



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: December 31, 2023

Certificate Number: 5580.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform material property tests (mechanical, durability, environmental), structural tests, chemical tests, and other performance tests as identified below on various materials, plumbing products, building products, and assemblies:

**Test Method <sup>1</sup>:**

**Test Description:**

ASTM E329 (sect. 5-12, excluding sect. 6.3, pertaining to testing only)

Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection

ASTM E699 (part A only)

Standard Specification for Agencies Involved in Testing, Quality Assurance, and Evaluating of Manufactured Building Components

AAMA 101  
(AAMA/WDMA/CSA/101./IS.2/A440)

North American Fenestration Standard (NAFS) / specification for windows, doors, and skylights (sections 6.4.4, 9.3.2, 9.3.3, 9.3.4 and 9.4.4 only)

AAMA 711

Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products

AAMA 712

Voluntary Specification for Mechanically Attached Flexible Flashing

AAMA 714

Voluntary Specification for Liquid-Applied Flashing Used to Create a Water-Resistive Seal around Exterior Wall Openings in Buildings (*except ASTM C1305*)

AAMA 1402

Standard Specifications for Aluminum Siding, Soffit and Fascia

AAMA 1702.2

Swinging Exterior Passage Doors Voluntary Standard for Utilization in Manufactured-Housing

AATCC 127

Water resistance – hydrostatic pressure test

**Test Method**<sup>1</sup>:

**Test Description:**

AISI S220	North American Standard for Cold-Formed Steel Nonstructural Framing
AISI S904	Standard Test Methods for Determining the Tensile and Shear Strength of Screws
AISI S905	Test Standard for Cold-Formed Steel Connections
AISI S911	Test Standard for Determining the Flexural Strength of Cold-Formed Steel Hat-Shaped Members
AISI S916	Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel-Framed Nonstructural Interior Partition Walls Sheathed with Gypsum Board
ANSI A118.1	Specifications for standard dry-set cement mortar
ANSI A118.4	Specifications for modified dry-set cement mortar
ANSI A118.10	Standard specifications for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation (except section 4.1)
ANSI A136.1	Organic adhesives for installation of ceramic tile
ANSI A137.1	American National Standard Specifications for Ceramic Tile (section 9.6)
ANSI A326.3	American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials
ANSI / AMCA 540	Test Method for Louvers Impacted by Wind Borne Debris
ANSI / KCMA A161.1	Performance and Construction Standard For Kitchen and Vanity Cabinets
ANSI / NFSI B101.1	Test Method for Measuring the Wet SCOF of Hard-Surface Walkways
ANSI / NFSI B101.3	Test Method for Measuring the Wet DCOF of Hard Surface Walkways
ANSI / TPI 1	National design standard for metal plate connected wood truss construction
APA AFG-01	Adhesives for field-gluing plywood to wood framing
ASME A112.4.2 / CSA B45.16	Personal Hygiene Devices for Water Closets <sup>2</sup>

**Test Method**<sup>1</sup>:

**Test Description:**

ASME A112.6.3	Floor and Trench Drains
ASME A112.14.1	Backwater valves
ASME A112.18.1 / CSA B125.1	Plumbing Supply Fittings ( <i>except backflow prevention</i> )
ASME A112.18.2 / CSA B125.2	Plumbing Waste Fittings
ASME A112.18.6 / CSA B125.6	Flexible Water Connectors
ASME A112.19.2 / CSA B45.1	Ceramic Plumbing Fixtures <sup>2</sup>
ASME A112.19.1 / CSA B45.2	Enamelled Cast Iron and Enamelled Steel Plumbing Fixtures <sup>2</sup>
ASME A112.19.3 / CSA B45.4	Stainless Steel Plumbing Fixtures <sup>2</sup>
ASME A112.19.5 / CSA B45.15	Flush Valves and Spuds for Water Closets, Urinals, and Tanks
ASME A112.19.7 / CSA B45.10	Hydromassage Bathtub Systems
ASME A112.19.14	Six-Liter Water Closets Equipped with a Dual Flushing Device
ASME A112.19.15	Bathtubs/Whirlpool Bathtubs with Pressure Sealed Doors
ASSE 1037 / ASME A112.1037 / CSA B125.37	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures
ASTM A90	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 (Only Sections 6 to 14)
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM C36/C36M	Standard specification for gypsum wallboard
ASTM C109	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
ASTM C165	Standard test method for measuring compressive properties of thermal insulations
ASTM C167	Standard test methods for thickness and density of blanket or batt thermal insulations
ASTM C191	Standard Test Methods for Time of Setting of Hydraulic Cement by Vicat Needle

