



AAMA/NWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

SIMONTON WINDOWS

SERIES/MODEL: 75-75

TYPE: PVC Fixed Window

Title of Test	Results
Rating	F-LC45 96 x 72
Overall Design Pressure	45 psf
Air Infiltration	<0.01 cfm/ft ²
Water Resistance	6.75 psf
Structural Test Pressure	67.5 psf
Forced Entry Resistance	Passed

Reference should be made to Report No. 05-30327.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Digitally signed by Lynn George

Lynn George, Project Manager

LG:nlb



Architectural Testing

AAMA/NWDA 101/I.S.2-97 TEST REPORT

Rendered to:

SIMONTON WINDOWS
One Cochrane Avenue
Pennsboro, West Virginia 26415-9403

Report No: 05-30327.01
Test Date: 01/17/02
Report Date: 02/13/02
Expiration Date: 01/17/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Simonton Windows to witness performance tests on a Series/Model 75-75, poly vinyl chloride (PVC) fixed window at their facility located in Pennsboro, West Virginia. The sample tested successfully met the performance requirements for an F-LC45 36 x 72 rating. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 75-75

Type: Poly Vinyl Chloride (PVC) Fixed Window

Overall Size: 8' 0" wide by 6' 0" high

Daylight Opening Size: 7' 6-1/4" wide by 5' 6-1/4" high

Finish: All vinyl was white.

Glazing Details: The unit was interior dry glazed using 3/4" thick sealed insulating glass fabricated with two 3/16" annealed sheets separated by a 3/8" desiccated foam spacer. The glass was set against an EPDM gasket and secured using snap-in rigid vinyl/dual durometer glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com



Test Specimen Description: (Continued)

Frame Construction: The PVC frame was assembled using mitered and welded corner construction.

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
1/8" diameter weephole (with open cell foam baffles)	2	Exterior face of sill, one 3" in from each end
3/16" diameter weephole	2	Sill glazing pocket, one 5" in from each end

Reinforcement: No reinforcement was utilized.

Installation: The unit was installed into a wood buck constructed from Spruce-Pine-Fir construction lumber and secured through the jambs using four #8 wood screws, one at the top and bottom of each jamb (embedded 1-1/2" into the wooden test buck). A two piece PVC blind stop measuring 1/2" x 3/4" was applied to the interior and exterior perimeter, with the exception of an approximate 6" void at the interior and exterior sill corners, and fastened using 1-1/4" long screws spaced approximately 6" on center. The unit was sealed to the buck and blind stop at the exterior and interior perimeter with a silicone caulking, with the exception of an approximate 6" long void at each interior sill corner.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.2	Air Infiltration per ASTM E 283 (See Note #1) @ 1.56 psf (25 mph)	<0.01 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/IS. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM E 547 WTP = 3.75 psf	No leakage	No leakage
2.1.4.2	Uniform Load Structural @ 37.5 psf (positive) @ 37.5 psf (negative)	No damage No damage	No damage No damage



Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.7	Welded Corner Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Hand Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547 WTP = 6.75psf	No leakage	No leakage
4.4.2	Uniform Load Structural		
	@ 67.5 psf (positive)	No damage	No damage
	@ 67.5 psf (negative)	No damage	No damage

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

Digitally signed by Lynn George

Lynn George
Project Manager

Scott A. Warner
Executive Vice President

LG:nlb
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