



Product Evaluation

DR586 | 0915

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-586

Effective Date: September 1, 2015

Re-evaluation Date: November 2018

Product Name: 6'-8" and 8'-0" Glazed Therma-Tru Steel Doors, Inswing & Outswing, Singles with and without Sidelites, and Doubles, Non-impact Resistant

Manufacturer: Endura Products, Inc.
8811 West Market Street
Colfax, NC 27235
(336) 668-2472

General Description:

System	Description	Label Rating	Drawing Number
1	6'-0" x 6'-8" Glazed Steel Double Door, Inswing/Outswing (XX)	Inswing +35/-40 psf Outswing +30/-30 psf	TX-4208
2	6'-0" x 8'-0" Glazed Steel Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing +30/-35 psf Outswing +45/-45 psf <u>Ultimate Multi-point Astragal</u> Inswing +40/-45 psf Outswing +40/-40 psf	TX-4209

General Description (continued):

System	Description	Label Rating	Drawing Number
3	3'-0" x 6'-8" Glazed Steel Single Door w/ Sidelites & Integral Mullion Inswing/Outswing (OXO)	Inswing +35/-40 psf Outswing +40/-40 psf	TX-4210
4	3'-0" x 8'-0" Glazed Steel Single Door w/ Sidelites & Integral Mullion Inswing/Outswing (OXO)	Inswing +30/-35 psf Outswing +25/-25 psf	TX-4211
5	3'-0" x 6'-8" Glazed Steel Single Door, Inswing/Outswing (X)	Inswing +35/-40 psf Outswing +40/-40 psf	TX-4421
6	3'-0" x 8'-0" Glazed Steel Single Door, Inswing/Outswing (X)	Inswing +30/-35 psf Outswing +25/-25 psf	TX-4422

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 74.44" x 81.94" Outswing: 74.44" x 81-1/8"	36" x 79-1/4"	21" x 63"
2	Inswing: 74.44" x 97.94" Outswing: 74.44" x 97-1/8"	36" x 95-1/4"	21" x 79"
3	Inswing: 112.94" x 81.94" Outswing: 112.94" x 81-1/8"	Door: 36" x 79-1/4" Sidelite: 36" x 79-1/4"	Door: 21" x 63" Sidelite: 21" x 63"
4	Inswing: 112.94" x 97.94" Outswing: 112.94" x 97-1/8"	Door: 36" x 95-1/4" Sidelite: 36" x 95-1/4"	Door: 21" x 79" Sidelite: 21" x 79"
5	Inswing: 37.75" x 82" Outswing: 37.75" x 81-1/8"	36" x 79-1/4"	21" x 63"
6	Inswing: 37.75" x 97.94" Outswing: 37.75" x 97-1/8"	36" x 95-1/4"	21" x 79"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-6	4" Butt Hinges	3 (6'-8" doors) 4 (8'-0" doors)	Install hardware in accordance with Endura Products drawings TX-4208 and TX-4209, dated September August 8, 2012 (revised May 5, 2015), drawings TX-4210 and TX-4211 dated August 8, 2012, (revised January 6, 2014), and drawings TX-4421 and TX-4422 dated December 10, 2013. Lyndon F. Schmidt, P.E. signed and sealed the drawings on January 7, 2014 except for drawings TX-4208 and TX-4209 which are signed and sealed May 11, 2015.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series (991) Lockset and Kwikset Signature Series (980/985) deadbolt	1	

Product Identification (Certification Agency Label on Door):

System		
1-6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Steel Doors
	Test Standards	ASTM E330-02

Impact Resistance:

System	Impact Resistant	Requirement
1-6	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System			
1-6	Type of Installation	Door Frame	
	Wall Framing	Wood ($G \geq 0.42$) or Concrete (minimum 3000 psi)	
	Fasteners	Minimum No. 10 x 2-1/2" Screws	
	Fastener Embedment	Minimum of 1.15" into the wall framing & 1-3/4" into concrete sill	
	Fastener Location/Spacing	Head	Install and anchor the doors in accordance with Endura Products drawings TX-4208 and TX-4209, dated September August 8, 2012 (revised May 5, 2015), drawings TX-4210 and TX-4211 dated August 8, 2012, (revised January 6, 2014), and drawings TX-4421 and TX-4422 dated December 10, 2013. Lyndon F. Schmidt, P.E. signed and sealed the drawings on January 7, 2014 except for drawings TX-4208 and TX-4209 which are signed and sealed May 11, 2015.
		Sill	
		Side Jamb	
Hinges			

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