



Architectural Testing

STRUCTURAL TEST REPORT

Rendered to:

CUPRUM, S.A. De C.V.
Planta San Pedro - Calle Zinc No. 97
Fomerrey 22 APDO 308 C.P. 66200
San Pedro Garza Garcia, N.L. Mexico

LEGENDS WINDOWS

Report No: 03-30875.01
Test Date: 08-10-00
thru: 11-08-00
Report Date: 11-13-00
Expiration Date: 11-08-04

Series/Model: "2000"

Type: Aluminum Picture Window

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Cuprum, S.A. De C.V. to perform tests on a Series 2000 Aluminum Picture Window. The sample tested successfully met all performance requirements for AAMA/NWWDA 101/I.S. 2-97. Class F-R40. Individual data and results are reported below.

Test Procedures: The specimen was tested in accordance with the following:

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

CAWM 301-90, "*Forced Entry Resistance for Windows*".

Test Specimen Description:

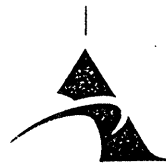
Overall Size: 5' 0" wide by 5' 0" high

Daylight Opening Size: 57-3/4" wide by 57-3/4" high

Finish: White painted aluminum

Glazing: Glazing consisting of a single sheet of 1/4" thick clear glass interior glazed onto a backed of silicone and held in place by an aluminum glazing stop which was screwed in place.

2524 East Jensen Avenue
Fresno, California 93706
phone: 559-233-8705
fax: 559-233-8360
www.testati.com



Weatherstripping: None used

Frame Construction: The frame was constructed of aluminum members which were coped, butted, sealed and fastened at the corners with two screws.

Drainage: No weeps

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
2.1.2 ASTM E283	Air Infiltration @ 1.56 psf (25 mph)	<0.01 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance as per ASTM E547 WTP = 2.86 psf @ 5.00 gph/ft ²	No Entry	No Entry
2.1.4.2 ASTM E330	Uniform Load Structural @ 22.5 psf (positive)	0.000"	0.231" max.
	@ 22.5 psf (negative)	0.000"	0.231" max.
2.1.8	Forced Entry Resistance per CAWM 301-90 Test A	No Entry	No Entry
	Test B	No Entry	No Entry

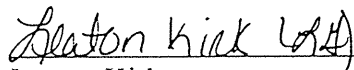
Optional Performance

4.3 ASTM E547	Water Resistance WTP = 6.75 psf @ 5.00 gph/ft ²	No leakage	No leakage
4.4.2 ASTM E330	Uniform Load Structural @ 60.0 psf (positive)	0.005"	0.231"
	@ 60.0 psf, (negative)	0.000"	0.231"

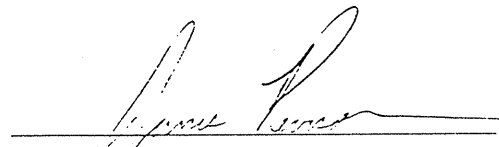


Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product which may only be granted by the certification program Administrator.

For ARCHITECTURAL TESTING, INC.



Leaton Kirk
Regional Manager



James Pearson
Technician

LK:lg

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