



# Product Evaluation

DR537 | 0115

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-537

**Effective Date:** May 1, 2012

**Revised:** January 1, 2015

**Re-evaluation Date:** June 2015

**Product Name:** Fiberglass Inswing Doors with or without Sidelites and Speakeasy, Impact Resistant

**Manufacturer:** Glass Craft Company  
2002 Brittmore Road  
Houston, TX 77043-2209  
(713) 690-8282

### General Description:

System	Description	Label Rating	Drawing Number
1	Fiberglass Glazed Inswing Single Doors with Sidelites; OXO	Maximum Size Tested: 6'1" x 8'0"	+31.6 / -34.6 psf
2	Fiberglass Glazed Inswing Double Doors with Speakeasy; XX	Maximum Size Tested: 6'1" x 8'0"	+31.6 / -34.6 psf
3	Fiberglass Glazed Inswing Double Doors; XX	Maximum Size Tested: 6'1" x 8'0"	+31.6 / -34.6 psf

### Component Dimensions:

System	Overall Size	Door Panel Size	Door Panel Daylight Opening Size
1	72-5/8" x 98"	36" x 95-1/4"	21" x 66"
2	74-1/2" x 98"	Active: 36-3/4" x 95-1/2" Passive: 36" x 95-1/2"	6" x 11-1/2"
3	72-3/4" x 98"	Two (2): 36" x 95-1/2"	21" x 63-3/4"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1	4" Butt Hinges	4	Secure to the door panel with four (4), No. 9 x 1" screws to the door panel. Secure to the doorjamb with two (2), No. 9 x 1" screws on the two inner holes and two (2), No. 9 x 3" screws in the two outer holes.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	Secure with two (2), No. 9 x 3" screws in each strike plate.
	Imperial USA Ltd. I68MPL three point lock set	1	Secure with nine (9), No. 8 x 3" screws located at 7-3/8", 14-1/4", 17-9/16", 26-5/16", 45-13/16", 55-13/16", 62-3/16", 65-7/16", and 72-3/4" from the bottom.
2	4" Butt Hinges	4 each door	Secure to the door panel with four (4), No. 9 x 1" screws to the door panel. Secure to the doorjamb with two (2), No. 9 x 1" screws on the two inner holes and two (2), No. 9 x 3" screws in the two outer holes.
	Lock and deadbolt strike plate		Secure with two (2), No. 9 x 3" screws in each strike plate.
	Imperial USA Ltd. IH400 OP6 three point lock set		Secure with nine (9), No. 8 x 3" screws located at 7-3/8", 14-1/4", 17-9/16", 26-5/16", 45-13/16", 55-13/16", 62-3/16", 65-7/16", and 72-3/4" from the bottom.
3	4" Butt Hinges	4 each door	Secure to the door panel with four (4), No. 9 x 1" screws to the door panel. Secure to the doorjamb with two (2), No. 9 x 1" screws on the two inner holes and two (2), No. 9 x 3" screws in the two outer holes.
	Lock and deadbolt strike plate		Secure with two (2), No. 9 x 3" screws in each strike plate.
	Imperial USA Ltd. I68MPL three point lock set		Secure with nine (9), No. 8 x 3" screws located at 7-3/8", 14-1/4", 17-9/16", 26-5/16", 45-13/16", 55-13/16", 62-3/16", 65-7/16", and 72-3/4" from the bottom.

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

System		
1, 2, 3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company
	Product Name	Fiberglass Inswing Doors w/ or w/o Sidelites and Speakeasy
	Test Standards	ASTM E 330-02 ASTM R 1886-05; ASTM E 1996-05

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2, 3	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

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

**Installation:**

System			
1	Type of Installation	Door Frame	
	Wall Framing	Spruce-Pine-Fire	
	Fasteners	Minimum No. 9 x 3" Screws	
	Fastener Embedment	Minimum of 1-1/2" into the wall framing	
	Fastener Location/Spacing	Head	Door: 4" from each corner and one located at midspan. Sidelites: one located at midspan.
		Sill	Door: 4" from each corner and spaced 12" on center thereafter. Sidelites: one located at midspan.
		Side Jamb	2" from each end and spaced 24" on center thereafter
		Hinges	Two fasteners at each hinge location (see hardware section) must penetrate into the wall framing
2	Type of Installation	Door Frame	
	Wall Framing	Spruce-Pine-Fire	
	Fasteners	Minimum No. 9 x 3" Screws	
	Fastener Embedment	Minimum of 1-1/2" into the wall framing	
	Fastener Location/Spacing	Head & Sill	4" from each corner and 12" on center thereafter
		Side Jamb	12" from each end and one at midspan
		Hinges	Two fasteners at each hinge location (see hardware section) shall penetrate into the wall framing
	3	Type of Installation	Door Frame
Wall Framing		Spruce-Pine-Fire	
Fasteners		Minimum No. 9 x 3" Screws	
Fastener Embedment		Minimum of 1-1/2" into the wall framing	
Fastener Location/Spacing		Head	4" from each corner and 12" on center thereafter
		Sill	4" from each corner and 12" on center thereafter
		Side Jamb	2" from each end and one located at midspan
		Hinges	Two fasteners at each hinge location (see hardware section) shall penetrate into the wall framing

**Note:** The manufacturer's installation instructions must be available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.