

NATIONAL CERTIFIED TESTING LABORATORIES

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STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-210-2696-2
Test Date: 8/27/01
Report Date: 9/13/01

Client: Custom Windows
91 N.E. 16th Street
Ocala, FL 32670

Test Specimen: Custom Window's Series "7000 SPS" Type OX Horizontal Sliding Aluminum Prime Window (HS-C40)(Downsized)(Reference Report NCTL 210-2696-1 for Air and Water Results).

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 type OX horizontal sliding aluminum prime window measuring 75-1/2" wide by 75-1/2" high overall. The active panel measured 36-3/4" wide by 71-3/4" high. The fixed lite was glazed to the frame members, providing a viewing area of 35" wide by 71" high. Frame and panel members were not thermally broken. One (1) metal cam-type sweep lock was located at 7" from each end of the interior active meeting stile. The metal keeper was extruded onto the fixed meeting stile at the lock positions. A plastic roller and plastic housing were located at each end of the active panel bottom rail. The frame was of triple screw butt-type corner construction with closed cell foam gaskets. The active panels were of double screw butt-type corner construction. The fixed meeting stiles were fastened to the head and sill with one (1) screw.

Glazing: The active panel and fixed lite were exterior glazed using 0.185" thick annealed glass with an adhesive back bedding and an exterior snap-in extruded aluminum glazing bead.

Weatherseals: One (1) strip of "Q-Lon" bulb vinyl weatherseal on the vertical leg of jamb stile. One (1) strip of weatherstrip 0.300" high was located on the interior and exterior perimeter of jamb stile. One (1) strip of weatherstrip 0.140" high was located on the interlock of the meeting stile. One (1) strip of weatherseal 0.180" high was located on the interior and exterior vertical leg of the top rail. One (1) 1/2" strip of polypile weatherstrip (0.230" high) was located at the interlock position of the head/fixed stile and sill/fixed stile location.

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Paul P. Park
3/24/02

Weeps: One (1) weep hole measuring 1-3/8" x 1/8" and employing a plastic weep cover was located at 3" from each end of the exterior sill face. One (1) weep hole measuring 1-1/2" x 1/4" was located at 1-1/2" from each end of the interior sill track. Two (2) weep holes measuring 1/2" x 1/8" was located at mid-span of the exterior sill track. One (1) weep hole measuring 1-1/2" x 1/8" was located at each end of the sill track.

Interior & Exterior Surface Finish: White painted aluminum.

Sealant: Frame corners were sealed with silicone sealant.

Screen: N/A

TEST RESULTS

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.4.2 **	Uniform Load Structural - ASTM E330		
	52.5 psf Exterior	0.045"	0.287"
	52.5 psf Interior	0.090"	0.287"

OPTIONAL PERFORMANCE

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.4.2 **	Uniform Load Structural - ASTM E330		
	60.0 psf Exterior	0.158"	0.287"
	60.0 psf Interior	0.165"	0.287"

* Downsized Reference Report NCTL 210-2696-1 for Air and Water Results).

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

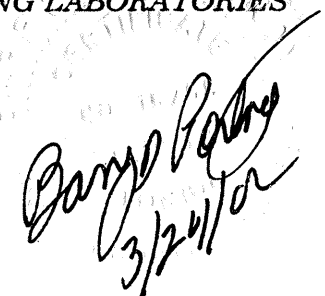
TEST COMPLETED 9/13/01

The tested 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 HS-C40 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.

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DAN CONYERS
Laboratory Manager



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3/24/02