

**Product Evaluation**

DR714 | 0119

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 1-800-248-6032.

**Evaluation ID:** DR-714

**Effective Date:** January 1, 2019

**Re-evaluation Date:** January 2023

**Product Name:** SL-17 Aluminum and FRP Glazed, Outswing, Side Hinged Doors, Impact-Resistant

**Manufacturer:** Special-Lite, Inc.  
860 South Williams Street  
Decatur, MI 49045  
(800) 821-6531

**General Description:**

System	Description	Label Rating
1	6'-8" x 7'-8" Glazed Aluminum and FRP Double Door, Outswing (XX)	±65 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"

**Components and Hardware:**

System	Component	Quantity	Attachment method
1	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" long screws
	Removable Mullion- Von Duprin 4954 2" x 3" x 1/4"	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	Certification agency	Manufacturer Self Label
	Manufacturer's name or code name	Special Lite
	Product name	SL-17 Outswing Double Door, Doors without side lights
	Test standards	TAS-201, TAS-202, TAS-203 Large Missile

**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.

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

**Installation (One of the Following):**

System				
1	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	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, Jambs- Minimum penetration 1-3/4"		
	Fastener location/spacing	Head	Fasteners spaced 10" on center, minimum edge distance 4" into precast or concrete sill	
Sill				
Side Jambs				
1	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.