



Product Evaluation

WIN2032 | 0915

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-2032

Effective Date: September 1, 2015

Re-evaluation Date: December 2017

Product Name: Series 500 Vinyl Double Hung Windows, Fin Installation, Non-Impact Resistant

Manufacturer: Atrium Windows & Doors
9001 Ambassador Row
Dallas, TX 75247
(214) 637-2696

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 500 Vinyl Double Hung Window; individual	LC-PG50 36x74-H	+50 / -50 psf
2	Series 500 Vinyl Double Hung Window; Individual	LC-PG30 48x78-H	+30 / -30 psf
3	Series 500 Vinyl Double Hung Window; Triple	LC-PG50 109x74-H	+50 / -50 psf
4	Series 500 Vinyl Double Hung Window; Twin Double Hung with Transom	LC-PG40 72x108-H	+40 / -40 psf

Product Dimensions:

System	Overall Size	Top Sash Size	Bottom Sash Size
1	36" x 74"	31-13/16" x 35-5/16"	32-5/8" x 36-1/8"
2	48" x 78"	43-13/16" x 37-5/16"	44-5/8" x 38-1/8"
3	109" x 74"	Three: 31-13/16" x 35-5/16"	Three: 32-5/8" x 36-1/4"

Product Dimensions (continued):

System	Overall Size	Top Sash Size	Bottom Sash Size	Fixed Window Size
4	72" x 108"	31-9/16" x 34-1/8"	32-1/8" x 34-7/8"	72" x 35-1/2"

Product Identification (Certification Label on Window):

System		
1, 2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	500 DH (N10)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	500 Triple DH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	500 Twin DH with Transom
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1, 2, 3, 4	Type of Installation	Nailing Fin
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 flat head screws
	Fastener Location/Spacing	Approximately 2" from each corner and 8" on center along the perimeter
	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.