



Product Evaluation

DR454 | 0415

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-454

Effective Date: April 1, 2015

Re-evaluation Date: November 2018

Product Name: 7'-0" Opaque Fiberglass Doors, Inswing / Outswing, Impact Resistant Door Panels, Singles & Doubles with and without Impact Resistant Sidelites

Manufacturer: Plastpro, Inc.
5200 W. Century Blvd.
Los Angeles, CA 90045
(440) 969-9773

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 7'-0" Opaque Fiberglass Single Door, Inswing / Outswing (X)	Inswing +50/-55 psf Outswing ±50 psf	TX-4070
2	3'-0" x 7'-0" Opaque Fiberglass Single Door, Inswing / Outswing w/ Boxed Sidelite & Combination Reinforced Mullion (XO /OX)	Inswing +50/-55 psf Outswing ±50 psf	TX-4070
3	3'-0" x 7'-0" Opaque Fiberglass Single Door, Inswing / Outswing w/ Boxed Sidelite & Combination Reinforced Mullion (OXO)	Inswing +50/-55 psf Outswing ±50 psf	TX-4070
4	6'-0" x 7'-0" Opaque Fiberglass Double Door, Inswing / Outswing (XX)	Inswing +50/-55 psf Outswing ±50 psf	TX-4071

General Description (continued):

System	Description	Label Rating	Drawing Number
5	6'-0" x 7'-0" Opaque Fiberglass Double Door, Inswing / Outswing w/ Boxed Sidelites & Combination Reinforced Mullion (OXXO)	Inswing +50/-55 psf Outswing ±50 psf	TX-4071

Component Dimensions:

System	Overall Size	Fixed/Operable Panel Size	Maximum Daylight Opening Size
1	Inswing: 37-1/4" x 86" Outswing: 37-1/4" x 84"	Door: 35-3/4" x 83-1/4"	N/A
2	Inswing: 76" x 86" Outswing: 76" x 84"	Door: 35-3/4" x 83-1/4" Sidelite: 35-3/4" x 83-1/4"	21" x 62-1/2"
3	Inswing: 114-3/4" x 86" Outswing: 114-3/4" x 84"	Door: 35-3/4" x 83-1/4" Sidelite: 35-3/4" x 83-1/4"	21" x 62-1/2"
4	Inswing: 74" x 86" Outswing: 74" x 84"	Door: 35-3/4" x 83-1/4"	N/A
5	Inswing: 151-1/2" x 86" Outswing: 151-1/2" x 84"	Door: 35-3/4" x 83-1/4" Sidelite: 35-3/4" x 83-1/4"	21" x 62-1/2"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-5	4" Steel Butt Hinges	3	Install hardware in accordance with Plastpro "Opaque Fiberglass Single Door w/ or w/o Sidelites Inswing / Outswing Impact" drawing TX-4070 and TX-4071 dated April 13, 2010, signed and sealed by Lyndon F. Schmidt P.E. on April 19, 2010.
	Trillanium Multi-point Lock Assembly by W & F	1	
	DLP Aluminum Astragal	1	

Product Identification (Manufacturer Label on Door):

System		
1-3	Manufacturer's Name or Code Name	Plastpro, Inc.
	Product Name	Opaque Fiberglass Door, Inswing / Outswing, Impact Resistant Door Panels, Singles with and without Impact Resistant Sidelites
	Drawing	TX-4070
	Test Standards	ASTM E330-02

Product Identification (Manufacturer Label on Door) - Continued:

System		
4-5	Manufacturer's Name or Code Name	Plastpro, Inc.
	Product Name	Opaque Fiberglass Door, Inswing / Outswing, Impact Resistant Door Panels, Doubles with and without Impact Resistant Sidelites
	Drawing	TX-4071
	Test Standards	ASTM E330-02

Impact Resistance:

System	Impact Resistant	Requirement
1-5	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assembly at a height on the structure that does not exceed the assembly's design pressure rating.

Installation:

System			
1-5	Type of Installation	New and Replacement Construction	
	Wall Framing	Minimum Spruce-Pine-Fir	
	Fasteners	Head, Sill and jambs: Minimum No. 10 x 3" long Philips-flat head wood screws	
	Fastener Embedment	1-1/2" minimum embedment into wood framing 1-3/4" minimum embedment into concrete	
	Fastener Location/Spacing	Head	Install in accordance with engineering drawing TX-4070 and TX-4071, "Opaque Fiberglass Single Door w/ or w/o Sidelites, Inswing / Outswing, Impact", dated April 13, 2010, signed and sealed by Lyndon F. Schmidt P.E. on April 19, 2010.
		Sill	
Side			
Jambs			
	Hinges		

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