



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	
	Test Specimen #1	Test Specimen #2
Rating	F-LC60 72 x 60	F-LC50 60 x 60
Overall Design Pressure	60 psf	50 psf
Operating Force	N/A	N/A
Air Infiltration	<0.01 cfm/ft ²	N/A
Water Resistance	9.0 psf	N/A
Structural Test Pressure	90 psf	75 psf
Deglazing	N/A	N/A
Forced Entry Resistance	Passed	N/A

Reference should be made to Report No. 05-30302.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Lynn George, Project Manager

LG:mlb



Architectural Testing

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

Rendered to:

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

Report No: 05-30302.01

Test Date: 12/06/01

Report Date: 12/18/01

Expiration Date: 12/06/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Simonton Windows to witness performance tests on two Series/Model 75-75, poly vinyl chloride (PVC) fixed windows at their facility located in Pennsboro, West Virginia. The samples tested successfully met the performance requirements for following ratings: Test Specimen #1 F-LC60 72 x 60, Test Specimen #2 F-LC50 60 x 60. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 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

Test Specimen #1: F-LC60 72 x 60

Overall Size: 6' 0" wide by 5' 0" high

Daylight Opening Size: 5' 6-1/8" wide by 4' 6-1/8" high

Glazing Type: 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.



Test Specimen Description: (Continued)

Test Specimen #2: F-LC50 60 x 60

Overall Size: 5' 0" wide by 5' 0" high

Daylight Opening Size: 4' 6-1/8" wide by 4' 6-1/8" high

Glazing Type: The unit was interior dry glazed using 3/4" thick sealed insulating glass fabricated with two 1/8" annealed sheets separated by a 1/2" desiccated foam spacer.

The following descriptions apply to all specimens.

Finish: All vinyl was white.

Glazing Details: The glass was set against an EPDM gasket and secured using snap-in rigid vinyl/dual durometer glazing beads.

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 weepole	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). The unit was sealed to the buck 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>
<u>Test Specimen #1:</u> F-LC60 72 x 60			
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 (or exceeds) the performance levels specified in AAMA/NWWDA 101/I.S. 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
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 = 9.0 psf	No leakage	No leakage
4.4.2	Uniform Load Structural @ 90.0 psf (positive) @ 90.0 psf (negative)	No damage No damage	No damage No damage
<u>Test Specimen #2:</u> F-LC50 60 x 60			
<u>Optional Performance</u>			
4.4.2	Uniform Load Structural @ 75.0 psf (positive) @ 75.0 psf (negative)	No damage No damage	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:

Lynn George
Project Manager

Scott A. Warner
Executive Vice President

LG:mlb
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