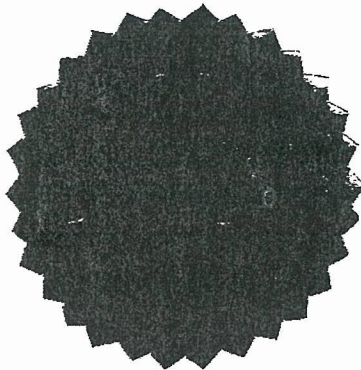


# NOTICE OF PRODUCT CERTIFICATION



**CERTIFICATION NO:** NI010057  
**DATE:** 11/16/2009  
**CERTIFICATION PROGRAM:** Structural  
**COMPANY:** Superseal Mfg  
**CODE:** S-082-1

The "Notice of Product Certification" is valid only when Administrator's Seal is applied to the upper left hand portion of this form and a certification label is applied to the product. This certification seal represents product conformity to the applicable specification and that all certification criteria has been satisfied.

The product described below is approved for listing in the Directory of Certified Products at [www.NAMICertification.com](http://www.NAMICertification.com). Please review, and advise NAMI immediately if data, as shown, requires corrections.

COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
<b>Superseal Manufacturing Company</b> <b>125 Helen Street</b> <b>South Plainfield, NJ 07080</b>	<b>Series "1650" Vinyl</b> <b>Awning Prime Window</b> Configuration: X Glazing: IG-1/8" Annealed Glass Frame: W-1219mm(48") H-813mm(32") Vent: W-1165mm(45.88") H-759mm(29.88") STP: Pos+4320Pa(90.0psf) Neg-4320Pa(90.0psf)

SPECIFICATION	PRODUCT RATING
<b>AAMA/WDMA/CSA 101/I.S.2/A440-05</b> <b>ASTM F588-07</b>	<b>AP-R60 1219 x 813 (48 x 32)</b> <b>FER-Passed</b>

Product Tested By: National Certified Testing Laboratories, Inc.  
Report No: NCTL-110-12490-1 (Structural/FER)  
Expiration Date: **October 31, 2013**

Administrator's Signature: \_\_\_\_\_

**NATIONAL ACCREDITATION AND  
MANAGEMENT INSTITUTE, INC.**  
4794 George Washington Memorial Highway  
Hayes, VA 23072  
Tel: (804) 684-5124  
Fax: (804) 684-5122

**SUPERSEAL MANUFACTURING CO.**

**STRUCTURAL PERFORMANCE REPORT**

Series "1650"

Awning Vinyl Prime Window

NCTL-110-12490-1



# NATIONAL CERTIFIED TESTING LABORATORIES

FIVE LEIGH DRIVE • YORK, PENNSYLVANIA 17406 • TELEPHONE (717) 846-1200  
FAX (717) 767-4100  
www.nctlinc.com

**SUPERSEAL MANUFACTURING CO.  
AAMA/WDMA/CSA 101/I.S.2/A440-05  
TEST SUMMARY REPORT**

*Report No: NCTL-110-12490-1S  
Expiration Date: 10/31/13*

## *Test Specimen*

*Manufacturer: Superseal Manufacturing Co.*

*Product Type: Awning Vinyl Prime Window*

*Series/Model: Series "1650"*

*Primary Product Designation: AP-R60 1219.2 x 812.8 (48x32)*

*Optional Product Designation: Not Applicable*

*Test Completion Date: 10/30/09*

*Reference should be made to Structural Performance Test Report Number NCTL-110-12490-1 for complete specimen description and test data.*

NATIONAL CERTIFIED TESTING LABORATORIES

  
SERGE PAQUET  
Technician



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## STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-110-12490-1  
Test Date: 10/30/09  
Report Date: 11/02/09  
Expiration Date: 10/31/13

**Client:** Superseal Manufacturing Co.  
125 Helen Street, P.O. Box 795  
South Plainfield, NJ 07080

**Test Specimen:** Superseal Manufacturing Co.'s Series "1650" Awning Vinyl Prime Window AP-R60 1219.2 x 812.8 (48x32).

**Test Specification:** AAMA/WDMA/CSA 101/I.S.2/A440-05, "Standard/Specification for Windows, Doors and Unit Sky Lights."

### TEST SPECIMEN DESCRIPTION

**General:** The test specimen was an awning vinyl prime window measuring 1219.2 mm (48") wide by 812.8 mm (32") high overall. The vent measured 1165.23 mm (45-7/8") wide by 758.83 mm (29-7/8") high. A metal handle/lock system was located at 127 mm (5") from the sill on the jambs. The nylon keepers were located on the lock stile at the lock positions. A roto-operator employing scissors-type hardware was located at midspan on the sill. The vent employed standard two (2) bar hinges located at the stiles/jambs. One (1) extruded aluminum L-shaped reinforcement bar (1.247 mm (0.050") thick) filled the length of the stile and bottom rail hollows. The frame and vent were of welded mitered corner construction.

