



**AAMA/ALI INSULATING GLASS
CERTIFICATION PROGRAM**

**All Weather Architectural Aluminum
777 Aldridge Rd.
Vacaville, CA 95688**

Attn: Anna Porter

NOTICE OF CERTIFICATION AUTHORIZATION

**Test Method: ASTM E 2188-10
Specification: ASTM E 2190-10**

The sealed insulating glass described below is hereby approved for listing in the current AAMA/ALI Certified Products Directory.

Plant Code	Sealant	Desiccant	Spacer	Corner	Low-E	Gas Fill
AWA-1	Modified Polyurethane	Mol. Sieve/ Sil. Gel	Anodized Aluminum	Nylon Key	Yes (E/D)	Air

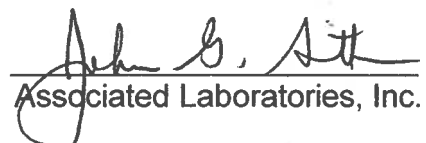
Test Laboratory: **Architectural Testing, Inc.**

Test Report No: **B3092.01-301-28**

Date Test Completed: **January 25, 2012**

Certification Expiration Date: **July 25, 2013**

Date: **February 6, 2012**


Associated Laboratories, Inc.



SEAL DURABILITY OF INSULATING GLASS TEST REPORT
ASTM E 2190-10

Standard Specification for the Classification of the Durability of Insulating Glass Units

Rendered to: ASSOCIATED LABORATORIES, INC.
 1323 Wall Street
 Dallas, Texas 75125

ATI #: B3092.01-301-28
Date Received: 09/07/11
Authorization Date: 09/12/11
Report Date: 02/03/12

Product / Reference No.: AWA - 1

Glass Type: Annealed

Overall Size: 14" x 20"

Glass Thickness: 3/16"

Overall Thickness: 3/4"

Air Space: 3/8"

Manufactured Date: 07/13/11

Samples Obtained from Manufacturer: All Weather Architectural Aluminum – Vacaville, California

Spacer: Anodized aluminum by Allmetal

Corners: Square cut corners with Nylon corner keys

Primary Sealant: HL-5153 B-125 modified polyurethane by HB Fuller Co.

Secondary Sealant: N/A

Desiccant: Phonsorb 803 LD molecular sieve by WR Grace; long sides filled

Other Features: Sputter coated, edge deleted; Bilco glass cleaner

Information obtained from: Associated Laboratories, Inc.

Unit	Primary Sealant Width Min.-Max. (mm)	ASTM E 2189-10	ASTM E2188-10 FROST POINT TEST RESULTS (°F) per ASTM E546-08 test method				
		(Volatile) Fog Testing (7 days)	Initial	High Humidity (14 days)	Accelerated Weathering (252 cycles)	High Humidity (28 days)	Visible Deposits (Y or N)
1	6-7 mm	-	< -57	< -60	< -51	< -52	N
2	5-6 mm	-	< -57	< -60	< -51	< -52	N
3	5-6 mm	-	< -57	< -60	< -51	< -52	N
4	6-7 mm	-	< -57	< -60	< -51	< -52	N
5	6-7 mm	-	< -57	< -60	< -51	< -52	N
6	5-6 mm	-	< -57	< -60	< -51	< -52	N
11	5-6 mm	No Fog	-	-	-	-	-
12	5-6 mm	No Fog	-	-	-	-	-
Requirement	N/A	No Fog	N/A	≤ -40	≤ -40	≤ -40	No Deposits
Pass/Fail	N/A	Pass	N/A	Pass	Pass	Pass	Pass
Date	09/12/11	09/21/11	09/13/12	09/30/12	12/09/11	01/25/12	01/25/12

Average Fog Test Temperature: 121°F

Maximum Temperature: 124°F

Minimum Temperature: 119°F

Remarks: Meets the requirements of ASTM E 2190-10 per E 2188-10, E 546-08 and E 2189-10 test methods.

For ARCHITECTURAL TESTING, INC:

Ricardo Cortes

Digitally Signed by: Ricardo Cortes

Ricardo Cortes
 Technician

KC. White

Digitally Signed by: Kenny C. White

Kenny C. White
 Laboratory Manager

RC: ms