

Product Evaluation

WIN684 | 0820

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-684

Effective Date: August 1, 2020

Re-evaluation Date: July 2024

Product Name: Impervia Series Fiberglass Double Hung Windows, Fin and 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	Impervia Double Hung Windows; Equal Vent	LC-PG30 (48 x 78)-H	+30 / - 30 psf
2	Impervia Double Hung Windows; Equal Vent	LC-PG30 (37 x 78)-H	+30 / -30 psf
3	Impervia Double Hung Windows w/ HP Sill Dam; Equal Vent	LC-PG50 (42 x 60)-H	+50 / -50 psf
4	Impervia Double Hung Windows w/ HP Sill Dam; Equal Vent	LC-PG50 (37 x 72)-H	+50 / -50 psf
5	Impervia Double Hung Windows w/ HP Sill Dam; Cottage Vent	LC-PG50 (42 x 60)-H	+50 / -50 psf
6	Impervia Double Hung Windows w/ HP Sill Dam; Cottage Vent	LC-PG50 (48 x 54)-H	+50 / -50 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
7	Impervia Double Hung Windows; Cottage Vent	LC-PG30 (48 x 78)-H	+30 / -30 psf
8	Impervia Double Hung Windows; Cottage Vent	LC-PG30 (37 x 78)-H	+30 / -30 psf
9	Impervia Double Hung Windows w/ HP Sill Dam; Contemporary Vent	LC-PG50 (42 x 66)-H	+50 / -50 psf
10	Impervia Double Hung Windows w/ HP Sill Dam; Contemporary Vent	LC-PG50 (37 x 72)-H	+50 / -50 psf
11	Impervia Double Hung Windows w/ HP Sill Dam; Contemporary Vent	LC-PG50 (48 x 54)-H	+50 / -50 psf
12	Impervia Double Hung Windows w/ HP Sill Dam; Cottage Vent	LC-PG50 (37 x 72)-H	+50 / -50 psf
13	Impervia Double Hung Windows; Contemporary Vent	LC-PG30 (48 x 78)-H	+30 / -30 psf
14	Impervia Double Hung Windows; Contemporary Vent	LC-PG30 (37 x 78)-H	+30 / -30 psf
15	Impervia Double Hung Windows w/ HP Sill Dam; Equal Vent	LC-PG50 (48 x 54)-H	+50 / -50 psf

Product Dimensions:

System	Overall Size	Top Sash Size	Bottom Sash Size
1	48" x 78"	44.30" x 37.80"	44.30" x 37.80"
2	37" x 78"	33.50" x 37.80"	33.50" x 37.80"
3	42" x 60"	38.30" x 28.80"	38.30" x 28.80"
4	37" x 72"	33.50" x 34.80"	33.50" x 34.80"
5	42" x 60"	38.30" x 23.50"	38.30" x 34.80"
6	48" x 54"	44.30" x 21.10"	44.30" x 30.50"
7	48" x 78"	44.30" x 30.70"	44.30" x 44.90"
8	37" x 78"	33.50" x 30.70"	33.50" x 44.90"
9	42" x 66"	38.30" x 37.70"	38.30" x 25.90"
10	37" x 72"	33.50" x 41.30"	33.50" x 28.30"
11	48" x 54"	44.30" x 30.50"	44.30" x 21.10"
12	37" x 72"	33.50" x 28.30"	33.50" x 41.30"
13	48" x 78"	44.30" x 44.90"	44.30" x 44.9"
14	37" x 78"	33.50" x 44.90"	33.50" x 30.70"
15	48" x 54"	44.30" x 25.80"	44.30" x 25.80"

Product Identification (Certification Label on Window):

System		
1-15	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Impervia Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11

Impact Resistance:

System	Impact Resistant	Requirement
1-15	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1-15	Type of Installation	Install in accordance with Pella Corporation drawing No. 1654T, dated July 8, 2014. Revision C1 dated February 7, 2020. Signed and sealed by Warren W. Schaefer, P.E. on July 17, 2020.
	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.