

Product Evaluation

WIN1402 | 1220

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-1402

Effective Date: December 1, 2020

Re-evaluation Date: December 2024

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

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	5400 / 5400S Series Vinyl Single Hung Window	LC-PG50 40 x 42-H	+50 / -60 psf
2	5400 / 5400S Series Vinyl Single Hung Window	LC-PG50 36 x 48-H	+50 / -60 psf
3	5400 / 5400S Series Vinyl Single Hung Window	LC-PG50 32 x 54-H	+50 / -60 psf
4	5400 / 5400S Series Vinyl Single Hung Window	LC-PG45 48 x 40-H	+45 / -55 psf
5	5400 / 5400S Series Vinyl Single Hung Window	LC-PG45 44 x 42-H	+45 / -55 psf
6	5400 / 5400S Series Vinyl Single Hung Window	LC-PG45 40 x 48-H	+45 / -55 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
7	5400 / 5400S Series Vinyl Single Hung Window	LC-PG45 36 x 52-H	+45 / -55 psf
8	5400 / 5400S Series Vinyl Single Hung Window	LC-PG45 32 x 60-H	+45 / -55 psf
9	5400 / 5400S Series Vinyl Single Hung Window	LC-PG40 48 x 44-H	+40 / -50 psf
10	5400 / 5400S Series Vinyl Single Hung Window	LC-PG40 44 x 48-H	+40 / -50 psf
11	5400 / 5400S Series Vinyl Single Hung Window	LC-PG40 40 x 54-H	+40 / -50 psf
12	5400 / 5400S Series Vinyl Single Hung Window	LC-PG40 36 x 60-H	+40 / -50 psf
13	5400 / 5400S Series Vinyl Single Hung Window	LC-PG40 32 x 66-H	+40 / -50 psf
14	5400 / 5400S Series Vinyl Single Hung Window	LC-PG35 48 x 50-H	+35 / -45 psf
15	5400 / 5400S Series Vinyl Single Hung Window	LC-PG35 44 x 56-H	+35 / -45 psf
16	5400 / 5400S Series Vinyl Single Hung Window	LC-PG35 40 x 60-H	+35 / -45 psf
17	5400 / 5400S Series Vinyl Single Hung Window	LC-PG35 36 x 68-H	+35 / -45 psf
18	5400 / 5400S Series Vinyl Single Hung Window	LC-PG35 32 x 72-H	+35 / -45 psf
19	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 48 x 60-H	+30 / -40 psf
20	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 44 x 64-H	+30 / -40 psf
21	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 40 x 72-H	+30 / -40 psf
22	5400 / 5400S Series Vinyl Single Hung Window	LC-PG25 48 x 72-H	+25 / -35 psf
23	5400 / 5400S Series Vinyl Single Hung Window	LC-PG50 48 x 72-H	+50 / -55 psf
24	5400 / 5400S Series Vinyl Single Hung Window	LC-PG35 52 x 48-H	+35 / -45 psf
25	5400 / 5400S Series Vinyl Single Hung Window	LC-PG40 48 x 96-H	+40 / -40 psf
26	5400 / 5400S Series Vinyl Single Hung Window	LC-PG35 32 x 80-H	+35 / -40 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
27	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 54 x 56-H	+30 / -35 psf
28	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 52 x 58-H	+30 / -35 psf
29	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 40 x 74-H	+30 / -35 psf
30	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 36 x 84-H	+30 / -35 psf
31	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 48 x 96-H	+30 / -35 psf
32	5400 / 5400S Series Vinyl Single Hung Window	LC-PG30 36 x 96-H	+30 / -30 psf
33	5400 / 5400S Series Vinyl Single Hung Window	LC-PG25 52 x 68-H	+25 / -30 psf
34	5400 / 5400S Series Vinyl Single Hung Window	LC-PG25 48 x 74-H	+25 / -30 psf
35	5400 / 5400S Series Vinyl Single Hung Window	LC-PG25 44 x 82-H	+25 / -30 psf
36	5400 / 5400S Series Vinyl Single Hung Window	LC-PG25 40 x 84-H	+25 / -30 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Glass Daylight Opening Size
1	40" x 42"	37-3/4" x 20"	35-1/2" x 17-3/4"
2	36" x 48"	33-3/4" x 23"	31-1/2" x 20-3/4"
3	32" x 54"	29-3/4" x 26"	27-1/2" x 23-3/4"
4	48" x 40"	45-3/4" x 19"	43-1/2" x 16-3/4"
5	44" x 42"	41-3/4" x 20"	39-1/2" x 17-3/4"
6	40" x 48"	37-3/4" x 23"	35-1/2" x 20-3/4"
7	36" x 52"	33-3/4" x 25"	31-1/2" x 22-3/4"
8	32" x 60"	29-3/4" x 29"	27-1/2" x 26-3/4"
9	48" x 44"	45-3/4" x 21"	43-1/2" x 18-3/4"
10	44" x 48"	41-3/4" x 23"	39-1/2" x 20-3/4"
11	40" x 54"	37-3/4" x 26"	35-1/2" x 23-3/4"
12	36" x 60"	33-3/4" x 29"	31-1/2" x 26-3/4"
13	32" x 66"	29-3/4" x 32"	27-1/2" x 29-3/4"
14	48" x 50"	45-3/4" x 24"	43-1/2" x 21-3/4"
15	44" x 56"	41-3/4" x 27"	39-1/2" x 24-3/4"
16	40" x 60"	37-3/4" x 29"	35-1/2" x 26-3/4"