**Test Method** <sup>1</sup>:

**Test Description:**

ASTM C203	Standard test methods for breaking load and flexural properties of block-type thermal insulation
ASTM C208	Standard Specification for Cellulosic Fiber Insulating Board
ASTM C209	Standard Test Methods for Cellulosic Fiber Insulating Board
ASTM C266	Standard Test Method for Time of Setting of Hydraulic-Cement Paste by Gillmore Needles
ASTM C267	Standard Test Methods for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes
ASTM C271/C271M	Standard test method for density of sandwich core materials
ASTM C272/C272M	Standard test method for water absorption of core materials for sandwich constructions
ASTM C273/C273M	Standard test method for shear properties of sandwich core materials
ASTM C297/C297M	Standard test method for flatwise tensile strength of sandwich constructions
ASTM C303	Standard test method for dimensions and density of preformed block and board -type thermal insulation
ASTM C307	Standard Test Method for Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacing
ASTM C308	Standard Practice for Working, Initial Setting, and Service Strength Setting Times of Chemical-Resistant Resin Mortars
ASTM C321	Standard Test Method for Bond Strength of Chemical-Resistant Mortars
ASTM C346	Standard Test Method for 45-deg Specular Gloss of Ceramic Materials
ASTM C364/C364M	Standard test method for edgewise compressive strength of sandwich constructions
ASTM C365	Standard Test Method for Flatwise Compressive Properties of Sandwich Cores
ASTM C373	Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed

**Test Method** <sup>1</sup>:

**Test Description:**

<b><u>Test Method</u></b> <sup>1</sup> :	<b><u>Test Description:</u></b>
	Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products
ASTM C393/C393M	Standard test method for core shear properties of sandwich constructions by beam flexure
ASTM C413	Standard Test Method for Absorption of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes
ASTM C473	Standard test methods for physical testing of gypsum panel products ( <i>except section 21 Surface Water Resistance</i> )
ASTM C480	Standard Test Method for Flexure Creep of Sandwich Constructions
ASTM C481	Standard Test Method for Laboratory Aging of Sandwich Constructions
ASTM C482	Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste
ASTM C518	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM C531	Standard Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes
ASTM C557	Standard specification for adhesives for fastening gypsum wallboard to wood framing
ASTM C578	Standard specification for rigid, cellular polystyrene thermal insulation
ASTM C579	Standard Test Methods for Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes
ASTM C580	Standard Test Method for Flexural Strength and Modulus of Elasticity of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes
ASTM C591	Standard Specification for Unfaced Preformed Rigid Cellular Polyisocyanurate Thermal Insulation ( <i>except ASTM C411, ASTM D6226, and ASTM C871</i> )
ASTM C627	Standard test method for evaluating ceramic floor tile installation systems using the Robinson-type floor tester

**Test Method** <sup>1</sup>:

**Test Description:**

ASTM C645	Standard Specification for Nonstructural Steel Framing Members
ASTM C666	Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing, excluding section 4.2 and 4.3
ASTM C686	Standard test method for parting strength of mineral fiber batt and blanket-type insulation
ASTM C794	Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants
ASTM C947	Standard test method for flexural properties of thin- section glass-fiber-reinforced concrete (using simple beam with third point loading)
ASTM C954	Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness
ASTM C955	Standard Specification for Cold-Formed Steel Structural Framing Members
ASTM C1002	Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs
ASTM C1028	Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method
ASTM C1029	Standard Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation
ASTM C1177/C1177M	Standard specification for glass mat gypsum substrate for use as sheathing
ASTM C1185	Standard Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards
ASTM C1186	Standard Specification for Flat Fiber-Cemet Sheets
ASTM C1264	Standard specification for sampling, inspection, rejection, certification, packaging, marking, shipping, handling, and storage of gypsum panel products

