

Product Evaluation

DR1057 | 1120

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-1057

Effective Date: November 1, 2020

Re-evaluation Date: November 2024

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

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

General Description:

System	Description	Design Pressure Rating	Drawing Number
1	2'-6" x 6'-8" Single Door (X)	Inswing: +70 / -75 psf Outswing: +70 / -70 psf	TX-4917
2	5'-0" x 6'-8" Double Door (XX)	Inswing: +70 / -75 psf Outswing: +70 / -70 psf	TX-4917
3	3'-0" x 6'-8" Single Door (X)	Inswing: +65 / -70 psf Outswing: +65 / -65 psf	TX-4918
4	3'-0" x 6'-8" Single Door w/ Sidelite (OX, XO)	<u>Without Jamb 2X Reinf.</u> Inswing: +35 / -40 psf Outswing: +35 / -35 psf <u>With Jamb 2X Reinf.</u> Inswing: +65 / -70 psf Outswing: +65 / -65 psf	TX-4918

General Description (continued):

System	Description	Design Pressure Rating¹	Drawing Number
5	3'-0" x 6'-8" Single Door w/ Sidelites (OXO)	<u>Without Jamb 2X Reinf.</u> Inswing: +35 / -40 psf Outswing: +35 / -35 psf <u>With Jamb 2X Reinf.</u> Inswing: +65 / -70 psf Outswing: +65 / -65 psf	TX-4918
6	3'-0" x 6'-8" Single Door w/ Sidelite; CHS; (OX, XO)	Inswing: +55 / -60 psf Outswing: +55 / -55 psf	TX-4919
7	3'-0" x 6'-8" Single Door w/ Sidelites; CHS; (OXO)	Inswing: +55 / -60 psf Outswing: +55 / -55 psf	TX-4919
8	6'-0" x 6'-8" Double Door (XX); Endura Astragal	+40 / -40 psf	TX-4920
9	6'-0" x 6'-8" Double Door w/ Sidelites (OXXO); Endura Astragal	<u>Poly Fiber Jamb</u> Inswing: +30 / -40 psf Outswing: +35 / -35 psf <u>Wood Jamb</u> +40 / -40 psf <u>With Jamb 2X Reinf.</u> +40 / -40 psf	TX-4920
10	6'-0" x 6'-8" Double Door (XX); DLP Astragal	Inswing: +45 / -50 psf Outswing: +45 / -45 psf	TX-4921
11	6'-0" x 6'-8" Double Door w/ Sidelites (OXXO); DLP Astragal	<u>Poly Fiber Jamb</u> Inswing: +30 / -40 psf Outswing: +40 / -40 psf <u>Wood Jamb</u> +40 / -40 psf <u>With Jamb 2X Reinf.</u> Inswing: +45 / -50 psf Outswing: +45 / -45 psf	TX-4921
12	3'-0" x 8'-0" Single Door (X)	Inswing: +60 / -65 psf Outswing: +60 / -60 psf	TX-4922
13	3'-0" x 8'-0" Single Door w/ Sidelite (OX, XO)	<u>Without Jamb 2X Reinf.</u> Inswing: +30 / -30 psf Outswing: +30 / -35 psf <u>With Jamb 2X Reinf.</u> Inswing: +55 / -60 psf Outswing: +55 / -55 psf	TX-4922

Note: ¹ Maximum design pressure limited for the Kwikset hardware for Systems 12-14, 17-20. See approved drawing for design pressure limitations.

General Description (continued):

System	Description	Design Pressure Rating ¹	Drawing Number
14	3'-0" x 8'-0" Single Door w/ Sidelites (OXO)	<u>Without Jamb 2X Reinf.</u> Inswing: +30 / -30 psf Outswing: +30 / -35 psf <u>With Jamb 2X Reinf.</u> Inswing: +55 / -60 psf Outswing: +55 / -55 psf	TX-4922
15	3'-0" x 8'-0" Single Door w/ Sidelite; CHS; (OX, XO)	Inswing: +40 / -45 psf Outswing: +40 / -40 psf	TX-4923
16	3'-0" x 8'-0" Single Door w/ Sidelites; CHS; (OXO)	Inswing: +40 / -45 psf Outswing: +40 / -40 psf	TX-4923
17	6'-0" x 8'-0" Double Door (XX); Endura Astragal	+40 / -40 psf	TX-4924
18	6'-0" x 8'-0" Double Door w/ Sidelites (OXXO); Endura Astragal	<u>Without Jamb 2X Reinf.</u> Inswing: +30 / -40 psf Outswing: +35 / -35 psf <u>With Jamb 2X Reinf.</u> +40 / -40 psf	TX-4924
19	6'-0" x 8'-0" Double Door (XX); DLP Astragal	Inswing: +45 / -50 psf Outswing: +45 / -45 psf	TX-4925
20	6'-0" x 8'-0" Double Door w/ Sidelites (OXXO); DLP Astragal	<u>Without Jamb 2X Reinf.</u> +40 / -40 psf <u>With Jamb 2X Reinf.</u> Inswing: +45 / -50 psf Outswing: +45 / -45 psf	TX-4925

Note: ¹ Maximum design pressure limited for the Kwikset hardware for Systems 12-14, 17-20. See approved drawing for design pressure limitations.

