



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

HOME INNOVATION RESEARCH LABS
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CONSTRUCTION MATERIALS

Valid To: July 31, 2025

Certificate Number: 6754.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on walls, floors, plumbing materials, partitions, columns, fire protection doors, seals, beams, duct walls, roofs, girders, access doors in floors and ceilings, fire resistance glazing and other building materials:

Test Technology:

Test Methods:

ANSI/ICPA SS-1

Performance Standard for Solid Surface Materials

ANSI/KCMA A161.1

Kitchen Cabinets

ASTM A90/A90M

Standard Test Method for Weight [mass] of Coating on Iron and Steel Articles with Zinc or Zinc-alloy Coatings

ASTM A370

Standard Test Methods and Definitions for Mechanical Testing of Steel Products (*excluding sections 15 to 26*)

ASTM A853

Standard Specification for Steel Wire, Carbon, for General Use

ASTM C39/C39M

Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

ASTM C78/C78M

Standard Test Method for flexural strength of concrete (using simple beam with third-point loading)

ASTM C140/C140M

Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units

ASTM C272/C272M

Standard Test Method for Water Absorption of Core Materials for Sandwich Constructions

Test Technology:

ASTM C473

ASTM C645

ASTM D143

ASTM D198

ASTM D570

ASTM D638

ASTM D790

ASTM D792

ASTM D1037

ASTM D1761

ASTM D2017

ASTM D2126

ASTM D2244

ASTM D2247

ASTM D2395

Test Methods:

Standard Test Methods for Physical Testing of Gypsum Panel Products

Standard Specification for Nonstructural Steel Framing Members

Standard Test Methods for Small Clear Specimens of Timber

Standard Test Methods of Static Tests of Lumber in Structural Sizes

Standard Test Method for Water Absorption of Plastics

Standard Test Method for Tensile Properties of Plastics

Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials

Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement

Standard Test Methods for Evaluating Properties of Wood-based Fiber and Particle Panel Materials; *(Excluding Sections 17 and 18)*

Standard Test Methods for Mechanical Fasteners in Wood and Wood-based Materials

Standard Test Method of Accelerated Laboratory Test of Natural Decay Resistance of Woods

Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging

Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates

Standard Practice for Testing Water Resistance of Coatings in 100 % Relative Humidity

Standard Test Methods for Density and Specific Gravity (Relative Density) of Wood and Wood-based Materials

Test Technology:

ASTM D2565

ASTM D2583

ASTM D2718

ASTM D2915

ASTM D3043

ASTM D3500

ASTM D3501

ASTM D4442

ASTM D4444

ASTM D4761

ASTM D4933

ASTM D5206

ASTM D5456

ASTM D6341

ASTM D6815

Test Methods:

Standard Practice for Xenon-arc Exposure of Plastics intended for Outdoor Applications

Standard Test Method for Indentation Hardness of Rigid Plastics by means of a Barcol Impressor

Standard Test Methods for Structural Panels in Planar Shear (Rolling Shear)

Standard Practice for Sampling and Data-Analysis for Structural Wood and Wood-based Products

Standard Test Methods for Structural Panels in Flexure

Standard Test Methods for Structural Panels in Tension

Standard Test Methods for Wood-based Structural Panels in Compression

Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-based Materials

Standard Test Method for Laboratory Standardization and Calibration of Hand-held Moisture Meters

Standard Test Methods for Mechanical Properties of Lumber and Wood-based Structural Material

Standard Guide for Moisture Conditioning of Wood and Wood-based Materials

Standard Test Method for Wind Load Resistance of Rigid Plastic Siding

Standard Specification for Evaluation of Structural Composite Lumber Products

Standard Test Method for Determination of the Linear Coefficient of Thermal Expansion of Plastic Lumber and Plastic Lumber Shapes (-30 to 140) °F (-34.4 to 60) °C

Standard Specification for Evaluation of Duration of Load and Creep Effects of Wood and Wood-based Products

Test Technology:

ASTM D7031 ADD

ASTM D7032

ASTM D7147

ASTM E8/E8M

ASTM E72

ASTM E96/E96M

ASTM E283

ASTM E330/E330M

ASTM E331

ASTM E547

ASTM E564

ASTM E1996

ASTM E2126

Test Methods:

Standard Guide for Evaluating Mechanical and Physical Properties of Wood-Plastic Composite Products

Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite and Plastic Lumber Deck Boards, Stair Treads, Guards, and Handrails

Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers

Standard Test Methods for Tension Testing of Metallic Materials

Standard Test Methods of Conducting Strength Tests of Panels for Building Construction

Standard Test Methods for Water Vapor Transmission of Materials

Standard Test Method for Determining Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors under Specified Pressure Differences Across the Specimen

Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference

Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference

Standard Practice for Static Load Test for Shear Resistance of Framed Walls for Buildings

Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes

Standard Test Methods for Cyclic (Reversed) Load Test for Shear Resistance of Vertical Elements of the Lateral Force Resisting Systems for Buildings

Test Technology:

Test Methods:

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 F1575	Standard Test Method for Determining Bending Yield Moment of Nails
ASTM G154	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials
ASTM G155	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-metallic Materials
CSA/CAN Standard 0325	Exterior Type Adhesive Construction Sheathing
ICC ES AC13	Joist Hangers and Similar Devices
ICC ES AC71	Foam Plastic Sheathing Panels used as Weather-resistant Barriers (<i>Section 3.0 only</i>)
ICC ES AC86	Cold-formed Steel Framing Members-interior Non-load-bearing Wall Assemblies (<i>Sections 3.0 and 4.0 only</i>)
ICC ES AC257	Acceptance Criteria for Corrosion-resistant Fasteners and Evaluation of Corrosion Effects of Wood Treatments
ICC ES AC130	Prefabricated Wood Shear Panels (<i>Section 5.0 only</i>)
ICC ES AC174	Deck Board Span Ratings and Guardrail Systems (Guards and Handrails) (<i>excluding Sections 3.9 and 3.10</i>)
ICC ES AC182	Wood Structural Panels (<i>Sections 3.0 and 4.0 only</i>)
ICC ES AC389	Composite Siding Containing Inorganic Microspheres and Proprietary Resins, used as an Exterior Wall Cladding (<i>Sections 3 and 4 only, excluding Sections 3.6, 3.8 and 4.4</i>)
NEMA LD 3	High-pressure Decorative Laminates (HPDL) (<i>Sections 3.2, 3.3, 3.5, 3.6, 3.8, 3.9 and 3.16 only</i>)
United States Department of Commerce Product Standard PS-1	Structural Plywood (<i>Excluding Clause 6.1.3.1 Heat Performance Test</i>)



Test Technology:

United States Department of Commerce Product Standard PS-2

Test Methods:

Performance Based Standard

Plumbing Materials

ANSI/ICC A117.1

Accessible and usable Buildings and Facilities
(Chapter 6 only)

ASME A112.19.7/CSA B45.10

Hydromassage Bathtub Systems

ASME A112.19.15

Bathtubs/Whirlpool Bathtubs with Pressure Sealed Doors

ASTM F446

Standard Consumer Safety Specification for Grab Bars and Accessories Installed in the Bathing Area

ASTM F462

Standard Consumer Safety Specification for Slip-resistant Bathing Facilities

CSA B45.5/IAPMO Z124

Plastic Plumbing Fixtures

IAPMO/ANSI Z124.8

Plastic Bathtub Liners

Insulation Materials

ASTM C167

Standard Test Methods for Thickness and Density of Blanket or Batt Thermal Insulations

ASTM C518

Standard Test Method for Steady-state Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus

ASTM C653

Standard Guide for Determination of the Thermal Resistance of Low-density Blanket-type Mineral Fiber Insulation

ASTM C665

Standard Specification for Mineral-fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing

ASTM C687

Standard Practice for Determination of Thermal Resistance of Loose-fill Building Insulation

ASTM C739

Standard Specification for Cellulosic Fiber Loose-fill Thermal Insulation (Sections 8 and 15 only)

ASTM C1104/C1104M

Standard Test for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation



Test Technology:

Insulation Materials (cont'd)

ASTM C1224

ASTM C1363

NAIMA 202-96

NIA

Fire Testing

ASTM E84

ASTM E119

ASTM E136

ASTM E814

ASTM E1725

ASTM E2226

ASTM E2307

ASTM E2768

CAN / ULC S101

CAN / ULC S102

Test Methods:

Standard Specification for Reflective Insulation for Building Applications

Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus

Standard for Flexible Fiber Glass Insulation to be Laminated for use in Metal Buildings (*Section 6.1 only*)

Certified Faced Insulation Standard

Standard Test Method for Surface Burning Characteristics of Building Material

Standard Test Methods for Fire Tests of Building Construction and Materials

Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750° C

Standard Test Method for Fire Tests of Penetration Firestop Systems

Standard Test Methods for Fire Tests of Fire-Resistive Barrier Systems for Electrical System Components

Standard Practice for Application of Hose Stream

Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus

Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)

Standard Methods of Fire Endurance Tests of Building Construction and Materials

Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies

Test Technology:

Fire Testing (cont'd)

CAN / ULC S102.2

CAN / ULC S104
CAN/ULC S115

CAN/ULC S138

CAN/ULC S145

CAN/ULC 9705

NFPA 252

NFPA 275

NFPA 285

NFPA 286

NFPA 288

UL 9

UL 10B

UL 10C

UL 263

UL 723

UL 1479

Test Methods:

Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies

Standard Method for Fire Tests of Door Assemblies
Standard Method of Fire Tests of Firestop Systems

Standard Method of Test for Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration

Standard Methods of Test for the Evaluation of Protective Coverings for Foamed Plastic Insulation – Full-Scale Room Test

Fire Tests – Full-Scale Room Tests for Surface Products

Standard Methods of Fire Tests of Door Assemblies

Standard Method of Fire Tests for the Evaluation of Thermal Barriers

Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components

Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth

Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal Fire Resistance-Rated Assemblies

Standard for Fire Tests of Window Assemblies

Standard for Fire Tests of Door Assemblies

Positive Pressure Fire Tests of Door Assemblies

Fire Tests of Building Construction and Materials

Standard for Test for Surface Burning Characteristics of Building Materials

Fire Tests of Penetration Firestops

Test Technology:

Fire Testing (cont'd)

UL 1715

UL1724

UL 2043

UL 2079

Test Methods:

Standard for Fire Test of Interior Finish Material

Outline of Investigation for Fire Tests for Electrical
Circuit Protective Systems

Standard for Fire Test for Heat and Visible Smoke
Release for Discrete Products and Their Accessories
Installed in Air-Handling Spa

Tests for Fire Resistance of Building Joint Systems





Accredited Laboratory

A2LA has accredited

HOME INNOVATION RESEARCH LABS

Upper Marlboro, MD

for technical competence in the field of

Construction Materials 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 February 2024.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6754.03
Valid to July 31, 2025

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