



Product Evaluation

DR753 | 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-753

Effective Date: April 1, 2016

Re-evaluation Date: June 2017

Product Name: SL-17 Entry Doors, Glazed, Fiber Reinforced Plastic, Double, Outswing Side Hinged Doors, Impact-Resistant

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

General Description:

System	Description	Label Rating
1	SL-17 FRP Glazed Double Door, Outswing	±65 PSF
2	SL-17 FRP Glazed Double Door, Outswing	±75 PSF

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	80" x 92"	37-3/4" x 89-1/16"	22" x 32"
2	80" x 98"	47-1/2" x 95-1/4"	22" x 32"

Components and Hardware:

System	Component	Quantity	Attachment Method
1, 2	Continuous Hinge- Select Products	1 per door leaf	#10-24 Flat Head screws approximately 1" and 3" from each end and approximately 12" on center
	Exit Device- Von Duprin 9957 Surface Vertical Rod Panic Device	1 per door leaf	six #10-24 x 1-1/2" screws
	Removable Mullion- Von Duprin 4954 2" x 3" x 1/4" steel tube	1 per pair of doors	Top- Cast bracket secured by three 1/4" x 1-5/8" long machine screws Bottom- Cast bracket secured by two 1/4" x 1-1/2" long Flat Head screws
	Threshold- Zero #568	1 per pair of doors	Secured with 1/4" x 2" long screws spaced approximately 4" from the jambs and approximately 12" on center

Product Identification (Manufacturer Label on Door):

System		
1, 2	Manufacturer's Name or Code Name	Special Lite
	Product Name	SL-17 Glazed FRP Door, Pairs, Outswing
	Test Standards	TAS-201, TAS-202, TAS-203

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 passed a missile test equivalent to missile level D in ASTM E 1996. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation (One of the following):

System			
1-2	Type of Installation	New or Replacement Construction- Block Install	
	Wall Framing	Spruce-Pine-Fir at Head and Side Jambs Concrete at Sill	
	Fasteners	Head- 3/8" x 4" lag bolt Side Jambs- 3/16" x 2" Pan Head wood screws	
	Fastener Embedment	Head- 3" Minimum penetration into wood framing Side Jambs- 1-1/2" minimum penetration into wood framing	
	Fastener Location/Spacing	Head	Lag Bolts spaced 10" on center minimum edge distance 1" into wood framing
Sill		three 1/4-20 x 2" long screws	
Side Jambs		Pan Head Screws spaced 10" on center minimum edge distance 1/2" into wood framing	
1-2	Type of Installation	New or Replacement Construction- Block Install	
	Wall Framing	Concrete or Precast Concrete at Head, Side Jambs and Sill	
	Fasteners	3/16" diameter Powers Tapper+ screw	
	Fastener Embedment	Head, Sill and Jambs- Minimum penetration 1-3/4"	
	Fastener Location/Spacing	Head	Fasteners spaced 10" on center minimum edge distance 2" edge distance into precast or concrete
Sill			
Side Jambs			
1-2	Type of Installation	New or Replacement Construction- Block Install	
	Wall Framing	18 Gauge Minimum, 33 KSI Steel at Head and Side Jambs Concrete at Sill	
	Fasteners	#12-14 TEKS Screw	
	Fastener Embedment	Head and Side Jambs- Full thread engagement into material thickness Concrete at Sill	
	Fastener Location/Spacing	Head	#12-14 TEKS screws spaced 10" on center, minimum edge distance 1" into steel framing
Sill		three 1/4-20 x 2" long screws	
Side Jambs		#12-14 TEKS screws spaced 10" on center, minimum edge distance 1" into steel framing	

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.