



Product Evaluation

DR715 | 0416

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-715

Effective Date: April 1, 2016

Re-evaluation Date: April 2020

Product Name: AF-100 Fiberglass Single Outswing Flush Opaque Hinged Door, Impact Resistant

Manufacturer: Universal Pultrusions, LLC
PO Box 1289 100 Tillco Drive
Marshal, AR 72650
(800) 821-6531

General Description:

System	Description	Label Rating
1	AF-100 Fiberglass Single Outswing Flush Opaque Hinged Door	+100 / -100 psf

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	40" x 86"	35-3/4" x 83-3/8"	N/A

Components and Hardware:

System	Component	Quantity	Attachment Method
1	Hinges	3	15, #12-11 x 1-1/2" x SS Wood Screw
	Schlage L9453P-03A-626 Mortise Lock	1	Two, #12 x 12-24 x 3/4" screw
	Lock Strike Plate	1	Two, #12x 1-1/2" SS wood screws
	Handle	1	Two, #8-32 x 5/8" screw
	Schlage B660P-626 Cylindrical Deadbolt	1	Face Plate: Two, #8-32 x 5/8" Lock Body: Two, 1/4 – 28 x #10 x 1-15/32"
	Deadbolt Strike Plate	1	Two, #12x 1-1/2" SS wood screws

Product Identification (Manufacturer Label on Door):

System		
1	Manufacturer's Name or Code Name	Special-Lite Inc.
	Product Name	Model AF-100 Door
	Test Standards	ASTM E330-02; ASTM E283-04; ASTM E547-00; ASTM E1886-05; ASTM E1996-06

Impact Resistance:

System	Impact Resistant	Requirement
1	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.

Installation:

System		
1	Type of Installation	New or Replacement Construction
	Wall Framing	Spruce-Pine-Fir, Concrete, and Steel
	Fasteners	Wood: 3/8" x 5" long lag bolts Concrete: 3/16" x 1-3/4" long diameter Powers Tapper screws Steel: #12 Teks screws
	Fastener Embedment	Wood: Minimum 3" into framing Concrete: Minimum 1-3/4" Steel: Full penetration
	Fastener Location/Spacing	Side Jamb only- place fasteners 12" from the threshold and 32" on center, minimum three per side jamb. Use equal quantity of fasteners for an alternate substrate.

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.