

**SCOPE  
OF  
ACCREDITATION**



**BUILT ENVIRONMENTS**



## THE IMPORTANCE OF ACCREDITATION

As an A2LA Accredited ISO/IEC 17025 Mechanical Testing Laboratory, our competence, equipment, and procedures have been examined in order to ensure the consistency and reliability of our test results. With this accreditation, our lab has the ability to test products and assemblies for clients in pursuit of product certification, putting you one step closer to getting your product to market.

## OUR PROCESS

### Introductory Call

We will first connect with you and your team to ensure that we are equipped to handle your specific needs.

Should you choose to move forward, we will send over a proposal with the suggested scope of work and a quote for services.

### Proposal

### Project Creation & Test Plans

Once the proposal is signed, we will assign a member of our team to your project. They will coordinate with our engineers and scientists to develop a test plan suited to your specific certification needs.

Following the approval of the test plan, our lab will conduct the necessary tests and draft an Evaluation Report (ER) to submit to your chosen accredited body.

### Testing & Evaluation



We're in the business of solving problems, and every project comes with its own unique set of challenges. The above process may not be what suits your needs the best, and we are more than ready to flex with you should the time come. We can do it, or we can help you through it!

# ACCREDITED TEST METHODS

## ASTM Standards



The following standards can be performed in our lab in Wilmington, NC in pursuit of certification.

ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM C1185	Sampling and Testing Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards
ASTM D1037	Evaluating Properties of Wood-Base Fiber and Particle Panel Materials
ASTM D1621	Compressive Properties of Rigid Cellular Plastics
ASTM D1622	Apparent Density of Rigid Cellular Plastics
ASTM D1761	Mechanical Fasteners in Wood and Wood-Based Materials: Sections 22.-30. Bolted or Timber Connector Joint Test
ASTM D1781	Climbing Drum Peel for Adhesives
ASTM D5485	Determining Corrosive Effect of Combustion Products Using the Cone Calorimeter
ASTM D6113	Using Cone Calorimeter to Determine Fire-Test-Response Characteristics of Insulating Materials Contained in Electrical or Optical Fiber Cables
ASTM E72	Conducting Strength Tests of Panels for Building Construction
ASTM E283/E283M	Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
ASTM E330/E330M	Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E331	Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E547	Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
ASTM E1233	Structural Performance of Exterior Windows, Doors, Skylights, and Curtain Walls by Cyclic Air Pressure Differential
ASTM E1354	Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
ASTM E1474	Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter
ASTM E1740	Determining the Heat Release Rate and Other Fire-Test-Response Characteristics of Wall Covering or Ceiling Covering Composites Using a Cone Calorimeter

ASTM E1886	Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
ASTM E2273	Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
ASTM E2357	Determining Air Leakage Rate of Air Barrier Assemblies
ASTM F1550	Determination of Fire-Test-Response Characteristics of Components or Composites of Mattresses or Furniture for Use in Correctional Facilities after Exposure to Vandalism, by Employing a Bench Scale Oxygen Consumption Calorimeter

## Other Standards

TAS 201	201-94 Impact Test Procedures
TAS 202	202-94 Criteria for Testing Impact & Nonimpact Resistant Building Envelope Components Using Uniform Static Air Pressure
TAS 203	202-94 Criteria for Testing Products Subject to Cyclic Wind Pressure Loading
ISO 5660-1	Heat release, smoke production and mass loss rate
ISO 5660-4	Heat release, smoke production and mass loss rate Part 4: Measurement of low levels of heat release
CAN/ULC 135	Determination of Combustibility Parameters of Building Materials Using an Oxygen Consumption Calorimeter (Cone Calorimeter)

Don't see the standard you're looking for? Give us a call at (910) 900-7530 to speak with one of our scientists about how we can help.



Our 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 the previously defined scope and the operation of a laboratory quality management system. View our Certificate of Accreditation on [A2LA's Website](#) or download it [here](#).



# BUILT ENVIRONMENTS

Thinking Differently. Building Better.

Contact us today

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