

## Product Evaluation

WIN1649 | 1022

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-1649

**Effective Date:** October 1, 2022

**Re-evaluation Date:** October 2026

**Product Name:** Impervia Fiberglass Single Hung Windows, 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	Impervia Single Hung Window (42in Vent)	LC-PG25 (47.5 x 95.5)-Type H	+25 / -25 psf
2	Impervia Single Hung Window (30in Vent)	LC-PG40 (47.5 x 83.5)-Type H	+40 / -40 psf
3	Impervia HP Single Hung Window (30in Vent)	LC-PG50 (47.5 x 83.5)-Type H	+50 / -50 psf
4	Impervia Single Hung Window (42in Vent)	LC-PG40 (47.5 x 65.55)-Type H	+40 / -40 psf
5	Impervia HP Single Hung Window (42in Vent)	LC-PG45 (47.5 x 65.5)-Type H	+45 / -45 psf
6	Impervia Single Hung Window (30in Vent)	LC-PG40 (36.75 x 83.5)-Type H	+40 / -40 psf

**General Description (Continued):**

System	Description	Label Rating	Design Pressure Rating
7	Impervia HP Single Hung Window (30in Vent)	LC-PG50 (36.75 x 83.5)-Type H	+50 / -50 psf
8	Impervia Single Hung Window	LC-PG25 (36.75 x 77.5)-Type H	+25 / -25 psf
9	Impervia HP Single Hung Window	LC-PG50 (36.75 x 77.5)-Type H	+50 / -50 psf
10	Impervia Single Hung Window (42in Vent)	LC-PG40 (36.75 x 65.5)-Type H	+40 / -40 psf
11	Impervia HP Single Hung Window (42in Vent)	LC-PG50 (36.75 x 65.5)-Type H	+50 / -50 psf
12	Impervia Single Hung Window	LC-PG50 (35.5 x 65.5)-Type H	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	47-1/2" x 95-1/2"	44-5/8" x 42"	41-7/16" x 49-11/16"
2	47-1/2" x 83-1/2"	44-5/8" x 30"	41-7/16" x 48-11/16"
3	47-1/2" x 83-1/2"	44-5/8" x 30"	41-7/16" x 49-11/16"
4	47-1/2" x 65-1/2"	44-5/8" x 42"	41-7/16" x 19-11/16"
5	47-1/2" x 65-1/2"	44-5/8" x 42"	41-7/16" x 19-11/16"
6	36-3/4" x 83-1/2"	33-15/16" x 30"	30-11/16" x 49-11/16"
7	36-3/4" x 83-1/2"	33-15/16" x 30"	30-11/16" x 49-11/16"
8	36-3/4" x 77-1/2"	33-7/8" x 37-7/8"	30-11/16" x 34-11/16"
9	36-3/4" x 77-1/2"	33-15/16" x 37-15/16"	30-11/16" x 34-11/16"
10	36-3/4" x 65-1/2"	33-15/16" x 42"	30-11/16" x 19-11/16"
11	36-3/4" x 65-1/2"	33-15/16" x 42"	30-11/16" x 19-11/16"
12	35-1/2" x 65-1/2"	32-5/8" x 31-15/16"	29-7/16" x 28-11/16"

**Product Identification (Certification Label on Window):**

System		
1-12	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Pella Impervia Series -Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17

**Impact Resistance:**

System	Impact Resistant	Requirement
1-12	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.

**Installation:**

System		
1-12	Type of Installation	Install in accordance with Pella Corporation drawing No. 1653T, dated July 8, 2014. Signed and sealed by Warren W. Schaeffer, P.E. on September 14, 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.