

Miami-Dade County, Florida

Department of Regulatory and Economic Resources

Board and Code Administration Division

Product Control Section

11805 S.W. 26 Street-Room 208

Miami, Florida 33175-2474

T (786) 315-2590 Fax (786) 315-3599

Laboratory Certificate



This certifies that Architectural Testing, Inc., an Intertek company located at 2524 East Jensen Ave., Fresno, CA 93706 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS 301-94, and is Certified to perform the following tests:

- | | |
|-----------------------|--|
| TAS 201 | AAMA 501.3-05 |
| TAS202 | AAMA 701-92 |
| TAS203 | AAMA 800-92 |
| ASTM E546 | AAMA 902-92 |
| ASTM E773 | AAMA1402-86 |
| ASTM 783 | AAMA 1503.1-88 |
| ASTM E987 | ANSI Z97.1 (Impact only) |
| ASTM E1105 | American Association for Laboratory |
| AAMA 103.3-89 Sect. 5 | Accreditation (A2LA) Certificate No. 7250.02 |

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Regulatory and Economic Resources per TAS 301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Vinu Abraham, P.E.; Tyler Westerling, P.E.; Tanya A. Dolby, P.E.; Daniel Craig Culbert, P.E.; Austin Louis Wilcox, P.E.

This Certification and Registration Approved: June 11, 2026
This Certification and Registration Expires : September 6, 2031

Certification No. : 26-0519.01 Renews and Revises: 24-0501.06

Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
Product Control Section

Americo Segura, M.S., CGC
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS 301-94.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ARCHITECTURAL TESTING, INC. (AN INTERTEK COMPANY) -FRESNO

2524 East Jensen Avenue

Fresno, CA 93706

Tyler Westerling Phone: 559-233-8705

MECHANICAL

Valid To: October 31, 2026

Certificate Number: 7250.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform and/or witness the following tests on fenestration products:

ASTM: E329 (Standard specification for agencies engaged in construction inspection, testing, or special inspection (sections 8-12)):

E699 (Standard specification for agencies involved in testing, quality assurance and evaluating of manufactured building components (part A))

| <u>Test:</u> | <u>Test Description:</u> |
|-------------------------|--|
| NFRC 100 | Procedure for determining fenestration product U-factors |
| NFRC 102 | Procedure for measuring the steady-state thermal transmittance of fenestration systems |
| NFRC 200 | Procedure for determining fenestration product solar heat gain coefficient and visible transmittance at normal incidence |
| NFRC 201 | Procedure for interim standard rest method for measuring the solar heat gain coefficient of fenestration systems using calorimetry hot box methods |
| NFRC 202 | Procedure for determining translucent fenestration product visible transmittance at normal incidence |
| NFRC 203 | Procedure for determining visible transmittance of tubular daylighting devices |
| NFRC 500 | Procedure for determining fenestration product condensation resistance values |
| ASTM C1371 ¹ | Standard test method for determination of emittance of materials near room temperature using portable emissometers |
| ASTM C1549 ¹ | Standard test method for determination of solar reflectance near ambient temperature using a portable solar reflectometer |
| ASTM E1592 | Standard test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference |
| ASTM E1646 | Standard test method for water penetration of exterior metal roof panel systems by uniform static air pressure difference |

| <u>Test:</u> | <u>Test Description:</u> |
|---|---|
| ASTM E1680 | Standard test method for rate of air leakage through exterior metal roof panel systems |
| ASTM E1918 ¹ | Standard test method for measuring solar reflectance of horizontal and low-sloped surfaces in the field |
| ASTM E1980 ¹ | Standard test method for calculating solar reflectance index of horizontal and low-sloped opaque surfaces |
| CRRC Test Method # ¹ | Standard practice for measuring solar reflectance of a flat, opaque, and heterogeneous surface using a portable solar reflectometer |
| AAMA/WDMA/CSA 101/I.S.2/A440 101 ¹ | North American Fenestration Standard Specifications for windows, doors and skylights |
| AAMA 501.1 ¹ | Standard test method for water penetration of windows, curtain walls and doors using dynamic pressure |
| AAMA 501.2 ¹ | Quality assurance and diagnostic water leakage field check of installed storefronts, curtain walls and sloped glazing systems |
| AAMA 501.4 ¹ | Recommended static test method for evaluating curtain wall and storefront systems subjected to seismic and wind induced interstory drifts |
| AAMA 501.5 ¹ | Test method for thermal cycling of exterior walls |
| AAMA 501.6 ¹ | Recommended dynamic test method for determining the seismic drift causing glass fallout from a wall system |
| AAMA 501.7 ¹ | Recommended static test method for evaluating windows, window wall, curtain wall and storefront systems subjected to vertical inter-story movements |
| AAMA 501.9 ¹ | Surface Temperature Assessment for Condensation Evaluation of External Wall Systems |
| AAMA 502 ¹ | Voluntary specification for field testing of newly installed fenestration products |
| AAMA 503 ¹ | Voluntary specification for field testing of newly installed storefronts, curtain walls and sloped glazing systems |
| AAMA 506 ¹ | Voluntary specifications for impact and cycle testing of fenestration products |
| AAMA 508 ¹ | Voluntary test method and specification for pressure equalized rain screen wall cladding systems |
| AAMA 509 ¹ | Voluntary test and classification method for drained and back ventilated rain screen wall cladding systems |
| AAMA 910 ¹ | Voluntary "life cycle" specifications and test methods for AW class architectural windows and doors |
| AAMA 920 ¹ | Specification for operating cycle performance of active side-hinged exterior door slabs |
| AAMA 925 ¹ | Specification for determining the vertical loading resistance of side-hinged door leaves |
| AAMA 1304 ¹ | Voluntary specification for forced entry resistance of side-hinged door systems |
| ANSI Z97.1 ¹ | Standard for safety glazing materials used in buildings – safety performance specifications and methods of test |
| ANSI/DASMA 108 | Standard method for testing sectional garage doors and rolling door – determination of structural performance under uniform static air pressure difference. |

