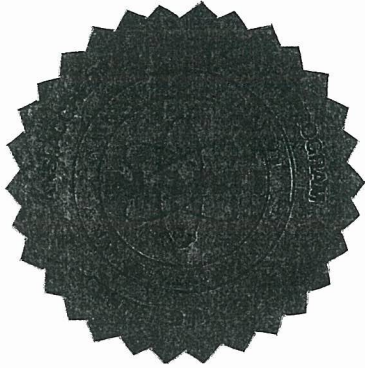


NOTICE OF PRODUCT CERTIFICATION



CERTIFICATION NO: NI010060
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. Please review, and advise NAMI immediately if data, as shown, requires corrections.

COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
Superseal Manufacturing Company 125 Helen Street South Plainfield, NJ 07080	Series "1850" Vinyl Fixed Prime Window Configuration: O Glazing: IG-1/8" Annealed Glass Frame: W-1219mm(48") H-1219mm(48") DLO: W-1105mm(43.5") H-1105mm(43.5") STP: Pos+3960Pa(82.5psf) Neg-3960Pa(82.5psf)
SPECIFICATION	PRODUCT RATING
AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM F588-07	FW-R55 1219 x 1219 (48 x 48) FER-Passed

Product Tested By: National Certified Testing Laboratories, Inc.
Report No: NCTL-110-12489-2 (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 "1850"

Fixed Lite
Vinyl Prime Window

NCTL-110-12489-2



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-110-12489-2S
Expiration Date: 10/31/13*

Test Specimen

Manufacturer: Superseal Manufacturing Co.
Product Type: Fixed Lite Vinyl Prime Window
Series/Model: Series "1850"
Primary Product Designation: FW-R55 1219.2 x 1219.2 (48x48)
Optional Product Designation: Not Applicable
Test Completion Date: 10/29/09

Reference should be made to Structural Performance Test Report Number NCTL-110-12489-2 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-110-12489-2
Test Date: 10/29/09
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 "1850" Fixed Lite Vinyl Prime Window (FW-R55 1219.2 x 1219.2 (48x48)).

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 specimen was a fixed lite vinyl prime window measuring 1219.2 mm (48") wide by 1219.2 mm (48") high overall. The fixed lite was glazed to the frame members, providing a viewing area of 1104.9 mm (43-1/2") wide by 1104.9 mm (43-1/2") high. The frame was of welded mitered corner construction.

Glazing: The fixed lite was interior glazed using sealed insulating glass with an adhesive and foam tape back-bedding and an interior snap-in 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: No weatherseals employed.

Weeps: One (1) weep hole measuring 12.7 mm (1/2") x 6.35 mm (1/4") was located at each end of the sill.

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

Sealant: The exterior glazing perimeter was sealed with a silicone sealant.

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 & Method</u>	<u>Measured</u>	<u>Allowed</u>
5.3.2	Air Infiltration - ASTM E 283 75 Pa - (1.6 psf) (25 mph)	0.5 L/ (sec • m ²) (0.1 cfm/ft ²) (0.02 cfm/ft ²) measured	1.5 L/ (sec • m ²) (0.3 cfm/ft ²)
5.3.3	Water Penetration - ASTM E 547 3.4 L/ (min • m ²) 5.0 gph/ft ² 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	0.41 mm (0.016") 0.36 mm (0.014")	---- ----
5.3.4.3	** Uniform Load Structural - ASTM E 330 1080 Pa (22.5 psf) Exterior 1080 Pa (22.5 psf) Interior	0.03 mm (0.001") 0.05 mm (0.002")	4.47 mm (0.176") 4.47 mm (0.176")
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	

OPTIONAL PERFORMANCE

4.4.2.6	Water Penetration - ASTM E 547 3.4 L/(min • m ²) 5.0 gph/ft ² WTP= 580 Pa (12.0 psf)	No Leakage	No Leakage
4.4.2.6	** Uniform Load Deflection - ASTM E 330 2640 Pa (55.0 psf) Exterior 2640 Pa (55.0 psf) Interior	0.64 mm (0.025") 2.64 mm (0.104")	---- ----
4.4.2.6.2	** Uniform Load Structural - ASTM E 330 3960 Pa (82.5 psf) Exterior 3960 Pa (82.5 psf) Interior	0.10 mm (0.004") 0.05 mm (0.002")	4.47 mm (0.176") 4.47 mm (0.176")

** No glass breakage or permanent damage causing the unit to be inoperable

TEST COMPLETED 10/29/09

The tested specimen meets (or exceeds) the performance level specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 for air leakage resistance. 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 FW-R55 1219.2 x 1219.2 (48x48) product designation.