Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISON
PRODUCT CONTROL SECTION
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

This certifies that Architectural Testing, Inc., an Intertek company located at 40 51st Way NE, Suite 100, Fridley, MN 55421 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:

TAS201	AAMA 501.3-83
TAS202	AAMA 701-92
TAS203	AAMA 702-92
ASTM E546	AAMA 800-92
ASTM E773	AAMA 902-92
ASTM E783	AAMA 1402-86
ASTM E987	AAMA 1503.1-88
ASTM E1105	ANSI Z97.1 (Impact only)
AAMA 103.3-89 Section 5	IAS Accreditation Report No.TL-285

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.; Michael Weigner, P.E.; Tanya A. Dolby, P.E.

This Certification and Registration Approved: **June 30, 2022**
This Certification and Registration Expires : **September 6, 2026**

Certification No. : **22-0428.07** *Revises: 20-0831.07*

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.

CERTIFICATE OF ACCREDITATION

This is to attest that

ARCHITECTURAL TESTING, INC. (AN INTERTEK COMPANY)

40 51ST WAY NORTHEAST, SUITE 100
FRIDLEY, MINNESOTA 55421, U.S.A.

Testing Laboratory TL-285

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date August 24, 2021

IAS ACCREDITED

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

ARCHITECTURAL TESTING, INC. (AN INTERTEK COMPANY)

www.intertek.com/building

Contact Name Dan Johnson **Contact Phone** +1-651-636-3835

Accredited to ISO/IEC 17025:2017 *Effective Date August 24, 2021*

Conformity Specifications	
ASTM E329	Standard specification for agencies engaged in construction inspection, testing, or special inspection (sections 8-12)
ASTM E699	Standard specification for agencies involved in testing, quality assurance and evaluating of manufactured building components (part A)
Acoustical	
ASTM E336	Standard test method for measurement of airborne sound attenuation between rooms in buildings
ASTM E413	Classification for rating sound insulation
ASTM E966	Standard guide for field measurements of airborne sound insulation of building facades and facade elements
ASTM E989	Standard classification for determination of impact insulation class (IIC)
ASTM E1007	Standard test method for field measurement of tapping machine impact sound transmission through floor-ceiling assemblies and associated support structures
ASTM E1332	Standard classification for rating outdoor-indoor sound attenuation
ASTM E2235	Standard test method for determination of decay rates for use in sound insulation test methods
Energy Star	
ENERGY STAR® Program requirements for residential storm windows	
ENERGY STAR® Program requirements for residential windows, doors, and skylights	
NFRC 100	NFRC procedures for U-factor
NFRC 102	Procedure for measuring the steady-state thermal transmittance of fenestration systems
NFRC 200	Solar heat gain coefficient
NFRC 400	Procedure for determining fenestration product air leakage
NFRC 500	Procedure for determining fenestration product condensation resistance values
Skylight U-factor criteria using U-factor ratings certified under the NFRC computer simulation procedure (for tubular day lighting devices only)	
Air/Water/Structural	

AAMA 450	Voluntary performance rating method for mulled fenestration assemblies
AAMA 501.1	Standard test method for water penetration of windows, curtain walls and doors using dynamic pressure
AAMA 501.2	Quality assurance and diagnostic water leakage field check of installed storefronts, curtain walls and sloped glazing systems
AAMA 508	Voluntary test method and specification for pressure equalized rain screen wall cladding systems
AAMA 509	Voluntary test and classification method for drained and back ventilated rain screen wall cladding systems
AAMA 1304	Voluntary specification for forced entry resistance of side- hinged door systems
AAMA/WDMA/CSA 101/I.S.2/A440	North American fenestration standard / specification for windows, doors, and skylights
ANSI/DASMA 108	Standard method for testing sectional garage doors and rolling doors: determination of structural performance under uniform static air pressure difference
ANSI/DASMA 115	Missile impact and cycle loading
AS 2047	Windows and External glazed doors in buildings
AS/NZ 4420	Windows, external glazed, timber, and composite doors -- Methods of test Part 1: Test sequence, sampling, and test methods
ASTM E283	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	Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference
ASTM E331	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by uniform static air pressure difference
ASTM E547	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by cyclic static air pressure difference
ASTM E783	Standard test method for field measurement of air leakage through installed exterior windows and doors
ASTM E987	Standard test methods for deglazing force of fenestration products
ASTM E1105	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	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	Standard specification for performance of exterior windows, curtain walls, doors, and impact protective systems impacted by windborne debris in hurricanes

ASTM E2068	Standard test method for determination of operating force of sliding windows and doors
ASTM E2357	Standard test method for determining air leakage of air barrier assemblies
ASTM F588	Standard test methods for measuring the forced entry resistance of window assemblies, excluding glazing impact
ASTM F842	Standard test methods for measuring the forced entry resistance of sliding door assemblies, excluding glazing impact
CSA A440 S1	Canadian supplement to AAMA/WDMA/CSA 101/I.S.2/A440, NAFS – North American fenestration standard/specification for windows, doors, and skylights
NFRC 400	Procedure for determining fenestration product air leakage
NZ 4211	Specification for performance of Windows
TAS 201	Impact test procedures
TAS 202	Criteria for testing impact and on-impact resistant building envelope components using uniform static air pressure
TAS 203	Criteria for testing products subject to cyclic wind pressure loading
Insulated/Safety/Glass	
1997 UBC 24-2	Safety glazing
ANSI Z97.1	Safety glazing materials used in buildings - safety performance specifications and methods of test
ASTM E546	Standard test method for frost/dew point of sealed insulating glass units
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 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
ASTM E2649	Standard test method for determining argon concentration in sealed insulating glass units using spark emission spectroscopy
BS 6206	Specification for impact performance requirements for flat safety glass and safety plastics for use in buildings
CAN/CGSB-12.1	Tempered or laminated safety glass
CPSC 16 CFR 1201	Safety standard for architectural glazing materials
DIN EN 12600	Glass in building - pendulum tests - impact test method and classification for flat glass
Thermal	
AAMA 507	Standard practice for determining the thermal performance characteristics of fenestration systems installed in commercial buildings

AAMA 1503	Voluntary test method for thermal transmittance and condensation resistance of windows, doors and glazed wall sections
ASTM C236	Standard test method for thermal performance of building materials and envelope assemblies by means of a hot box apparatus
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

AAMA: American Architectural Manufacturers Association

CFR: Code of Federal Regulations

CGSB: Canadian General Standards Board

CPSC: Consumer Product Safety Commission

DASMA: Doors & Access Systems Manufacturers Association

NFRC: National Fenestration Rating Council

TAS: Testing Application Standard

UBC: Uniform Building Code