

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION
DR-603

Effective Date: March 1, 2013
Reevaluation Date: **March 2017**

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.

6'-8" Opaque Steel Entry Profile Series Impact Resistant Doors, Inswing & Outswing, Singles & Doubles with and without Non-impact Sidelites, manufactured by

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

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6'-8" Opaque Steel Single Door, Inswing/Outswing; (X)	Inswing +55/-60 psf Outswing +55/-55 psf	TX-4228
2	3'-0" x 6'-8" Opaque Steel Single Door w/ Sidelite & Integral Mullion, Inswing/Outswing; (OX/XO)	Inswing +55/-60 psf Outswing +55 / -55 psf	TX-4228
3	3'-0" x 6'-8" Opaque Steel Single Door w/ Sidelites & Integral Mullion, Inswing/Outswing: (OXO)	Inswing +55/-60 psf Outswing +55/-55 psf	TX-4228

General Description (continued):

System	Description	Label Rating	Drawing Number
4	6'-0" x 6'-8" Opaque Steel Double Door, Inswing/Outswing; (XX)	Inswing +50/-55 psf Outswing +50/-50 psf	TX-4229
5	6'-0" x 6'-8" Opaque Steel Double Door w/ Sidelites, Inswing/Outswing; (OXXO)	Inswing +50/-55 psf Outswing +50/-50 psf	TX-4229

Component Dimensions:

System	Overall Size	Panel Size	Overall Daylight Panel Size	Maximum Daylight Opening Size
1	Inswing: 37 ³ / ₄ " x 82 ¹ / ₈ " Outswing: 37 ³ / ₄ " x 81 ³ / ₁₆ "	36" x 79 ¹ / ₄ "	NA	NA
2	Inswing: 54 ³ / ₄ " x 82 ¹ / ₈ " Outswing: 54 ³ / ₄ " x 81 ³ / ₁₆ "	36" x 79 ¹ / ₄ "	14" x 79 ¹ / ₄ "	6" x 63"
3	Inswing: 71 ³ / ₄ " x 82 ¹ / ₈ " Outswing: 71 ³ / ₄ " x 81 ³ / ₁₆ "	36" x 79 ¹ / ₄ "	14" x 79 ¹ / ₄ "	6" x 63"
4	Inswing: 74.62" x 82 ¹ / ₈ " Outswing: 74.62" x 81 ³ / ₁₆ "	36" x 79 ¹ / ₄ "	NA	NA
5	Inswing: 105.62" x 82 ¹ / ₈ " Outswing: 105.62" x 81 ³ / ₁₆ "	36" x 79 ¹ / ₄ "	14" x 79 ¹ / ₄ "	6" x 63"

Hardware and Component Dimensions:

System	Component	Quantity	Attachment Method
1-5	4" Butt Hinges	3	Hardware and components shall be installed in accordance with Thermo-Tru Corporation drawings TX-4228 and TX-4229, dated August 16, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on September 13, 2012.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series or Schlage "F" Series (F10) lockset	1	
	Kwikset Signature Series (780) or Schlage "B" Series (B60/62) deadbolt		

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Steel Single Door Profile Series
	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	Opaque Steel Single Door Profile Series with Sidelite
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Steel Single Door Profile Series with Sidelites
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02
4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Steel Double Door Profile Series
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02
5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Steel Double Door Profile Series with Sidelites
	Test Standards	Opaque Door: ASTM E330-02; ASTM E 1886-02; ASTM E 1996-02; Sidelite: ASTM E330-02

Impact Resistance:

Component	Impact Resistant	Requirement
Opaque Doors	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.

Impact Resistance:

Component	Impact Resistant	Requirement
Sidelites	No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System			
1-5	Type of Installation	Door Frame	
	Wall Framing	Wood (G \geq 0.42) or Concrete (minimum 3,000 psi)	
	Fastener Embedment	Wood: Minimum of 1.15 inches into wood framing Concrete: Minimum of 1 $\frac{3}{4}$ inches into the concrete	
	Fastener Location/Spacing	Head	The doors shall be installed and anchored in accordance with Therma-Tru drawings TX-4228 and TX-4229, dated August 16, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on September 13, 2012.
		Sill	
Side Jamb			
Sidelites			
Hinges			

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.