



# Product Evaluation

DR608 | 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-608

**Effective Date:** September 1, 2015

**Re-evaluation Date:** November 2018

**Product Name:** 6'-8" and 8'-0" Glazed Fiberglass Doors, Inswing & Outswing, Singles with Sidelites and Doubles, and 8'-0" Opaque Fiberglass Doors, 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" Therma-Tru Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	<u>Fiber Classic Door Panel</u> Inswing +35/-35 psf Outswing +40/-40 psf <u>Smooth Star Door Panel</u> Inswing +35/-35 psf Outswing +45/-45 psf	TX-4216
2	6'-0" x 8'-0" Therma-Tru Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	<u>Fiber Classic Door Panel</u> Inswing +40/-40 psf Outswing +30/-30 psf <u>Smooth Star Door Panel</u> Inswing +35 /-35 psf Outswing +25/-25 psf	TX-4217

**General Description (continued):**

System	Description	Label Rating	Drawing Number
3	3'-0" x 6'-8" Therma-Tru Glazed Fiberglass Single Door w/ Sidelites & Integral Mullion, Inswing/Outswing; (OXO)	<u>Fiber Classic Door Panel</u> Inswing +45/-45 psf Outswing +40/-40 psf <u>Smooth Star Door Panel</u> Inswing +30/-30 psf Outswing +40 /-40 psf	TX-4218
4	3'-0" x 8'-0" Therma-Tru Glazed Fiberglass Single Door w/ Sidelites & Integral Mullion, Inswing/Outswing; (OXO)	<u>Fiber Classic Door Panel</u> Inswing +30/-30 psf Outswing +50/-50 psf <u>Smooth Star Door Panel</u> Inswing +30/-30 psf Outswing +35/-35 psf	TX-4219
5	3'-6" x 8'-0" Therma-Tru Opaque Fiberglass Single Door, Inswing; (X)	<u>Classic Craft</u> <u>Rustic Door Panel</u> Inswing +45/-45 psf	TX-4222
6	3'-0" x 6'-8" Glazed Fiberglass Single Door Inswing/Outswing (X)	<u>Fiber Classic Door Panel</u> Inswing +45/-45 psf Outswing +40/-40 psf <u>Smooth Star Door Panel</u> Inswing +30/-30 psf Outswing +40/-40 psf	TX-4427
7	3'-0" x 8'-0" Glazed Fiberglass Single Door Inswing/Outswing (X)	<u>Fiber Classic Door Panel</u> Inswing +30/-30 psf Outswing +50/-50 psf <u>Smooth Star Door Panel</u> Inswing +30/-30 psf Outswing +35/-35 psf	TX-4428

**Component Dimensions:**

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 74-1/16" x 81-3/4" Outswing: 74-1/16" x 80-15/16"	35-13/16" x 79-1/16"	26" x 63-5/16"
2	Inswing: 74-1/16" x 97.78" Outswing: 74-1/16" x 96.97"	35-13/16" x 95-1/16"	23-3/4" x 78-3/4"
3	Inswing: 112-3/8" x 81-3/4" Outswing: 112-3/8" x 80-15/16"	Panel: 35-13/16" x 79-16" Sidelite: 35-13/16" x 79-1/16"	26" x 63-5/16"
4	Inswing: 112-3/8" x 97.78" Outswing: 112-3/8" x 96.97"	Door: 35-13/16" x 95-1/16" Sidelite: 35-13/16" x 95-1/16"	23-3/4" x 78-3/4"
5	Inswing: 43.44" x 97-3/4"	Door: 41-3/4" x 95-1/16"	NA

**Component Dimensions:**

System	Overall Size	Panel Size	Maximum Daylight Opening Size
6	Inswing: 74-1/16" x 81-3/4" Outswing: 74-1/16" x 80-15/16"	Door: 35-13/16" x 79-1/16"	26" x 63-5/16"
7	Inswing: 74-1/16" x 97.78" Outswing: 74-1/16" x 96.97"	Door: 35-13/16" x 95-1/16"	23-1/4" x 78-3/4"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-7	4" Butt Hinges	3 (6'-8" doors) 4 (8'-0" doors)	Install hardware and components in accordance with Endura Products drawings TX-4216 and TX-4217, dated September 6, 2012 (revised May 5, 2015), drawings TX-4218, TX-4219, and TX-4222, dated September 6, 2012, (revised January 8, 2014), and drawings TX-4427 and TX-4428, dated January 8, 2014. Lyndon F. Schmidt, P.E. signed and sealed the drawings on January 8, 2014 except for drawings TX-4216 and TX-4217 which are signed and sealed May 11, 2015.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Multi-point Lockset: Hoppe HLS 9000	1	

**Product Identification (Certification Agency Label on Door):**

System		
1-7	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Doors
	Test Standards	ASTM E330-02
	Drawing Number	TX-4216, TX-4217, TX-4218, TX-4219, TX-4222, TX-4427, or TX-4428

**Impact Resistance:**

System	Impact Resistant	Requirement
1-7	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System			
1-7	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" PFH wood screws 1/4" Elco or ITW concrete screw	
	Fastener Embedment	Wood: Minimum of 1.15" into the wall framing Concrete: Minimum of 1-3/4" into the concrete	
	Fastener Location/Spacing	Head Sill Side Jamb Hinges	Install and anchor the doors in accordance with Endura Products drawings TX-4216 and TX-4217, dated September 6, 2012 (revised May 5, 2015), drawings TX-4218, TX-4219, and TX-4222, dated September 6, 2012, (revised January 8, 2014), and drawings TX-4427 and TX-4428, dated January 8, 2014. Lyndon F. Schmidt, P.E. signed and sealed the drawings on January 8, 2014 except for drawings TX-4216 and TX-4217 which are signed and sealed May 11, 2015.

**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.