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 31.5" x 82" Outswing: 31.5" x 81.25"	29.75" x 79.25"	18.813" x 62.814"
2	Inswing: 62" x 82" Outswing: 62" x 81.25"	29.75" x 79.25"	18.813" x 62.814"
3	Inswing: 37.5" x 82" Outswing: 37.5" x 81.25"	35.75" x 79.25"	24.813" x 62.814"
4	<u>Without Jamb 2X Reinf.</u> Inswing: 75" x 82" Outswing: 75" x 81.25" <u>With Jamb 2X Reinf.</u> Inswing: 76.5" x 82" Outswing: 76.5" x 81.25"	35.75" x 79.25"	24.813" x 62.814"

Component Dimensions (continued):

System	Overall Size	Panel Size	Maximum Daylight Opening Size
5	<u>Without Jamb 2X Reinf.</u> Inswing: 112.5" x 82" Outswing: 112.5" x 81.25" <u>With Jamb 2X Reinf.</u> Inswing: 115.5" x 82" Outswing: 115.5" x 81.25"	35.75" x 79.25"	24.813" x 62.814"
6	Inswing: 74.75" x 82" Outswing: 75.75" x 81.25"	35.75" x 79.25"	24.813" x 62.814"
7	Inswing: 112.25" x 82" Outswing: 112.25" x 81.25"	35.75" x 79.25"	24.813" x 62.814"
8, 10	Inswing: 74" x 82" Outswing: 74" x 81.25"	35.75" x 79.25"	24.813" x 62.814"
9, 11	<u>Poly Fiber & Wood Jamb</u> Inswing: 149" x 82" Outswing: 149" x 81.25" <u>With Jamb 2X Reinf.</u> Inswing: 152" x 82" Outswing: 152" x 81.25"	35.75" x 79.25"	24.813" x 62.814"
12	Inswing: 37.5" x 98" Outswing: 37.5" x 97.25"	35.75" x 95.25"	24.813" x 78.814"
13	<u>Without Jamb 2X Reinf.</u> Inswing: 75" x 98" Outswing: 75" x 97.25" <u>With Jamb 2X Reinf.</u> Inswing: 76.5" x 98" Outswing: 76.5" x 97.25"	35.75" x 95.25"	24.813" x 78.814"
14	<u>Without Jamb 2X Reinf.</u> Inswing: 112.5" x 98" Outswing: 112.5" x 97.25" <u>With Jamb 2X Reinf.</u> Inswing: 115.5" x 98" Outswing: 115.5" x 97.25"	35.75" x 95.25"	24.813" x 78.814"
15	Inswing: 74.75" x 98" Outswing: 74.75" x 97.25"	35.75" x 95.25"	24.813" x 78.814"
16	Inswing: 112.25" x 98" Outswing: 112.25" x 97.25"	35.75" x 95.25"	24.813" x 78.814"
17, 19	Inswing: 74" x 98" Outswing: 74" x 97.25"	35.75" x 95.25"	24.813" x 78.814"
18, 20	<u>Without Jamb 2X Reinf.</u> Inswing: 149" x 98" Outswing: 149" x 97.25" <u>With Jamb 2X Reinf.</u> Inswing: 152" x 98" Outswing: 152" x 97.25"	35.75" x 95.25"	24.813" x 78.814"

Hardware:

System	Component	Quantity	Attachment Method
1-2, 17-20	Hinges	3	Install in accordance with Plastpro drawings No. TX-4917, TX-4924, and TX-4925, dated April 29, 2019. Revision 1 dated May 26, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 26, 2020.
	Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980)	1 each	
3-16	Hinges	3	Install in accordance with Plastpro drawings No. TX-4918, TX-4919, TX-4920, TX-4921, TX-4922, and TX-4923 dated April 29, 2019. Revision 1 dated May 26, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 26, 2020
	Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980) Or Knob: Yale YH Collection Deadbolt: Yale YH Collection Or Knob: Schlage F-Series (F51) Deadbolt: Schlage B-Series (B60)	1 each	

Note: ¹ Maximum design pressure limited for the Kwikset hardware for Systems 12-14 and 17-20. See approved drawings for design pressure limitations.

Product Identification (Self-labeled by Manufacturer):

System		
1-2	Manufacturer's name	Plastpro, Inc
	Product name	Direct Glazed Plastpro Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Singles and Doubles
	Test standards	ASTM E330-14
3-5, 12-14	Manufacturer's name	Plastpro, Inc.
	Product name	Direct Glazed Plastpro Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Singles and Singles w/ Sidelite(s)
	Test standards	ASTM E330-14
6-7, 15-16	Manufacturer's name or code name	Plastpro, Inc.
	Product name	Direct Glazed Plastpro Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Singles w/ Sidelite(s)
	Test standards	ASTM E330-14
8-11, 17-20	Manufacturer's name	Plastpro, Inc.
	Product name	Direct Glazed Plastpro Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Doubles and Doubles w/ Sidelites
	Test standards	ASTM E330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-20	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Acceptance of Smaller Assemblies: Door assemblies with dimensions smaller than those specified are acceptable within the limitations of this report.

Installation:

System		
1-20	Type of installation	Install in accordance with Plastpro drawings No. TX-4917 through TX-4925, dated April 29, 2019. Revision 1 dated May 26, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on May 26, 2020.
	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.