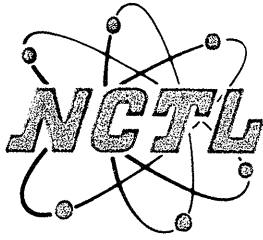


NATIONAL CERTIFIED TESTING LABORATORIES

Regency Plus, Inc.
Structural Performance Test Report
NCTL 210-2747-2
Model "3000/4000" Fixed
Picture Window
Test Date: 11/13/01

Samuel Adams
1/30/02



NATIONAL CERTIFIED TESTING LABORATORIES

1464 GEMINI BOULEVARD • ORLANDO, FLORIDA 32837
PHONE (407) 240-1356 • FAX (407) 240-8882

STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-210-2747-1
Test Date: 11/13/01
Report Date: 01/07/02
Expiration Date: 11/13/05

Client: Regency Plus
1024 Locust Gap Highway
Mt. Carmel, PA 17961

Test Specimen: Regency Plus "Series 3000/4000" Fixed Picture
(F-R70 84 x 52).

Test Method: AAMA/NWWDA 101/I.S. 2-97, "Voluntary Specifications for Aluminum,
Vinyl (PVC), and Wood Windows and Glass Doors."

TEST SPECIMEN DESCRIPTION

General: The test specimen was a vinyl fixed lite prime window measuring 84" wide by 52" high overall. The fixed lite was glazed to the frame members, providing a viewing area of 79" wide by 46-1/2" high. A rigid vinyl cap was snap-fitted at the interior frame perimeter. The frame was of welded mitered corner construction

Glazing: The fixed lite was interior glazed using an adhesive foam tape back bedding and a snap-in dual durometer rigid vinyl glazing bead.

Weeps: No apparent weeps employed

Interior & Exterior Surface Finish: White vinyl (PVC).

Sealant: N/A

Barry Pollock
1/3/02

TEST RESULTS

<u>Par. No.</u>	<u>Title Of Test</u>	<u>Measured</u>	<u>Allowed</u>
2.1.2	Air Infiltration - ASTM E283 1.57 psf (25 mph)	0.1 cfm/ft ² (0.003 cfm/ft ²)	0.3 cfm/ft
2.1.3	Water Resistance - ASTM E547 5.0 gph/ft ² WTP = 12.0 psf	No Leakage	No Leakage
2.1.4.2 **	Uniform Load Structural - ASTM E330 60.0 psf Exterior 60.0 psf Interior	0.008" 0.015"	0.208" 0.208"
2.1.8	Forced Entry Resistance - ASTM F588 Level 10 (See Appendix A for test results)	Meets as Stated	

OPTIONAL PERFORMANCE

4.4.2 **	Uniform Load Structural - ASTM E330 105.0 psf Exterior 105.0 psf Interior	0.015" 0.015"	0.208" 0.208"
**	No glass breakage or permanent damage causing the unit to be inoperable		

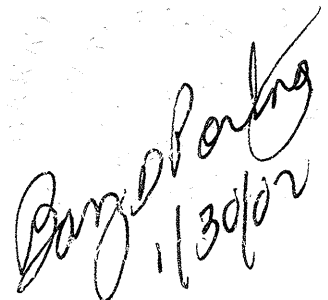
TEST COMPLETED 09/22/99

This test specimen meets (or exceeds) the performance levels specified in Table 2.1 of AAMA/NWWDA 101/I.S. 2-97 for air infiltration. The listed results were secured by using the designated test methods and indicate compliance with the performance requirements of the referenced specification paragraphs for the F-R70 84x52 product designation.

Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four (4) years. The results obtained apply only to the specimen tested. No conclusions of any kind regarding the adequacy or inadequacy of the glass in the test specimen may be drawn from this test. This report does not constitute certification of the product which may only be granted by a certification program validator.

NATIONAL CERTIFIED TESTING LABORATORIES


DANIEL D. CONYERS
Laboratory Manager


1/30/02

APPENDIX A
Forced Entry Resistance Test Results

Test Method: *ASTM F588-85 (94), "Standard Test Method for Resistance of Window Assemblies to Forced Entry, Excluding Glazing."*

TEST RESULTS

<u>Paragraph No.</u>	<u>Loads</u>	<u>Duration</u>	<u>Measured</u>	<u>Allowed</u>
7.0 - Hand Manipulation		5 Minutes	No Entry	No Entry
8.0 - Hand Manipulation		5 Minutes	No Entry	No Entry
9.4.1 - Test 19	150 lbf	2 Minutes	No Entry	No Entry
9.1.1.8				
7.0 - Hand Manipulation		5 Minutes	No Entry	No Entry
8.0 - Tool Manipulation		5 Minutes	No Entry	No Entry

Paul D. Patton
1/30/02