Product Dimensions (continued):

System	Overall Size	Operable Sash Size	Fixed Glass Daylight Opening Size
17	36" x 68"	33-3/4" x 33"	31-1/2" x 30-3/4"
18	32" x 72"	29-3/4" x 35"	27-1/2" x 32-3/4"
19	48" x 60"	45-3/4" x 29"	43-1/2" x 26-3/4"
20	44" x 64"	41-3/4" x 31"	39-1/2" x 28-3/4"
21	40" x 72"	37-3/4" x 35"	35-1/2" x 32-3/4"
22	48" x 72"	45-3/4" x 35"	43-1/2" x 32-3/4"
23	48" x 72"	45-3/4" x 35"	43-1/2" x 32-3/4"
24	52" x 48"	49-3/4" x 23"	47-1/2" x 20-3/4"
25	48" x 96"	45-3/4" x 38"	43-1/2" x 55"
26	32" x 80"	29-3/4" x 39"	27-1/2" x 36-3/4"
27	54" x 56"	51-3/4" x 27"	49-1/2" x 24-3/4"
28	52" x 58"	49-3/4" x 28"	47-1/2" x 25-3/4"
29	40" x 74"	37-3/4" x 36"	35-1/2" x 33-3/4"
30	36" x 84"	33-3/4" x 41"	31-1/2" x 38-3/4"
31	48" x 96"	45-3/4" x 47"	43-1/2" x 44-3/4"
32	36" x 96"	33-3/4" x 47"	31-1/2" x 44-3/4"
33	52" x 68"	49-3/4" x 33"	47-1/2" x 30-3/4"
34	48" x 74"	45-3/4" x 36"	43-1/2" x 33-3/4"
35	44" x 82"	41-3/4" x 40"	39-1/2" x 37-3/4"
36	40" x 84"	37-3/4" x 41"	35-1/2" x 38-3/4"

Product Identification (Certification Label on Window):

System		
1-36	Certification agency	NAMI
	Manufacturer's name or code name	Wincore Window Company LLC
	Product name	5400S Series Vinyl Single Hung Window (O/X)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17
1-36	Certification agency	NAMI
	Manufacturer's name or code name	Wincore Window Company LLC
	Product name	5400 Series Vinyl Single Hung Window (O/X)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17

Impact Resistance:

System	Impact resistant	Requirement
1-36	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1-22	Type of Installation	Install in accordance with Wincore Windows and Doors drawing TX-4470 dated April 27, 2016. Revision 1 dated January 21, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 9, 2020.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
23-36	Type of Installation	Install in accordance with Wincore Windows and Doors drawing TX-4471 dated April 27, 2016. Revision 1 dated January 21, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 9, 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.