

Product Evaluation

WIN1892 | 0322

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 1-800-248-6032.

Evaluation ID: WIN-1892

Effective Date: March 1, 2022

Re-evaluation Date: March 2026

Product Name: Series 5400/ 5400S Vinyl Double Hung Windows, Frame Installation, Non-Impact Resistant

Manufacturer: Wincore Window Company, LLC
250 Staunton Turnpike
Parkersburg, WV 26104
(304) 485-7460

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG55 32 x 54-H	+55 / -65 psf
2	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 40 x 72-H	+35 / -35 psf
3	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 44 x 66-H	+35 / -35 psf
4	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 48 x 60-H	+35 / -35 psf
5	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG40 36 x 72-H	+40 / -40 psf
6	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LG-PG40 40 x 64-H	+40 / -40 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
7	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG40 44 x 58-H	+40 / -40 psf
8	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG40 48 x 54-H	+40 / -40 psf
9	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG45 32 x 70-H	+45 / -45 psf
10	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG45 36 x 64-H	+45 / -45 psf
11	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG45 40 x 56-H	+45 / -45 psf
12	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG45 44 x 52-H	+45 / -45 psf
13	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG45 48 x 48-H	+45 / -45 psf
14	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG50 32 x 64-H	+50 / -50 psf
15	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG50 36 x 56-H	+50 / -50 psf
16	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG50 40 x 50-H	+50 / -50 psf
17	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG50 44 x 46-H	+50 / -50 psf
18	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG50 48 x 42-H	+50 / -50 psf
19	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG30 48 x 72-H	+30 / -35 psf
20	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG25 44 x 84-H	+25 / -25 psf
21	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG25 48 x 78-H	+25 / -25 psf
22	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG25 52 x 72-H	+25 / -25 psf
23	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG25 56 x 66-H	+25 / -25 psf
24	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG30 36 x 84-H	+30 / -30 psf
25	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG30 40 x 78-H	+30 / -30 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
26	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG30 44 x 70-H	+30 / -30 psf
27	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG30 48 x 64-H	+30 / -30 psf
28	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG30 52 x 60-H	+30 / -30 psf
29	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG30 56 x 56-H	+30 / -30 psf
30	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 32 x 84-H	+35 / -35 psf
31	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 36 x 74-H	+35 / -35 psf
32	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 40 x 66-H	+35 / -35 psf
33	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 44 x 60-H	+35 / -35 psf
34	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 48 x 56-H	+35 / -35 psf
35	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 52 x 50-H	+35 / -35 psf
36	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG35 56 x 48-H	+35 / -35 psf
37	Series 5400/ 5400S Vinyl Double Hung Windows; X/X	LC-PG55 38 x 72-H	+55 / -65 psf

Product Dimensions:

System	Overall Size	Top and Bottom Sash Glass Daylight Opening Size
1	32" x 54"	26-1/4" x 23-3/8"
2	40" x 72"	34-1/4" x 32-3/8"
3	44" x 66"	38-1/4" x 29-3/8"
4	48" x 60"	42-1/4" x 26-3/8"
5	36" x 72"	30-1/4" x 32-3/8"
6	40" x 64"	34-1/4" x 28-3/8"
7	44" x 58"	38-1/4" x 25-3/8"
8	48" x 54"	42-1/4" x 23-3/8"
9	32" x 70"	26-1/4" x 31-3/8"
10	36" x 64"	30-1/4" x 28-3/8"
11	40" x 56"	34-1/4" x 24-3/8"
12	44" x 52"	38-1/4" x 22-3/8"

Product Dimensions (Continued):

System	Overall Size	Top and Bottom Sash Glass Daylight Opening Size
13	48" x 48"	42-1/4" x 20-3/8"
14	32" x 64"	26-1/4" x 28-3/8"
15	36" x 56"	30-1/4" x 24-3/8"
16	40" x 50"	34-1/4" x 21-3/8"
17	44" x 46"	38-1/4" x 19-3/8"
18	48" x 42"	42-1/4" x 17-3/8"
19	48" x 72"	42-1/4" x 32-3/8"
20	44" x 84"	38-1/4" x 38-3/8"
21	48" x 78"	42-1/4" x 35-3/8"
22	52" x 72"	46-1/4" x 32-3/8"
23	56" x 66"	50-1/4" x 29-3/8"
24	36" x 84"	30-1/4" x 38-3/8"
25	40" x 78"	34-1/4" x 35-3/8"
26	44" x 70"	38-1/4" x 31-3/8"
27	48" x 64"	42-1/4" x 28-3/8"
28	52" x 60"	46-1/4" x 26-3/8"
29	56" x 56"	50-1/4" x 24-3/8"
30	32" x 84"	26-1/4" x 38-3/8"
31	36" x 74"	30-1/4" x 33-3/8"
32	40" x 66"	34-1/4" x 29-3/8"
33	44" x 60"	38-1/4" x 26-3/8"
34	48" x 56"	42-1/4" x 24-3/8"
35	52" x 50"	46-1/4" x 21-3/8"
36	56" x 48"	50-1/4" x 20-3/8"
37	38" x 72"	32-1/4" x 32-3/8"

Product Identification (Certification Label on Window):

System		
1-37	Certification agency	NAMI
	Manufacturer's name or code name	Wincore Window Company LLC
	Product name	5400 Series Vinyl Double Hung Window
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17

Impact Resistance:

System	Impact Resistant	Requirement
1-37	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1-19	Type of Installation	Install in accordance with Wincore Windows & Doors drawing TX-4472, dated September 9, 2014. Revision 1 dated January 16, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 17, 2020.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
20-37	Type of Installation	Install in accordance with Wincore Windows & Doors drawing TX-4473, dated September 9, 2014. Revision 1 dated January 16, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 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.