

Product Evaluation

WIN2711 | 1223

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-2711

Effective Date: December 1, 2023

Re-evaluation Date: May 2027

Product Name: Series 700 Vinyl Single Hung Windows, Fin Installation, Non-Impact Resistant

Manufacturer: Westlake Royal Windows
6410 Langfield Rd., Bldg. D
Houston, TX 77092
(281) 369-5688

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 700 Vinyl Twin Single Hung Windows; Equal Sash	R-PG40 (72 x 72)-H	+40 / -45 psf
2	Series 700 Vinyl Single Hung Windows; Standard Sash	LC-PG50 (36 x 84)-H	+50 / -50 psf
3	Series 700 Vinyl Single Hung Windows; Equal Sash	LC-PG35 (44 x 72)-H	+35 / -35 psf
4	Series 700 Vinyl Single Hung Windows, Equal Sash	LC-PG45 (36 x 84)-H	+45 / -45 psf
5	Series 700 Vinyl Single Hung Windows; Equal Sash	LC-PG50 (40 x 63)-H	+50 / -50 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
6	Series 700 Vinyl Single Hung Windows; Standard Sash	R-PG35 (44 x 84)-H	+35 / -35 psf
7	Series 700 Vinyl Single Hung Windows; Standard Sash	R-PG45 (44 x 72)-H	+45 / -45 psf
8	Series 700 Vinyl Twin Single Hung Windows; Standard Sash	R-PG50 (72 x 72)-H	+50 / -50 psf
9	Series 700 Vinyl Single Hung Windows; Equal Sash	LC-PG25 (44 x 84)-H	+25 / -25 psf
10	Series 700 Vinyl Single Hung Windows; Standard Sash	R-PG35 (48 x 72)-H	+35 / -35 psf
11	Series 700 Vinyl Single Hung Windows; Standard Sash	R-PG35 (48 x 84)-H	+35 / -35 psf
12	Series 700 Vinyl Single Hung Windows; Standard Sash	R-PG45 (40 x 63)-H	+45 / -45 psf
13	Series 700 Vinyl Single Hung Windows; Standard Sash	R-PG35 (48 x 96)-H	+35 / -35 psf
14	Series 700 Vinyl Single Hung Windows; Standard Sash	R-PG40 (72 x 96)-H	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	72" x 72"	33-5/16" x 34-5/8"	31" x 32-3/8"
2	36" x 84"	33-7/16" x 28-3/8"	31" x 50-5/8"
3	44" x 72"	41-7/16" x 34-11/16"	39" x 32-3/8"
4	36" x 84"	33-7/16" x 40-11/16"	31" x 38-3/8"
5	40" x 63"	37-7/16" x 31-3/16"	35" x 27-7/8"
6	44" x 84"	41-3/8" x 28-3/8"	39" x 50-5/8"
7	44" x 72"	41-3/8" x 28-3/8"	39" x 38-5/8"
8	72" x 72"	33-1/8" x 28-1/2"	31" x 38-1/4"
9	44" x 84"	41-7/16" x 40-11/16"	39" x 38-3/8"
10	48" x 72"	44-7/8" x 34-3/4"	42-3/4" x 32-3/16"
11	48" x 84"	44-7/8" x 40-3/4"	42-7/8" x 38-3/8"
12	40" x 63"	37-3/8" x 30-1/4"	35-1/8" x 27--7/8"
13	48" x 96"	44-7/8" x 28-3/8"	42-1/2" x 26-1/8"
14	72" x 96"	32-7/8" x 28-7/8"	30-1/2" x 26-1/2"

Product Identification (Certification Label on Window):

System		
1, 8	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WLR-1
	Product Name	700 Twin SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
2-7, 9	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WLR-1
	Product Name	700 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
10, 11, 12	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WLR-1
	Product Name	700 Tilt SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
13	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WLR-1
	Product Name	700 Fixed Over Tilt SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
14	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WLR-1
	Product Name	700 Fixed Over Twin Tilt SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-14	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2" truss head screws
	Fastener Location/Spacing	Beginning at each corner and spaced 9" on center, and a three-screw cluster above and below the mullion.
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

Installation:

System		
2, 4, 8	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 6 x 1-5/8" screws
	Fastener Location/Spacing	2" from each corner and 12" (max.) on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
3, 5-7, 9, 12, 13, 14	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2" truss head screws
	Fastener Location/Spacing	Beginning at each corner and spaced 9" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
10, 11	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 1 5/8" truss head screws
	Fastener Location/Spacing	2" from each corner and 9" (max.) on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
13, 14	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2" truss head screws
	Fastener Location/Spacing	Beginning at each corner and spaced 8-1/2" on center
	Fastener Penetration	Minimum of 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.