Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONOMIC 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 Intertek Testing Services, NA, Inc. located at 8431 Murphy Drive, Middleton, WI 53562 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	TAS114 Appendix E (Salt spray only)
TAS202	TAS114 Appendix F
TAS203	TAS114 Appendix H
TAS111(A)	ACCREDITATION (A2LA) CERTIFICATES
TAS111(B)	No. 7250.10 & 7250.11
TAS111(C)	U.S. Department of Labor (OSHA)
TAS114 Appendix A	Federal Register 29 CFR 1910.7
TAS114 Appendix C	
TAS114 Appendix D	

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.; Austin Louis, Wilcox, P.E.

This Certification and Registration Approved: **August 20, 2026**
This Certification and Registration Expires : **July 3, 2031**

Certification No. : **26-0727.04** *Revises: 26-0512.02*

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 TAS301-94.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INTERTEK TESTING SERVICES NA, INC.
8431 Murphy Drive
Middleton, WI 53562
Nicole Gardner nicole.gardner@intertek.com
Cassi Matthews cassandra.matthews@intertek.com

MECHANICAL

Valid To: November 30, 2026 Certificate Number: 7250.10

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 as identified below on various materials:

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));
WDMA I.S. 2: AAMA/WDMA/CSA 101/I.S.2/A440 (North American fenestration standard for windows, doors, and skylights)

Test:	**Test Description:**
Environmental	
ANSI/BHMA A156.18	Materials and finishes
ASTM B117	Standard practice for operating salt spray (fog) apparatus
ASTM C692	Standard test method for evaluating the influence of thermal insulations on external stress corrosion cracking tendency of austenitic stainless steel
ASTM D2126	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
ASTM D7897	Standard practice for laboratory soiling and weathering of roofing materials to simulate effects of natural exposure on solar reflectance and thermal emittance
ASTM E871	Standard test method for moisture analysis of particulate wood fuels
ASTM G1	Standard practice for preparing, cleaning, and evaluating corrosion test specimens
ASTM G147	Standard practice for conditioning and handling of nonmetallic materials for natural and artificial weathering tests
ASTM G151	Standard practice for exposing nonmetallic materials in accelerated test devices that use laboratory light sources (except section 5.1)
ASTM G154	Standard practice for operating fluorescent ultraviolet (UV) lamp apparatus for exposure of nonmetallic materials
DIN 50018	Testing in a saturated atmosphere in the presence of sulfur dioxide

Test:	Test Description:
Fire	
ABD 0031	Fire test to aircraft material
ASTM C1166	Standard Test Method for Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories
ASTM D635	Standard test method for rate of burning and/or extent and time of burning of plastics in a horizontal position
ASTM D1929	Standard test method for determining ignition temperature of plastics
ASTM D2843	Standard test method for density of smoke from the burning or decomposition of plastics
ASTM D2863	Standard test method for measuring the minimum oxygen concentration to support candle-like combustion of plastics (oxygen index)
ASTM E108	Standard test methods for fire tests of roof coverings
ASTM E119	Standard test methods for fire tests of building construction and materials
ASTM E136	Standard test method for behavior of materials in a vertical tube furnace at 750°C
ASTM E162	Standard test method for surface flammability of materials using a radiant heat energy source
ASTM E662	Standard test method for specific optical density of smoke generated by solid materials
ASTM E800	Standard guide for measurement of gases present or generated during fires
ASTM E814	Standard test method for fire tests of penetration firestop systems
ASTM E1354	Standard test method for heat and visible smoke release rates for materials and products using an oxygen consumption calorimeter
ASTM E2965	Standard Method for Determination of Low Levels of Heat Release Rate for Materials and Products Using an Oxygen Consumption Calorimeter
Bombardier SMP 800-C	Toxic gas sampling and analytical procedures
BS 476-20	Fire resistance test to building material
BS 476-22	Fire tests on building materials and structures - method for determination of the fire resistance of non-loadbearing elements of construction
BS EN 1634-1	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - fire resistance test for door and shutter assemblies and openable windows
BS EN ISO 4589-2	Plastics - determination of burning behaviour by oxygen index - guidance
BS EN ISO 4589-3	Plastics - determination of burning behaviour by oxygen index - elevated temperature test
BSS 7230	Flammability testing of aircraft materials
BSS 7238	Fire test to aircraft material – toxicity
BSS 7239	Toxic gas generation
CA TB 117	Requirements, test procedure and apparatus for testing the flame retardance of resilient filling materials used in upholstered furniture
CA Title 19	Flame retardant regulations
FMVSS 302	Flammability of interior materials
IMO RESOLUTION MSC.307(88)	Annex, Part 1 - Non-combustibility test; Annex, Part 2 - Smoke generation and toxic gas generation tests
ISO 1182	Reaction to fire tests for products -- non-combustibility test

