



Product Evaluation

WIN833 | 1015

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-833

Effective Date: October 1, 2015

Re-evaluation Date: March 2016

Product Name: Series 43-17 DH, Vinyl Double Hung Tilt Windows, New and Replacement Construction, Individual and Double Mulled, Non-Impact Resistant

Manufacturer: Simonton Windows
5300 Briscoe Road
Parkersburg, WV 26102
(800) 746-6687

Marketed By: ProFinish Master
ProFinish Contractor
Amcraft Grand Estates New Construction

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton E9 Steel Reinforcement, Fin-Mounted, (X/X)	H R50 26 X 76	+50 / -50 psf
2	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton A9 Aluminum Reinforcement, Fin-Mounted, (X/X)	H-R50 36 x 74	+50 / -50 psf
3	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton A9 Aluminum Reinforcement, Replacement Construction, (X/X)	H R50 36 X 74	+50 / -50 psf
4	Series 43-17 DH Vinyl Double-Hung Tilt Windows Without Reinforcement, Fin-Mounted, (X/X)	H R50 32 X 62	+50 / -50 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
5	Series 43-17 DH Vinyl Double-Hung Tilt Windows Without Reinforcement, Fin-Mounted, (X/X)	R PG45 36 X 63-H	+45 / -45 psf
6	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton A9 Aluminum Reinforcement, Fin-Mounted, (X/X)	H R45 44 X 63	+45 / -45 psf
7	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton A7 Aluminum Reinforcement, Fin-Mounted, (X/X)	R PG35 44 X 63-H	+35 / -35 psf
8	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton E9 Steel Reinforcement, Fin-Mounted, (X/X)	H R35 53 X 71	+35 / -35 psf
9	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton A7 Aluminum Reinforcement, Fin-Mounted, (X/X)	H R30 48 X 80	+30 / -30 psf
10	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton A9 Aluminum Reinforcement, Replacement Construction, (X/X)	H R35 48 X 80	+35 / -35 psf
11	Series 43-17 DH Vinyl Double-Hung Tilt Windows with Simonton A9 Aluminum Reinforcement, Fin-Mounted, (X/X)	H R35 48 X 80	+35 / -35 psf
12	Series 43-17 DH Vinyl Double-Hung, Twin-Mulled Tilt Windows with Simonton Aluminum-Reinforced Integral Mullin, Fin-Mounted, (X/X.X/X)	R-PG35 73 X 63-H	+35 / -35 psf
13	Series 43-17 DH Vinyl Double-Hung, Twin-Mulled Tilt Windows with Simonton A2 Aluminum Reinforcement, Fin-Mounted, (X/X.X/X)	H-R30 89 X 63	+30 / -30 psf
14	Series 43-17 DH Vinyl Double-Hung, Twin-Mulled Tilt Windows with Simonton A2 Aluminum Reinforcement, Replacement Construction, (X/X.X/X)	H-R30 89 X 63	+30 / -30 psf

Product Dimensions:

System	Overall Size	Daylight Opening Size (2)
1	26" x 76"	19-3/4" x 34"
2	36" x 74"	29-5/8" x 33"
3	36" x 74"	29-5/8" x 33"
4	32" x 62"	25-3/4" x 27"
5	36" x 63"	29-5/8" x 27-1/2"
6	44" x 63"	37-5/8" x 27-1/2"
7	44" x 63"	37-5/8" x 27-1/2"

Product Dimensions (continued):

System	Overall Size	Daylight Opening Size (2)
8	52-1/2" x 71"	46-1/8" x 31-1/2"
9	48" x 80"	41-3/4" x 36"
10	48" x 80"	41-3/4" x 36"
11	48" x 80"	41-3/4" x 36"
12	73" x 63"	29-7/8" x 27-1/2"
13	89" x 63"	37-7/8" x 27-1/2"
14	89" x 63"	37-7/8" x 27-1/2"

Product Identification (Certification Label on Window):

System		
1-14	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1, SIM-2
	Product Name	Systems 1, 4, 6, 8, 9, 10 and 11: Series 43-17 DH Systems 2 & 3: Series 43-17 DH (Finless) Systems 5 & 7: Series 43-17 DH (Fin) System 12: Series 43-17 DH TWIN (T-MULL) (FIN) Systems 13 & 14: Series 43-17 DH TWIN (T-MULL)
	Test Standards	Systems 5, 7 and 12: AAMA/WDMA/CSA 101/I.S.2/A440-08 All Other Systems: AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

System	Impact Resistant	Requirement
1-14	No	Provide an impact protective system when installing the product in the Inland I and Seaward zones.

Installation:

System		
3, 10, 14 (NO FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners (Nail Fin)	Minimum No. 8 x 2-1/2" steel pan head screws
	Fastener Location/Spacing	Drive four fasteners through the vinyl window frame jambs at 6" from each corner.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Installation (continued):

System		
All other systems (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 6 x 1-5/8" steel pan head screws
	Fastener Location/Spacing	Drive fasteners at 2" from each corner and place additional fasteners around the window frame perimeter at approximately 8" on center (maximum).
	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, the IBC, and the Texas Revisions.