

Product Evaluation

DR851 | 0122

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-851

Effective Date: January 1, 2022

Re-evaluation Date: May 2023

Product Name: 6'8" and 8'0" Plastptro Fiberglass Side Hinged Doors, Opaque, Singles w/ or w/out Sidelites, and Doubles, Inswing and Outswing, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Drawing Number
1	3'0" x 6'8" Plastptro Fiberglass Side Hinged Doors, Opaque, Inswing/Outswing, Singles (X)	Inswing: +45 / -45 psf Outswing: +60 / -60 psf	TX-4645
2	3'0" x 6'8" Plastptro Fiberglass Side Hinged Doors, Opaque, Inswing/Outswing, Single w/ Sidelites (OXO)	Inswing: +45 / -45 psf Outswing: +60 / -60 psf	TX-4646
3	6'0" x 6'8" Plastptro Fiberglass Side Hinged Doors, Opaque, Inswing/Outswing, Double (XX)	<u>Ultimate Hurricane Astragal</u> Inswing: +55 / -55 psf Outswing: +55 / -55 psf <u>Ultimate Multipoint Astragal</u> +55 / -55 psf	TX-4647

General Description (continued):

System	Description	Label Rating	Drawing Number
4	3'0" x 8'0" Plastptro Fiberglass Side Hinged Doors, Opaque, Inswing/Outswing, Singles (X)	Inswing: +45 / -45 psf Outswing: +40 / -40 psf	TX-4648
5	3'0" x 8'0" Plastptro Fiberglass Side Hinged Doors, Opaque, Inswing/Outswing, Single w/ Sidelites (OXO)	Inswing: +45 / -45 psf Outswing: +40 / -40 psf	TX-4649
6	6'0" x 8'0" Plastptro Fiberglass Side Hinged Doors, Opaque, Inswing/Outswing, Double (XX)	<u>Ultimate Hurricane Astragal</u> Inswing: +45 / -45 psf Outswing: +45 / -45 psf <u>Ultimate Multipoint Astragal</u> Inswing: +40 / -40 psf Outswing: +50 / -50 psf	TX-4650

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 37.5" x 82" Outswing: 37.5" x 81.125"	35.75" x 79.25"	N/A
2	Inswing: 112.25" x 82" Outswing: 112.25" x 81.125"	35.75" x 79.25"	Sidelite: 21" x 63"
3	Inswing: 74" x 82" Outswing: 74" x 81.125"	35.75" x 79.25"	N/A
4	Inswing: 37.5" x 98" Outswing: 37.5" x 97.125"	35.75" x 95.25"	N/A
5	Inswing: 112.25" x 98" Outswing: 112.25" x 97.125"	35.75" x 92.25"	Sidelite: 21.13" x 79.13"
6	Inswing: 74" x 98" Outswing: 74" x 97.125"	35.75" x 95.25"	N/A

Hardware:

System	Component	Quantity	Attachment Method
1-2	4" Hinge	3	Install according to Endura drawing TX-4645 and TX-4646 dated November 2, 2016. Revision 1 November 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 15, 2021.
	Deadbolt: Kwikset Signature Series (980/985) Latch: Kwikset Signature Series (991)	1 each	
	Latch Strike Plate	1	
	Deadbolt Strike Plate	1	

Hardware (continued):

System	Component	Quantity	Attachment Method
3, 6	4" Hinge	3 for 6'8" doors 4 for 8'0" doors	Install according to Endura drawing TX-4647 and TX-4650 dated November 2, 2016. Revision 2 dated November 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 15, 2021.
	Deadbolt: Kwikset Signature Series (980/985) Latch: Kwikset Signature Series (991)	1 each	
	Latch Strike Plate	1	
	Deadbolt Strike Plate	1	
4-5	4" Hinge	4	Install according to Endura drawing TX-4648 and TX-4649 dated November 2, 2016. Revision 1 dated November 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 15, 2021.
	Deadbolt: Kwikset Signature Series (980/985) Latch: Kwikset Signature Series (991)	1 each	
	Latch Strike Plate	1	
	Deadbolt Strike Plate	1	

Product Identification (Manufacturer Label on Door):

System		
1-2, 4-5	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	Endura Products, Inc
	Product name	Plastptro Opaque Fiberglass Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Single and Single w/ Sidelites
	Drawing	TX-4645, TX-4646, TX-4648, TX-4649
	Test standards	ASTM E330-14
3, 6	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	Endura Products, Inc
	Product name	Plastptro Opaque Fiberglass Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Double
	Drawing	TX-4647, TX-4650
	Test standards	ASTM E330-14

Impact Resistance:

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

Installation:

System		
1-2	Type of installation	Install according to Endura drawing TX-4645 and TX-4646 dated November 2, 2016. Revision 1 November 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 15, 2021.
	Wall framing	
	Fasteners	
	Fastener embedment	
	Fastener location/spacing	
3,6	Type of installation	Install according to Endura drawing TX-4647 and TX-4650 dated November 2, 2016. Revision 2 dated November 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 15, 2021.
	Wall framing	
	Fasteners	
	Fastener embedment	
	Fastener location/spacing	
4-5	Type of installation	Install according to Endura drawing TX-4648 and TX-4649 dated November 2, 2016. Revision 1 dated November 11, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on November 15, 2021.
	Wall framing	
	Fasteners	
	Fastener embedment	
	Fastener location/spacing	

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