Test:	**Test Description:**
ISO 5659	Plastics -- smoke generation -- part 2: Determination of optical density by a single-chamber test
ISO 19702	Guidance for sampling and analysis of toxic gases and vapors in fire effluents using Fourier transform infrared (FTIR) spectroscopy
MIL-PRF-85045G	Performance specification: cables, fiber optic, general specification (sections 4.8.3 and 4.8.6)
MIL-STD-24640C	Detail specification: cables, light-weight, electric, for shipboard use, general specification (sections 4.7.17 and 4.7.19 only)
MIL-STD-24643C	Detail specification: cables, electric, low smoke halogen-free, for shipboard use general specification (sections 4.8.25 and 4.8.27 only)
NES 711	Determination of the smoke index of the products of combustion from small specimens of materials
NES 713	Determination of the toxicity index of the products of combustion from small specimens of materials
NFPA 251	Standard methods of tests of fire resistance of building construction and materials
NFPA 252	Standard methods of fire tests of door assemblies
NFPA 257	Standard on fire test for window and glass block assemblies
NFPA 259	Standard test method for potential heat of building materials
NFPA 261	Standard method of test for determining resistance of mock-up upholstered furniture material assemblies to ignition by smoldering cigarettes
NFPA 701	Standard methods of fire tests for flame propagation of textiles and films
UL 9	Standard for fire tests of window assemblies
UL 10A	Standard for tin-clad fire doors
UL 10B	Standard for fire tests of door assemblies
UL 10C	Standard for positive pressure fire tests of door assemblies
UL 10D	Standard for fire tests of fire protective curtain assemblies
UL 94	Standard for tests for flammability of plastic materials for parts in devices and appliances
UL 790	Standard for standard test methods for fire tests of roof coverings
UL 1703	Standard for flat-plate photovoltaic modules and panels (sections 31.1 and 31.2 only)
ULC S109	Flame tests of flame-resistant fabrics and films
ULC S135	Standard method of test for determination of degrees of combustibility of building materials using an oxygen consumption calorimeter (cone calorimeter)
ULC 5660-1	Reaction to fire tests heat release smoke production and mass loss rate - Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement)
Heating / Cooling	
ANSI Z21.1	Household cooking gas appliances
ANSI Z21.11.2	Gas-fired room heaters - volume II, unvented room heaters
ANSI Z21.50	Vented decorative gas appliances
ANSI Z21.58	Outdoor cooking gas appliances
ANSI Z21.60	Decorative gas appliances for installation in solid-fuel burning fireplaces
ANSI Z21.88	ANSI Z21.88 Vented gas fireplace heaters

