



Product Evaluation

DR793 | 1016

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-793

Effective Date: October 1, 2016

Re-evaluation Date: February 2019

Product Name: 8'-0" Fiberglass Single Door with Speakeasy & Triple Glazed Doors, Inswing and Outswing Impact Resistant

Manufacturer: GlassCraft Door Company
2002 Brittmoore Rd.
Houston TX 77043
(713) 690-8282

General Description:

System	Description	Label Rating	Design Pressure (psf)
1	8'-0" Single Fiberglass Door With Speak Easy Inswing (X)	ASTM E330/ASTM E1886 ASTM E1996 Missile Level D	+50.14 / -50.14
2	8'-0" Single Fiberglass Door With Speak Easy Outswing (X)	ASTM E330/ASTM E1886 ASTM E1996 Missile Level D	+50.14 / -50.14
3	8'-0" Triple Glazed Inswing Fiberglass Door (OXXX)	ASTM E330/ASTM E1886 ASTM E1996 Missile Level D	+50.14 / -50.14
4	8'-0" Triple Glazed Outswing Fiberglass Door (OXXX)	ASTM E330/ASTM E1886 ASTM E1996 Missile Level D	+50.14 / -50.14

Component Dimensions:

System	Overall Size	Door Panel Size	Door Daylight Opening Size	Sidelite Panel Size	Sidelite Daylight Opening Size
1, 2	37-1/2"x 98"	36"x 96"	6" x 11-1/2"	NA	NA
3, 4	129" x 98"	(3) 36" x 96"	(3) 20-1/2" X 63"	14" x 96"	7" x 63"

Components and Hardware:

System	Component	Quantity	Attachment Method
1, 2	Hinges 4"x 4" Penrond 5/8" Radius	4	Hinge location: From bottom: 12" & 28". From top: 9" & 34-1/2". Screws per Hinge: (2) #9 x 3" wood screws through end holes & (2) #9 x 1" through mid-holes.
	Lockset 3-Point Imperial Series	1	Install lockset into stile of operable leaf with (9) #8 x 3" wood screws from bottom 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"
	Lockset and Deadbolt Strike Plate	1	Install on lock jamb in line with 3 point lock and dead bolt; use (2) #9 x 3" wood screws each.
	Speak Easy Latch	1 per leaf	Centered on speak easy lock stile
	Speak Easy Keeper	1 per leaf	In line with latch, on speak easy frame
	Speak Easy Hinge	2 per leaf	3" from top and bottom of speak easy
3, 4	Hinges 4"x 4" Penrond 5/8" Radius	12	Hinge location: From bottom: 12" & 28". From top: 9" & 34-1/2". Screws per Hinge: (2) #9 x 3" wood screws through end holes & (2) #9 x 1" through mid-holes.
	Lockset 3-Point Imperial Series 1	1	Install lockset into stile of operable leaf with (9) #8 x 3" wood screws from bottom 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".
	Lock and Deadbolt Strike Plate	1	Install on lock jamb in line with 3 point lock and dead bolt; use (2) #9 x 3" wood screws each.
	Flush Bolt	4	Top and bottom of each operable door leaf

Product Identification (Certification Agency Label on Door):

System		
1,2,3,4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	GlassCraft
	Product Name	8'0" Fiberglass IS or OS Door Glazed or w/Speak Easy (Single/Double/Triple)
	Test Standards	ASTM E330-02; ASTM E1886-13a; ASTM E1996-14a

Impact Resistance:

System	Impact Resistant	Requirement
1,2,3,4	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 with the limitations specified in this report.

Installation:

System		
1,2,3,4	Type of Installation	New Construction
	Wall Framing	Spruce-Pine Fir dimension lumber
	Fasteners	Minimum #9 x 3"
	Fastener Embedment	1-1/2" into wall framing
	Fastener Location/Spacing	Jambs: 12" from corners and center, through top and bottom mounting holes of hinges. Head & Threshold: 4" from corners, 12" on center thereafter.

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.