

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

Rendered to:

NEWTOWN MANUFACTURING

SERIES/MODEL: 2300/2500 PW

TYPE: PVC Fixed Window

Title	Summary of Results	
	Test Specimen #1	Test Specimen #2
AAMA Rating	F-C40 72 x 72	F-C70 60 x 60
Air Infiltration	0.01 cfm/ft ²	N/A
Water Resistance Test Pressure	12.0 psf	12.0 psf
Uniform Load Deflection Test Pressure	±40.0 psf	±70.0 psf
Uniform Load Structural Test Pressure	± 60.0 psf	±105.0 psf
Forced Entry Resistance	Passed	N/A

Reference should be made to ATI Report No. 07-30309.02 for complete test specimen description and data.



Architectural Testing

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

Rendered to:

NEWTOWN MANUFACTURING
55 Thayer Street
Wilkes-Barre, Pennsylvania 18702

Report No: 07-30309.02
Test Date: 03/24/03
Report Date: 06/24/03
Expiration Date: 03/24/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Dayton Technologies, LLC to witness tests at their facility in Monroe, Ohio, on two Series/Model 7200 PVC Picture Windows. The samples tested successfully and met the performance requirements for the following ratings: Test Specimen #1: F-C40 72 x 72 and Test Specimen #2: F-C70 60 x 60. This test report is a reissued of the original report 07-30309.01. This report is issued in the name of Newtown Manufacturing through written authorization of Dayton Technologies, LLC. Test specimen descriptions and results are reported herein.

Test Procedure: 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:

Test Specimen #1: F-C40 72 x 72

Series/Model: 2300/2500 PW

Type: PVC Fixed Window

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

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

Reinforcement: No reinforcement was utilized.

Test Specimen Description: (Continued)

Test Specimen #2: F-C70 60 x 60

Series/Model: 7200 Picture Window

Type: PVC Fixed Window

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

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

Reinforcement: No reinforcement was utilized.

The following descriptions apply to all specimens.

Glass Type: Nominal 5/8" thick glass was fabricated from two 1/8" thick clear annealed sheets with a spacer system.

Glazing Type: Insulating glass was secured on the exterior with silicone and secured with exterior PVC snap-in glazing beads. The perimeter was sealed with silicone.

Finish: All PVC was white.

Frame Construction: The frame was constructed from custom PVC extrusions. All corners were mitered and thermally welded.

Drainage: Sloped sill.

Installation: The test specimen was fastened to a 2" by 10" #2 Southern yellow pine wood buck using #8 by 1-1/4" steel screws through the nailing fin, spaced every 12", within 6" of corners (28 total). Perimeter was sealed with silicone.

Test Results:

The results are tabulated as follows.

Test Specimen #1: F-C40 72 x 72

<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 @ 1.57 psf (25 mph)	0.01 cfm/ft ²	0.3 cfm/ft ² max.

Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.

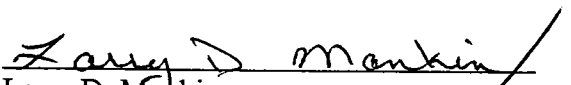
Test Results: (Continued)

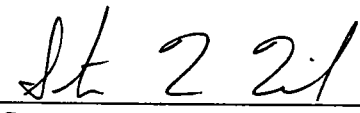
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1: F-C40 72 x 72 (Continued)</u>			
2.1.3	Water Resistance per ASTM E 547-96 WTP = 4.50 psf	No leakage	No leakage
2.1.4.2	Uniform Load Structural per ASTM E 330-97 (Loads were held for 10 seconds) @ 45.0 psf (positive) @ 45.0 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 Type A Grade 10 Hand and Tool Manipulation Test	No entry	No entry
<u>Optional Performance:</u>			
4.3	Water Resistance per ASTM E 547-96 WTP = 12.0 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 330-97 WTP = 12.0 psf	No leakage	No leakage
4.4.2	Uniform Load Structural per ASTM E 330-97 (Loads were held for 10 seconds) @ 60.0 psf (positive) @ 60.0 psf (negative)	No damage No damage	No damage No damage
<u>Test Specimen #2: F-C70 60 x 60</u>			
4.3	Water Resistance per ASTM E 547-96 WTP = 12.0 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 330-97 WTP = 12.0 psf	No leakage	No leakage
4.4.2	Uniform Load Structural per ASTM E 330-97 (Loads were held for 10 seconds) @ 105.0 psf (positive) @ 105.0 psf (negative)	No damage No damage	No damage No damage

This report is reissued in the name of Newtown Manufacturing through written authorization of Acro Extrusion Company to whom the original report was rendered. The original Acro Extrusion Company Report No. is 07-30309.01.


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. This report may not be reproduced except in full without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:


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JUNE 24, 2003

LDM:jb/nlb
07-30309.02


8/8/03
R. F. Oleck
FL PE # 52514

DOCUMENT CONTROL ADDENDUM #07-30309.00

Current Issue Date: 06/24/03

Report No.: 07-30309.01

Requested by: Skip Walker, Acro Extrusion Company

Purpose: AAMA/NWWDA 101/I.S.2-97 testing of Series/Model 7200 PW, PVC fixed window.

Issued Date: 03/31/03

Comments:

Report No.: 07-30309.02

Requested by: Dennis Cox, Dayton Technologies, LLC and Carl Slocomb, Newtown Manufacturing

Purpose: Reissue Report No. 07-30309.01 in the name of Newtown Manufacturing

Issued Date: 06/24/03

Comments: Certification copy of report to Tanya Wix at NAMI.
Florida P.E. seal required on report.