

Product Evaluation

WIN689 | 0523

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: WIN-689

Effective Date: May 1, 2023

Re-evaluation Date: May 2027

Product Name: Pella Series 150 / Encompass / Avanti Vinyl Single Hung Windows, Single, Twin, and Triple, Nail Fin & Block Frame Installation, 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	Series 150 / Encompass / Avanti Single Hung Windows	LC-PG35 (40 x 63)-H	+35 / -35 psf
2	Series 150 / Encompass / Avanti High Performance Single Hung Windows	LC-PG50 (42 x 72)-H	+50 / -50 psf
3	Series 150 / Encompass / Avanti Single Hung Windows	LC-PG35 (48 x 84)-H	+35 / -35 psf
4	Series 150 / Encompass / Avanti High Performance Single Hung Windows	LC-PG50 (52 x 62)-H	+50 / -50 psf
5	Series 150 / Encompass / Avanti High Performance Single Hung Windows; Twin	LC-PG50 (72.5 x 65.5)-H	+50 / -50 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
6	Series 150 / Encompass / Avanti Single Hung Windows; Twin	LC-PG35 (96.5 x 53.5)-H	+35 / -35 psf
7	Series 150 / Encompass / Avanti Single Hung Windows; Twin	LC-PG35 (96.5 x 59.5)-H	+35 / -35 psf
8	Series 150 / Encompass / Avanti Single Hung Windows; Twin	LC-PG35 (96.5 x 72)-H	+35 / -35 psf
9	Series 150 / Encompass / Avanti Single Hung Windows; Twin	LC-PG35 (104.5 x 62)-H	+35 / -40 psf
10	Series 150 / Encompass / Avanti Single Hung Windows; Twin	LC-PG35 (104.5 x 62)-H	+35 / -50 psf
11	Series 150 / Encompass / Avanti Single Hung Windows; Triple	LC-PG35 (107.75 x 53.5)-H	+35 / -35 psf
12	Series 150 / Encompass / Avanti Single Hung Windows; Triple	LC-PG35 (109 x 59.5)-H	+35 / -35 psf
13	Series 150 / Encompass / Avanti Single Hung Windows; Triple	LC-PG40 (109 x 72)-H	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	40" x 63"	38" x 30.8125"	36.875" x 28.1875"
2	42" x 72"	40" x 35.0625"	38.875" x 32.9375"
3	48" x 84"	46" x 35.0625"	44.875" x 44.9375"
4	52" x 62"	50" x 30.313"	49" x 27.813"
5	72.50" x 65.50"	33.75" x 32.0625" (2)	32.625" x 29.4375" (2)
6	96.50" x 53.50"	46" x 26.0625" (2)	44.875" x 23.4375" (2)
7	96.50" x 59.50"	46" x 29.0625" (2)	44.875" x 26.4375" (2)
8	96.50" x 72"	46" x 35.0625" (2)	44.875" x 32.9375" (2)
9	104.50" x 62"	50" x 30.313" (2)	49" x 27.813" (2)
10	104.50" x 62"	50" x 30.313" (2)	49" x 27.813" (2)
11	107.75" x 53.50"	33.625" x 26.0625" (3)	32.50" x 23.4375" (3)
12	109" x 59.50"	34" x 29.0625" (3)	32.875" x 26.4375" (3)
13	109" x 72"	34" x 35.0625" (3)	32.875" x 32.9375" (3)

Product Identification (Certification Label on Window):

System		
1, 3	Certification Agency	WDMA
	Manufacturer's Name	Pella Corporation
	Product Name	Pella 150 Series / Encompass / Avanti - Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11
2, 4	Certification Agency	WDMA
	Manufacturer's Name	Pella Corporation
	Product Name	Pella 150 Series / Encompass / Avanti - HP Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11, 17
5	Certification Agency	WDMA
	Manufacturer's Name	Pella Corporation
	Product Name	Pella 150 Series / Encompass / Avanti - HP 2-Wide Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11
6-10	Certification Agency	WDMA
	Manufacturer's Name	Pella Corporation
	Product Name	Pella 150 Series / Encompass / Avanti - 2-Wide Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11, 17
11-13	Certification Agency	WDMA
	Manufacturer's Name	Pella Corporation
	Product Name	Pella 150 Series / Encompass / Avanti - 3-Wide Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11

Impact Resistance:

System	Impact Resistant	Requirement
1-13	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1-13	Type of Installation	Install in accordance with Pella Corporation drawing No. 1572T, Revision B1 dated December 15, 2022. Signed and sealed by Warren W. Schaeffer, P.E. on December 19, 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.