TDI | Texas Department of Insurance

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Product Evaluation

Engineering Services Program

Evaluation ID: WIN-2079

Effective Date: January 1, 2022
Re-evaluation Date: November 2024

Product Name: Series 450 Vinyl Single Hung Windows, Individual and Twin, 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; Fin Install	R-PG40 44 x 72-H	+40 / -40 psf
2	Series 450 Vinyl Single Hung Windows; Fin Install	R-PG50 36 x 72-H	+50 / -50 psf
3	Series 450 Vinyl Single Hung Windows; Finless Install	R-PG50 36 x 72-H	+50 / -50 psf
4	Series 450 Vinyl Single Hung Windows; Fin Install	R-PG50 36 x 84-H	+50 / -50 psf
5	Series 450 Vinyl Single Hung Windows; Fin Install	R-PG30 48 x 84-H	+30 / -30 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
6	Series 450 Vinyl Single Hung Windows; Twin; CHS; Fin Install	R-PG50 72 x 72-H	+50 / -50 psf
7	Series 450 Vinyl Single Hung Windows; Twin; CHS; Finless Install	R-PG50 72 x 72-H	+50 / -50 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"
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"
6	71-1/2" x 71-1/2"	33-1/4" x 35-7/8"	30-7/8" x 32-5/16"
7	71-1/2" x 71-1/2"	33-1/4" x 35-7/8"	32-1/8" x 31-1/8"

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 TILT SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
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/A440-11
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/A440-11
6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LVW-1
	Product Name	Series 450 Twin Tilt SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Product Identification (Certification Label on Window)- continued:

System		
7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LVW-1
	Product Name	Series 450 Twin Tilt SH (FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-7	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1, 2, 4, 5, 6	Type of Installation	Fin Installation
	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" on center along the perimeter of the window
	Fastener Penetration	Minimum 1-1/2" into the wall framing
3	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 wood screws
	Fastener Location/Spacing	Side Jambs: Locate fasteners approximately 5" from each corner and 20" on center. Head: Locate fasteners approximately 5" from each corner and one at the mid span.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
7	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 wood screws
	Fastener Location/Spacing	Head & Side Jambs: Locate fasteners approximately 5" from each corner and 20" on center. Sill: Locate fasteners approximately 5" from each corner and one at the mid span. Mullion: A 4.255" x 1.250" x 0.060" 60601-T6 aluminum strap is used to secure the mullion at the sill to the wall framing. Secure strap to mullion with one (1) No. 8 x 1-1/2" truss head screw. Secure the strap to the wall framing with two (2) No. 8 pan head screws.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

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.