



Product Evaluation

DR570 | 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-570

Effective Date: September 1, 2015

Re-evaluation Date: November 2017

Product Name: 6'-8" and 8'-0" Glazed Fiberglass Masonite 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" Lip Lite Glazed Fiberglass Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing: +40/-45 psf Outswing: +45/-45 psf <u>Ultimate Multi-point Astragal</u> Inswing: +45/-45 psf Outswing: +45/-45 psf <u>Ultimate Flip Lever Astragal</u> Inswing: +45/-52.5 psf Outswing: +45/-45 psf	TX-4164

General Description (continued):

System	Description	Label Rating	Drawing Number
2	6'-0" x 6'-8" Flush Glazed Fiberglass Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing: +50/-50 psf Outswing: +50/-50 psf <u>Ultimate Multi-point Astragal</u> Inswing: +55/-55 psf Outswing: +55/-55 psf <u>Ultimate Flip Lever Astragal</u> Inswing: +45/-50 psf Outswing: +45/-45 psf	TX-4164
3	6'-0" x 8'-0" Lip Lite Glazed Fiberglass Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing: +30/-35 psf Outswing: +30/-30 psf <u>Ultimate Multi-point Astragal</u> Inswing: +40/-40 psf Outswing: +40/-40 psf <u>Ultimate Flip Lever Astragal</u> Inswing: +25/-30 psf Outswing: +25/-25 psf	TX-4165
4	6'-0" x 8'-0" Flush Glazed Fiberglass Double Door, Inswing/Outswing, (XX)	<u>Ultimate Hurricane Astragal</u> Inswing: +35/-35 psf Outswing: +35/-35 psf <u>Ultimate Multi-point Astragal</u> Inswing: +40/-45 psf Outswing: +40/-40 psf <u>Ultimate Flip Lever Astragal</u> Inswing: +40/-45 psf Outswing: +40/-40 psf	TX-4165
5	3'-0" x 6'-8" Lip Lite Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing (OXO)	Inswing: +40/-40 psf Outswing: +35/-40 psf	TX-4166
6	3'-0" x 6'-8" Flush Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing (OXO)	Inswing: +50/-50 psf Outswing: +40/-40 psf	TX-4166
7	3'-0" x 8'-0" Lip Lite Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing (OXO)	Inswing: +35/-35 psf Outswing: +35/-40 psf	TX-4167
8	3'-0" x 8'-0" Flush Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing, (OXO)	Inswing: +35/-35 psf Outswing: +40/-45 psf	TX-4167

General Description (continued):

System	Description	Label Rating	Drawing Number
9	3'-0" x 6'-8" Lip Lite Glazed Fiberglass Single Door, Inswing/Outswing, (X)	Inswing: +40/-40 psf Outswing: +35/-40 psf	TX-4417
10	3'-0" x 6'-8" Flush Glazed Fiberglass Single Door, Inswing/Outswing, (X)	Inswing: +50/-50 psf Outswing: +40/-40 psf	TX-4417
11	3'-0" x 8'-0" Lip Lite Glazed Fiberglass Single Door, Inswing/Outswing (X)	Inswing: +35/-35 psf Outswing: +35/-40 psf	TX-4418
12	3'-0" x 8'-0" Flush Glazed Fiberglass Single Door, Inswing/Outswing, (X)	Inswing: +35/-35 psf Outswing: +40/-45 psf	TX-4418

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 74" x 82" Outswing: 74" x 81-1/8"	35-3/4" x 79-1/4"	21" x 63"
2	Inswing: 74" x 82" Outswing: 74" x 81-1/8"	35-3/4" x 79-1/4"	21" x 63"
3	Inswing: 74" x 98" Outswing: 74" x 97-1/8"	35-3/4" x 95"	21" x 79"
4	Inswing: 74" x 98" Outswing: 74" x 97-1/8"	35-3/4" x 95"	21" x 79"
5	Inswing: 112-1/4" x 82" Outswing: 112-1/4" x 81-1/8"	Door: 35-3/4" x 79-1/4" Sidelite: 35-3/4" x 79-1/4"	Door: 21" x 63" Sidelite: 21" x 63"
6	Inswing: 112-1/4" x 82" Outswing: 112-1/4" x 81-1/8"	Door: 35-3/4" x 79-1/4" Sidelite: 35-3/4" x 79-1/4"	Door: 21" x 63" Sidelite: 21" x 63"
7	Inswing: 112-1/4" x 98" Outswing: 112-1/4" x 97-1/8"	Door: 35-3/4" x 95-1/4" Sidelite: 35-3/4" x 95-1/4"	Door: 21" x 79" Sidelite: 21" x 79"
8	Inswing: 112-1/4" x 98" Outswing: 112-1/4" x 97-1/8"	Door: 35-3/4" x 95-1/4" Sidelite: 35-3/4" x 95-1/4"	Door: 21" x 79" Sidelite: 21" x 79"
9	Inswing: 37-1/2" x 82" Outswing: 37-1/2" x 81-1/8"	35-3/4" x 79-1/4"	21" x 63"
10	Inswing: 37-1/2" x 82" Outswing: 37-1/2" x 81-1/8"	35-3/4" x 79-1/4"	21" x 63"
11	Inswing: 37-1/2" x 98" Outswing: 37-1/2" x 97-1/8"	35-3/4" x 95-1/4"	21" x 79"

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
12	Inswing: 37-1/2" x 98" Outswing: 37-1/2" x 97-1/8"	35-3/4" x 95-1/4"	21" x 79"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-12	4" Butt Hinges	3 (6'-8" doors) 4 (8'-0" doors)	Hardware shall be installed in accordance with Endura Products drawings TX-4164 and TX-4165, dated July 3, 2012 (revised May 5, 2015), drawings TX-4166 and TX-4167, dated July 3, 2012 (revised November 26, 2013), and drawings TX-4417 and TX-4418, dated December 5, 2013. All drawings signed and sealed by Lyndon F. Schmidt P.E. on December 10, 2013 except drawings TX-4164 and TX-4165 which are signed and sealed on 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 (Manufacturer's label on Door):

System		
1-12	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

Impact Resistance:

System	Impact Resistant	Requirement
1-12	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

System				
1-12	Type of Installation	Door Frame		
	Wall Framing	Spruce-Pine-Fir		
	Fasteners	Minimum No. 10 x 2-1/2" screws		
	Fastener Embedment	Minimum 1-1/2" into the wall framing		
	Fastener Location/Spacing	Head	The doors must be installed and anchored in accordance with Endura Products drawings TX-4164 and TX-4165, dated July 3, 2012 (revised May 5, 2015), drawings TX-4166 and TX-4167, dated July 3, 2012, (revised November 26, 2013), and drawings TX-4417 and TX-4418, dated December 5, 2013. All drawings signed and sealed by Lyndon F. Schmidt, P.E. on December 10, 2013 2013 except drawings TX-4164 and TX-4165 which are signed and sealed on May 11, 2015.	
		Sill		
Side Jamb				
Sidelites				
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.