| <u>Test:</u> | <u>Test Description:</u> |
|------------------------------|---|
| ANSI/DASMA 115 | Standard method for testing sectional garage doors and rolling doors – determination of structural performance under missile impact and cyclic wind pressure |
| AS/NZS 4284 ¹ | Testing of building facades |
| ASTM E72 ¹ | Standard test methods of conducting strength tests of panels for building construction (sections 11, 14 and 15 only, except section 14.2.3) |
| ASTM E283/E283M ¹ | Standard test method for determining rate of air leakage through exterior windows, curtain walls, and doors under specified pressure differences across the specimen |
| ASTM E330/E330M ¹ | Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference |
| ASTM E331 ¹ | Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference |
| ASTM E546 ¹ | Standard test method for frost/dew point of sealed insulating glass units |
| ASTM E547 ¹ | Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by cyclic static air pressure difference |
| ASTM E773 | Standard test method for accelerated weathering of sealed insulating glass units |
| ASTM E774 | Standard specification for the classification of the durability of sealed insulating glass units |
| ASTM E783 ¹ | Standard test method for field measurement of air leakage through installed exterior windows and doors |
| ASTM E935 ¹ | Standard test methods for performance of permanent metal railing systems and rails for buildings |
| ASTM E985 ¹ | Standard specification for permanent metal railing systems and rails for buildings |
| ASTM E987 ¹ | Standard test methods for deglazing force of fenestration products |
| ASTM E1105 ¹ | Standard test method for field determination of water penetration of installed exterior windows, skylights, doors, and curtain walls, by uniform or cyclic static air pressure difference |
| ASTM E1886 ¹ | Standard test method for performance of exterior windows, curtain walls, doors, and impact protective systems impacted by missile(s) and exposed to cyclic pressure differentials |
| ASTM E1996 ¹ | Standard specification for performance of exterior windows, curtain walls, doors, and impact protective systems impacted by windborne debris in hurricanes |
| ASTM E2068 ¹ | Standard test method for determination of operating force of sliding windows and doors |
| ASTM E2126 | Standard test methods for cyclic (reversed) load test for shear resistance of vertical elements of the lateral force resisting systems for buildings |
| ASTM E2357 ¹ | Standard test method for determining air leakage of air barrier assemblies |
| ASTM E2649 ¹ | Standard test method for determining argon concentration in sealed insulating glass units using spark emission spectroscopy |
| ASTM F588 ¹ | Standard test methods for measuring the forced entry resistance of window assemblies, excluding glazing impact |
| ASTM F842 ¹ | Standard test methods for measuring the forced entry resistance of sliding door assemblies, excluding glazing impact |
| CAN/CGSB 12.1 ¹ | Tempered or laminated safety glass |

| <u>Test:</u> | <u>Test Description:</u> |
|-------------------------------|---|
| CAWM 300 ¹ | Forced entry resistance tests for sliding glass doors |
| CAWM 301 ¹ | Forced entry resistance tests for windows |
| CPSC 16 CFR 1201 ¹ | Commercial practices -safety standard for architectural glazing materials |
| DIN/EN 12600 ¹ | Glass in building - pendulum tests - impact test method and classification for flat glass |
| ICC ES AC15 | Concrete floor, roof and wall systems and concrete masonry wall systems (test methods referenced in sections 3.0 and 4.0) |
| ICC ES AC16 | Plastic glazed skylights (test methods referenced in sections A3.0 and A4.0 (except A4.2 and A4.3)) |
| ICC ES AC174 | Deck board span ratings and guardrail systems (guards and handrails) (test methods referenced in sections 3.0 (except sections 3.9 and 3.10) and 4.0) |
| ICC ES AC245 | Windows and doors subject to wind-borne debris (test methods referenced in section 3.0) |
| NFRC 400 | Procedure for determining fenestration product air leakage |
| TAS 201 | Impact test procedures |
| TAS 202 | Criteria for testing impact and non-impact resistant building envelope components using uniform static air pressure |
| TAS 203 | Criteria for testing products subject to cyclic wind pressure loading |
| AAMA 1503 | Voluntary test method for thermal transmittance and condensation resistance of windows, doors and glazed wall sections. |
| ASHRAE 74 | Method of measuring solar-optical properties of materials (procedures C, D and E only) |
| ASTM C236 | Standard test method for steady-state thermal performance of building assemblies by means of a guarded hot box |
| ASTM C1199 | Standard test method for measuring the steady-state thermal transmittance of fenestration systems using hot box methods |
| ASTM C1363 | Standard test method for thermal performance of building materials and envelope assemblies by means of a hot box apparatus |
| ASTM E424 | Standard test methods for solar energy transmittance and reflectance (terrestrial) of sheet materials |
| ASTM E972 | Standard test method for solar photometric transmittance of sheet materials using sunlight |
| ASTM E1175 | Standard test method for determining solar or photopic reflectance, transmittance, and absorptance of materials using a large diameter integrating sphere |
| ASTM E2188 | Standard test method for insulating glass unit performance |
| ASTM E2189 | Standard test method for testing resistance to fogging in insulating glass units |
| ASTM E2190 | Standard specification for insulating glass unit performance and evaluation |

¹ This laboratory performs field testing activities or off-site witnessing services for these tests.





Accredited Laboratory

A2LA has accredited

ARCHITECTURAL TESTING, INC. (AN INTERTEK COMPANY) -FRESNO

Fresno, CA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 16th day of December 2024.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7250.02
Valid to October 31, 2026

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.