**Glazing:** The vent was interior glazed using sealed insulating glass with an adhesive and foam tape back-bedding and a snap-in two (2) leaf dual durometer rigid vinyl glazing bead. The overall insulating glass thickness was 19.05 mm (3/4") consisting of two (2) lites of double strength (3.18 mm (1/8") thick) annealed glass and one (1) space created by a coated U-shaped steel spacer system (CU-D).

**Weatherseals:** One (1) strip of foam-filled bulb-vinyl weatherstrip was located at the vent perimeter. One (1) strip of bulb-vinyl weatherstrip was located at the frame perimeter.

**Weeps:** One (1) weep hole measuring 9.53 mm (3/8") x 6.35 mm (1/4") was located at 6.35 mm (1/4") from each end of the bottom rail.

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

**Sealant:** No apparent sealant applied.

**Insect Screen:** No screen employed.

**Installation:** The specimen was installed into a standard grade 50.8 mm (2") by 254 mm (10") lumber test buck. The specimen was secured to the buck with 25.4 mm (1") roofing nails through every pre-punched hole in the nail fin. The exterior perimeter was sealed with a silicone sealant.

**TEST RESULTS**

<u>Par. No.</u>	<u>Title of Test &amp; Method</u>	<u>Measured</u>	<u>Allowed</u>
5.3.1.1	Operating Force - ASTM E 2068 Vent		
	Initiate Open	<26.69 N (<6 lbf)	-----
	Initiate Close	<26.69 N (<6 lbf)	30 N (7 lbf)
	Maintain Open	<26.69 N (<6 lbf)	-----
	Maintain Close	<26.69 N (<6 lbf)	30 N (7 lbf)
5.3.1.1.3	Latch Operation - Opening / Closing	<31 N (<7 lbf)	100 N (22.5 lbf)
5.3.2	Air Infiltration - ASTM E 283 75 Pa - (1.57 psf) (25 mph)	0.5 L/ (sec • m <sup>2</sup> ) (0.1 cfm/ft <sup>2</sup> ) (0.05 cfm/ft <sup>2</sup> ) measured	1.5 L/ (sec • m <sup>2</sup> ) (0.1 cfm/ft <sup>2</sup> )
5.3.3	Water Penetration - ASTM E 547 3.4 L/ (min • m <sup>2</sup> ) 5.0 gph/ft <sup>2</sup> WTP= 140 Pa (2.9 psf)	No Leakage	No Leakage
5.3.4.2	** Uniform Load Deflection - ASTM E 330 720 Pa (15.0 psf) Exterior 720 Pa (15.0 psf) Interior	2.06 mm (0.081") 6.05 mm (0.238")	---- ----
5.3.4.3	** Uniform Load Structural - ASTM E 330 1080 Pa (22.5 psf) Exterior 1080 Pa (22.5 psf) Interior	0.18 mm (0.007") 0.20 mm (0.008")	4.65 mm (0.183") 4.65 mm (0.183")
5.3.5	Forced Entry Resistance Test - ASTM F 588 Grade 10	Meets As Stated	
5.3.6.2	Thermoplastic Corner Weld Test - ASTM D 618	Meets As Stated	
5.3.6.6.7	Awning/Hopper/Projected Hardware Load Test 15 N (70 lbf)      3.18 mm (0.125") deflection	Meets As Stated	

**OPTIONAL PERFORMANCE**

5.3.3	Water Penetration - ASTM E 547 3.4 L/(min • m <sup>2</sup> ) 5.0 gph/ft <sup>2</sup> WTP= 510 Pa (10.5 psf)	No Leakage	No Leakage
5.3.4.2	** Uniform Load Deflection - ASTM E 330 2880 Pa (60.0 psf) Exterior 2880 Pa (60.0 psf) Interior	5.46 mm (0.215") 26.44 mm (1.041")	---- ----
5.3.4.3	** Uniform Load Structural - ASTM E 330 4320 Pa (90.0 psf) Exterior 4320 Pa (90.0 psf) Interior	0.03 mm (0.001") 0.76 mm (0.039")	4.65 mm (0.183") 4.65 mm (0.183")
	** No glass breakage or permanent damage causing the unit to be inoperable		

TEST COMPLETED 10/30/09