Test:	**Test Description:**
ANSI Z83.11	Gas food service equipment
ANSI/UL 103	Standard for factory-built chimneys for residential type and building heating appliances
ANSI/UL 127	Standard for factory-built fireplaces
ANSI/UL 737	Standard for fireplace stoves
ANSI/UL 1482	Standard for solid-fuel type room heaters
AS 1530.1	Methods for fire tests on building materials, components and structures Combustibility test for materials
ASTM E1509	Standard specification for room heaters, pellet fuel-burning type
UL 391	Standard for solid-fuel and combination-fuel central and supplementary furnaces
Physical	
ANSI A250.4	Test procedure and acceptance criteria for – physical endurance for steel doors, frames and frame anchors
ANSI/BHMA 156.1	Butts and hinges
ANSI/BHMA 156.10	Power operated pedestrian doors
ANSI/BHMA 156.11	Cabinet locks
ANSI/BHMA 156.12	Interconnected locks & latches
ANSI/BHMA 156.13	Mortise locks
ANSI/BHMA 156.15	Release devices
ANSI/BHMA 156.17	Self-closing hinges
ANSI/BHMA 156.2	Bored & preassembled locks and latches
ANSI/BHMA 156.20	Strap and tee hinges and hasps
ANSI/BHMA 156.21	Thresholds
ANSI/BHMA 156.23	Electromagnetic locks
ANSI/BHMA 156.24	Delayed egress locks
ANSI/BHMA 156.3	Exit devices
ANSI/BHMA 156.4	Door controls-closers
ANSI/BHMA 156.5	Cylinders and input devices for locks
ANSI/BHMA 156.9	Cabinet hardware
ANSI/BHMA A156.36	Auxiliary locks
ANSI/BHMA A156.39	Residential locksets and latches
ANSI/BHMA A156.40	Residential deadbolts
ASTM C271 / C271M	Standard test method for density of sandwich core materials
ASTM C297 / C297M	Standard test method for flatwise tensile strength of sandwich constructions
ASTM C1371	Standard test method for determination of emittance of materials near room temperature using portable emissometers
ASTM C1549	Standard test method for determination of solar reflectance near ambient temperature using a portable solar reflectometer
ASTM C1629/C1629M	Standard classification for abuse-resistant nondecorated interior gypsum panel products and fiber-reinforced cement panels
ASTM D638	Standard test method for tensile properties of plastics
ASTM D790	Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials
ASTM D906	Standard test method for strength properties of adhesives in plywood type construction in shear by tension loading

Test:	Test Description:
ASTM D1037	Standard test methods for evaluating properties of wood-base fiber and particle panel materials (excluding sections 7, 17, 18, 22 and 28)
ASTM D1621	Standard Test Method for Compressive Properties of Rigid Cellular Plastics
ASTM D1623	Standard test method for tensile and tensile adhesion properties of rigid cellular plastics
ASTM D1875	Standard test method for density of adhesives in fluid form
ASTM D2247	Standard practice for testing water resistance of coatings in 100 % relative humidity
ASTM D2842	Standard test method for water absorption of rigid cellular plastics
ASTM D3746/D3746M	Standard test method for impact resistance of bituminous roofing systems
ASTM D5402	Standard practice for assessing the solvent resistance of organic coatings using solvent rubs
ASTM D5751	Standard specification for adhesives used for laminate joints in nonstructural lumber products
ASTM D6226	Standard test method for open cell content of rigid cellular plastics
ASTM D7073	Standard guide for application and evaluation of brush and roller applied paint films
ASTM D7091	Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
ASTM D1622	Standard test method for apparent density of rigid cellular plastics (foams)
ASTM E96/E96M	Standard test methods for water vapor transmission of materials
ASTM E72	Standard test methods of conducting strength tests of panels for building construction, cl 14 only
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 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 E2068	Standard test method for determination of operating force of sliding windows and doors
ASTM E2178	Standard test method for air permeance of building materials
ASTM E2273	Standard test method for determining the drainage efficiency of exterior insulation and finish systems (EIFS) clad wall assemblies
ASTM E2357	Standard test method for determining air leakage of air barrier assemblies
ASTM F476	Standard test methods for security of swinging door 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
ASTM G154	ASTM G154 Standard practice for operating fluorescent ultraviolet (UV) lamp apparatus for exposure of nonmetallic materials
ASTM G155	ASTM G155 Standard practice for operating xenon arc light apparatus for exposure of non-metallic materials

