

Product Evaluation

DR754 | 1121

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-754

Effective Date: November 1, 2021

Re-evaluation Date: November 2025

Product Name: SL-17 Fiber Reinforced Plastic Entry Door, Single, Opaque, Outswing Side Hinged Doors, Non-Impact Resistant

Manufacturer: Special-Lite, Inc.
860 S. Williams Street
Decatur, MI 49045
(269) 487-7391

General Description:

System	Description	Label Rating
1	SL-17 Fiber Reinforced Plastic Entry Door, Single, Opaque, Outswing Side Hinged Door, 36" x 84"	±130 PSF

Component Dimensions:

System	Overall Size	Panel Size
1	40-1/4" x 86-1/4"	35-1/2" x 83-1/2"

Components and Hardware:

System	Component	Quantity	Attachment Method
1	Continuous Hinge- Select SL-11 HD	1	#12-24 x 1/2" screws
	Schlage L9453P-03A-626 Mortise Lockset and B660P-626 Cylindrical Deadbolt	1	Two (2) #12 x 1-1/2" screws secure the strike to the frame
	Aluminum Threshold THRS-5	1	Three (3) 1/4-20 x 2" screws

Product Identification (Manufacturer Label on Door):

System		
1	Manufacturer's Name or Code Name	Special-Lite
	Product Name	SL-17 FRP single door
	Test Standards	ASTM E-330-02

Compliance: The door assemblies passed test criteria equivalent to ASTM E330-14.

Impact Resistance:

System	Impact Resistant	Requirement
1	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation (One of the following):

System		
1	Type of Installation	New or Replacement Construction
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Creteflex SS4 1/4" diameter x 1-1/2" long pan head screws
	Fastener Embedment	Minimum 1-1/4" embedment into wood framing
	Fastener Location/Spacing	Head and Side Jambs - Approximately 4" from the corners and approximately 16" on center. No fasteners required through the sill.

Installation (One of the following) - continued:

System		
1	Type of Installation	New or Replacement Construction
	Wall Framing	Concrete / CMU
	Fasteners	3/16" Powers Tapper+ Anchors
	Fastener Embedment	1-3/4" Minimum, 2" Minimum Edge Distance
	Fastener Location/Spacing	Head and Side Jambs - Approximately 4" from the corners and approximately 10" on center. No fasteners required through the sill.
1	Type of Installation	New or Replacement Construction
	Wall Framing	Steel-Minimum 18-Gauge, $F_y = 33$ ksi
	Fasteners	#12-14 TEKS screws
	Fastener Embedment	The fastener threads must be completely engaged into the steel and have a minimum of three thread pitches extending beyond the material
	Fastener Location/Spacing	Head and Side Jambs - Approximately 4" from the corners and approximately 10" on center. No fasteners required through the sill.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.