



Product Evaluation

DR797 | 1116

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-797

Effective Date: November 1, 2016

Re-evaluation Date: September 2020

Product Name: Special Lite AF220 Inswing and Outswing Fiberglass Entrance Doors, Impact-Resistant

Manufacturer: Special-Lite, Inc.
88448 County Road 668
Decatur, MI 49045
(800) 821-6531

General Description:

System	Description	Label Rating	Drawing Number
1	AF220 FRP Single Door, Outswing	± 75 psf	TA16-01
2	AF220 FRP Single Door, Inswing	± 75 psf	TA16-02

Component Dimensions:

System	Overall Size	Panel Size
1	40" x 86"	36" x 84"
2	40" x 86"	35-7/8" x 83-1/8"

Components and Hardware:

System	Component	Quantity	Attachment Method
1	4-1/2" Butt Hinges Hager BB1191	3	Install hardware and components in accordance with Special Lite drawing No. TA16-01 dated 2/24/15. Drawing signed and sealed by Joo Pin Pang on 2/26/16.
	Mortise Lock Schlage L9453-03A	1	
	Cylindrical Deadbolt Schlage B660	1	
2	4-1/2" Butt Hinges Hager BB1191	3	Install hardware and components in accordance with Special Lite drawing No. TA16-02 dated 2/24/16. Drawing signed and sealed by Joo Pin Pang on 2/24/16.
	Mortise Lock Kaba 790 RFID w/Key Override	1	
	Surface Bolt Ives 253	2	

Product Identification (Manufacturer Label on Door):

System			
1	Certification Agency		Manufacturer Self Label
	Manufacturer's Name or Code Name		Special Lite
	Product Name		Model AF220 Outswing Door
	Drawing		TA16-01
	Test Standards		ASTM E330-02, ASTM E1886-05, ASTM E1996-05 ASTM E283, ASTM E331
2	Certification Agency		Manufacturer Self Label
	Manufacturer's Name or Code Name		Special Lite
	Product Name		Model AF220 Inswing Door
	Drawing		TA16-02
	Test Standards		TAS-201, TAS-202, TAS-203 ASTM E283, ASTM E331

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

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	Type of Installation		Door must be installed and anchored in accordance with Special Lite drawing No. TA16-01 dated 2/24/15. Drawing signed and sealed by Joo Pin Pang on 2/26/16.
	Wall Framing		
	Fasteners		
	Fastener Embedment		
	Fastener Location/Spacing		
2	Type of Installation		Door must be installed and anchored in accordance with Special Lite drawing No. TA16-02 dated 2/24/16. Drawing signed and sealed by Joo Pin Pang on 2/24/16.
	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, the IBC, and the Texas Revisions.