Test:	**Test Description:**
ICC ES AC212	Water-resistive coatings used as water-resistive barriers over exterior sheathing (test methods referenced in sections 3.0 and 4.0 only)
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
UL 437	Standard for safety of key locks
UL 1784	Standard for air leakage tests of door assemblies and other opening protectives
EN 1634-3	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 3: Smoke control test for door and shutter assemblies
WDMA T.M. 6	Adhesive durability
WDMA T.M. 7	Cycle slam test
WDMA T.M. 8	Hinge loading test
WDMA T.M. 10	Screw holding capacity
Structural	
AAMA 1304	Voluntary specification for determining forced entry resistance of side-hinged door systems
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	Standard method for testing sectional garage doors and rolling doors: determination of structural performance under missile impact and cyclic wind pressure
ASTM D1761	Standard test methods for mechanical fasteners in wood
ASTM D5764	Standard test method for evaluating dowel-bearing strength of wood and wood-based products
ASTM E330	Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference
ASTM E1233/E1233M	Standard test method for structural performance of exterior windows, doors, skylights, and curtain walls by cyclic air pressure differential
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
TAS 201	Impact test procedures
UL 2218	Standard for impact resistance of prepared roof covering materials
Chemical	
ASTM C871	Standard test methods for chemical analysis of thermal insulation materials for leachable chloride, fluoride, silicate, and sodium ions
ASTM D2369	Standard test method for volatile content of coatings
ASTM D4017	Standard test method for water in paints and paint materials by Karl Fischer method

Test:	**Test Description:**
ASTM E1252	Standard practice for general techniques for obtaining infrared spectra for qualitative analysis (sections 6.2, 6.3, 6.5.3, 7.7, 9.1, 9.2 and 9.3 only)
EPA Method 24	Determination of volatile matter content, water content, density, volume solids, and weight solids of surface coatings
ISO/EN 6988	Metallic and other non-organic coatings -- sulfur dioxide test with general condensation of moisture

Accredited Laboratory

A2LA has accredited

INTERTEK TESTING SERVICES NA, INC.

Middleton, WI

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 8th day of December 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7250.10
Valid to November 30, 2026
Revised June 8, 2026

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INTERTEK TESTING SERVICES NA, INC.
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THERMAL

Valid To: November 30, 2026 Certificate Number: 7250.11

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 as identified below on various materials:

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));
WDMA I.S. 2: AAMA/WDMA/CSA 101/I.S.2/A440 (North American fenestration standard for windows, doors, and skylights)

Test:	**Test Description:**
ASTM C1303/C1303M	Standard Test Method for Predicting Long-Term Thermal Resistance of Closed-Cell Foam Insulation
ASTM C1512	Standard test method for characterizing the effect of exposure to environmental cycling on thermal performance of insulation products
ASTM C209	Standard test methods for cellulosic fiber insulating board
ASTM C518	Standard test method for steady-state thermal transmission properties by means of the heat flow meter apparatus
CAN/ULC 701.1	Standard for Thermal Insulation, Polystyrene Boards
CAN/ULC 702.1	Standard For Mineral Fibre Thermal Insulation for Buildings, Part 1: Material Specification Except: 8.8 Surface burning characteristics 8.13 Fungi resistance
CAN/ULC 704.1	Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced
CAN/ULC 705.1 (including Rev 1)	Standard For Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material Specification Except: Cl. 5.5.5 Fungi Resistance Cl. 5.5.7 Material Differentiation Cl. 5.5.8 Surface burning characteristics Cl. 5.5.11 Time to Occupancy

Test:	**Test Description:**
CAN/ULC 712.1	Standard for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Material Specification Except: Cl. 10.4 Fungi Resistance Cl. 10.6 Surface burning characteristics Cl. 10.8 Time to Occupancy
CAN/ULC 715.1	Standard For Thermal Insulation – Closed Cell Spray Applied Rigid Polyurethane Foam, High Density – Material Specification Except: Cl. 11.5 Fungi resistance Cl. 11.8 Surface burning characteristics Cl. 11.10 Time to occupancy
CAN/ULC 743.1	Standard for Thermal Insulation – Low Pressure Applied Two Component Spray Polyurethane Foam, Part 1: Material Specification Except: Cl. 11.5 Fungi resistance Cl. 11.8 Surface burning characteristics Cl. 11.10 Time to occupancy
CAN/ULC S770	Standard Test Method for Determination of Longterm Thermal Resistance Of Closed-Cell Thermal Insulating Foams

Accredited Laboratory

A2LA has accredited

INTERTEK TESTING SERVICES NA, INC.

Middleton, WI

for technical competence in the field of

Thermal Testing

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Presented this 8th day of December 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7250.11
Valid to November 30, 2026

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