



# Product Evaluation

WIN2079 | 0316

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-2079

**Effective Date:** March 1, 2016

**Re-evaluation Date:** November 2019

**Product Name:** Series 450 Vinyl Single Hung Windows, Individual, Fin and Frame Installation, Non-Impact Resistant

**Manufacturer:** Legacy Vinyl Windows, L.P.  
1813 Kelly Blvd.  
Carrollton, TX 75006  
(214) 237-5055

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 450 Vinyl Single Hung Windows	R-PG40 44 x 72-H	+40 / -40 psf
2	Series 450 Vinyl Single Hung Windows; FIN	R-PG50 36 x 72-H	+50 / -50 psf
3	Series 450 Vinyl Single Hung Windows; FINLESS	R-PG50 36 x 72-H	+50 / -50 psf
4	Series 450 Vinyl Single Hung Windows	R-PG50 36 x 84-H	+50 / -50 psf
5	Series 450 Vinyl Single Hung Windows	R-PG30 48 x 84-H	+30 / -30 psf

### Product Dimensions:

System	Overall Size	Sash Size	Fixed Glass Daylight Opening Size
1	43-1/2" x 71-1/2"	41-1/4" x 34-3/8"	39" x 32-3/8"
2, 3	35-1/2" x 71-1/2"	33-1/4" x 35-7/8"	31" x 33-7/16"

**Product Dimensions (Continued):**

System	Overall Size	Sash Size	Fixed Glass Daylight Opening Size
4	35-1/2" x 83-1/2"	33-1/4" x 28-3/4"	31" x 50-1/2"
5	47-1/2" x 83-1/2"	45-3/8" x 40-7/8"	43" x 38-3/8"

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

System		
1, 4, 5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LVW-1
	Product Name	Series 450 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LVW-1
	Product Name	Series 450 SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LVW-1
	Product Name	Series 450 SH (FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2, 3, 4, 5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System		
1, 2, 4, 5	Type of Installation	Fin Mount
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 wood screws
	Fastener Location/Spacing	Locate fasteners approximately 2" from each corner and 12" along the perimeter of the window
	Fastener Penetration	Minimum 1-1/2" into the wall framing
3	Type of Installation	Frame Mount
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 wood screws
	Fastener Location/Spacing	<u>Side Jambs:</u> Locate fasteners approximately 5" from each corner and 20" on center. <u>Head:</u> Locate fasteners approximately 5" from each corner and one at the mid span.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

**Note:** Keep the manufacturer's installation instructions on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.