

Product Evaluation

DR205 | 0823

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-205

Effective Date: August 1, 2023

Re-evaluation Date: May 2026

Product Name: Series 150/ThermaStar/Encompass/Avanti Vinyl Sliding Patio Doors, Fin or Frame Installation, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	150 Series/Encompass/Avanti Vinyl Sliding Patio Doors; OX, XO	R-PG35 (71.5 x 81.5)-SGD	+35 / -35 psf
2	150 Series/Encompass/Avanti Vinyl Sliding Patio Doors; OX, XO	LC-PG25 (96 x 96)-SGD	+25 / -25 psf
3	150 Series/ThermaStar/Encompass Vinyl Sliding Patio Doors; OX, XO	R-PG50 (95 x 82)-SD	+50 / -50 psf

Product Dimensions:

System	Overall Size	Panel Size
1	72" x 82"	35-1/2" x 80"
2	96" x 96"	47-1/2" x 94"
3	94-3/4" x 81-1/2"	47-1/2" x 79"

Product Identification (Certification Label on Door):

System		
1, 2	Certification agency	WMDA
	Manufacturer's name or code name	Pella Corporation
	Product name	150 Series or Encompass or Avanti - Patio Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17
3	Certification agency	FGIA (AAMA)
	Manufacturer's name or code name	Pella Corporation
	Product name	150 Series or ThermaStar or Encompass - HP Patio Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11

Compliance: The products comply with AAMA/WDMA/CSA 101/I.S.2/A440-17 as referenced in the 2018 IRC and 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1-3	No	These products have not been tested for windborne debris resistance. An impact protection system is required when installing this product in areas where windborne debris protection is required.

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

Installation:

System		
1-2	Type of installation	Install in accordance with drawing No. 1248T, dated February 24, 2022. Signed and sealed by Warren W. Schaefer, PE. on February 24, 2022.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

Installation (Continued):

System	
3	Type of installation
	Wall framing
	Fasteners
	Fastener location/spacing
	Fastener penetration
Install in accordance with drawing No. 1450T, dated March 4, 2020. Signed and sealed by Warren W. Schaefer, PE. on July 17, 2020.	

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.