

Product Evaluation

DR1236 | 0422

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-1236

Effective Date: April 1, 2022

Re-evaluation Date: April 2026

Product Name: 150 Series or Encompass or Avanti Vinyl Patio Door Sidelites, Non-Impact Resistant

Manufacturer: Pella Corporation
102 Main St.
Pella, IA 50219
(641) 621-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	150 Series or Encompass or Avanti Vinyl Patio Door Sidelites	R-PG50 (47.5 x 81.5)-SLT	+50 / -50 psf
2	150 Series or Encompass or Avanti Vinyl Patio Door Sidelites	LC-PG40 (35.5 x 81.5)-FD	+40 / -40 psf
3	150 Series or Encompass or Avanti Vinyl Patio Door Sidelites	LC-PG25 (47.5 x 95.5)-FD	+25 / -25 psf

Product Dimensions:

System	Overall Size	Fixed Panel Daylight Opening Size
1	47-1/2" x 81-1/2"	43-1/2" x 74"
2	35-1/2" x 81-1/2"	32-3/8" x 74-5/8"
3	47-1/2" x 95-1/2"	44-3/8" x 88-5/8"

Product Identification (Certification Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	Pella Corporation
	Product name	150 Series or Encompass or Avanti High Performance Patio Door Sidelite
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17
2-3	Certification agency	WDMA
	Manufacturer's name or code name	Pella Corporation
	Product name	150 Series or Encompass or Avanti Patio Door Sidelite
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17

Impact Resistance:

System	Impact Resistant	Requirement
1-3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of installation	Install in accordance with Pella Corporation drawing No. 1450T, dated March 4, 2020. Signed and sealed by Warren W. Schaefer, P.E. on July 17, 2020.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
2-3	Type of installation	Install in accordance with Pella Corporation drawing No. 1248T, dated March 4, 2020. Revision A1 dated February 24, 2022. Signed and sealed by Warren W. Schaefer, P.E. on February 24, 2022.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

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.