturer |
| | Manufacturer's Name or Code Name | Therma-Tru Corporation, Edgerton, OH |
| | Product Name | Glazed Fiberglass 3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Reinforced Mullion (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic) |
| | Test Standards | Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02 |

Product Identification (Manufacturer Label on Door cont.):

| System | | |
|--------|----------------------------------|--|
| 4 | Certification Agency | Self-labeled by manufacturer |
| | Manufacturer's Name or Code Name | Therma-Tru Corporation, Edgerton, OH |
| | Product Name | Glazed Fiberglass 6'-0" x 6'-8" Double Door (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic) |
| | Test Standards | Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02 |
| 5 | Certification Agency | Self-labeled by manufacturer |
| | Manufacturer's Name or Code Name | Therma-Tru Corporation, Edgerton, OH |
| | Product Name | Glazed Fiberglass 6'-0" x 6'-8" Double Door w/ Boxed Sidelites & Combination Mullion (Smooth Star, Fiber Classic, Classic Craft, Classic Craft Rustic) |
| | Test Standards | ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02 |

Impact Resistance:

| System | Impact Resistant | Requirement |
|---------------------------------------|------------------|--|
| 1-5 Glazed Doors & Sidelites | Yes | These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. |

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

Installation:

| System | | |
|--------|---------------------------|--|
| 1-5 | Type of Installation | For proper installation of doors and sidelites refer to Therma-Tru Corporation drawings: TX-4190 Rev 1, TX-4191 Rev 1, TX-4192 Rev 1, TX-4193 Rev1, and TX-4194 Rev 1, dated July 17, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on July 22, 2015. |
| | Wall Framing | |
| | Fasteners | |
| | Fastener Embedment | |
| | Fastener Location/Spacing | |

Sidelites: Sidelites must only be used with doors. Sidelites must not be installed individually.

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.