**Test Method** <sup>1</sup>:

**Test Description:**

ASTM C1289	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
ASTM C1396/C1396M	Standard specification for gypsum board
ASTM C1513	Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections
ASTM D143	Standard test methods for small clear specimens of timber
ASTM D146/D146M	Standard test methods for sampling and testing bitumen saturated felts and woven fabrics for roofing and waterproofing
ASTM D198	Standard test methods of static tests of lumber in structural sizes
ASTM D226	Standard specification for asphalt-saturated organic felt used in roofing and waterproofing
ASTM D412	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension
ASTM D522	Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings
ASTM D523	Standard Test Method for Specular Gloss
ASTM D543	Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents
ASTM D570	Standard test method for water absorption of plastics
ASTM D610	Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces
ASTM D618	Standard Practice for Conditioning Plastics for Testing
ASTM D635	Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
ASTM D638	Standard test method for tensile properties of plastics
ASTM D648	Standard test method for deflection temperature of plastics under flexural load in the edgewise position
ASTM D660	Standard Test Method for Evaluating Degree of Checking of Exterior Paints
ASTM D661	Standard Test Method for Evaluating Degree of Cracking of Exterior Paints

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D662	Standard Test Method for Evaluating Degree of Erosion of Exterior Paints
ASTM D695	Standard Test Method for Compressive Properties of Rigid Plastics
ASTM D696	Standard test method for coefficient of linear thermal expansion of plastics between -30°C and 30°C with a vitreous silica dilatometer
ASTM D714	Standard Test Method for Evaluating Degree of Blistering of Paints
ASTM D732	Standard Test Method for Shear Strength of Plastics by Punch Tool
ASTM D751	Standard Test Methods for Coated Fabrics
ASTM D756	Standard Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service Conditions
ASTM D772	Standard Test Method for Evaluating Degree of Flaking (Scaling) of Exterior Paints
ASTM D779	Standard Test Method for Determining the Water Vapor Resistance of Sheet Materials in Contact with Liquid Water by the Dry Indicator Method
ASTM D790	Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials
ASTM D792	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM D828	Standard test method for tensile properties of paper and paperboard using constant-rate-of-elongation apparatus
ASTM D882	Standard test method for tensile properties of thin plastic sheeting
ASTM D896	Standard Practice for Resistance of Adhesive Bonds to Chemical Reagents
ASTM D903	Standard test method for peel or stripping strength of adhesive bonds
ASTM D905	Standard test method for strength properties of adhesive bonds in shear by compression loading



**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D953  
ASTM D1002

Standard Test Method for Pin-Bearing Strength of Plastics  
Standard test method for apparent shear strength of single-lapjoint adhesively bonded metal specimens by tension loading (metal-to-metal)

ASTM D1003

Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics

ASTM D1004

Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting

ASTM D1037

Standard test methods for evaluating properties of wood- base fiber and particle panel materials (*except Abrasion Resistance by the U.S. Navy Wear Tester*)

ASTM D1042

Standard Test Method for Linear Dimensional Changes of Plastics Caused by Exposure to Heat and Moisture

ASTM D1044

Standard Test Method for Resistance of Transparent Plastics to Surface Abrasion by the Taber Abraser

ASTM D1084

Standard test methods for viscosity of adhesives (method A only)

ASTM D1101

Standard test methods for integrity of adhesive joints in structural laminated wood products for exterior use

ASTM D1183

Standard Practices for Resistance of Adhesives to Cyclic Laboratory Aging Conditions

ASTM D1203

Standard Test Methods for Volatile Loss from Plastics Using Activated Carbon Methods

ASTM D1204

Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature

ASTM D1212

Standard Test Methods for Measurement of Wet Film Thickness of Organic Coatings

ASTM D1239

Standard Test Method for Resistance of Plastic Films to Extraction by Chemicals

ASTM D1593

Standard Specification for Nonrigid Vinyl Chloride Plastic Film and Sheeting

ASTM D1621

Standard test method for compressive properties of rigid cellular plastics

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D1622/D1622M	Standard test method for apparent density of rigid cellular plastics
ASTM D1623/D1623M	Standard test method for tensile and tensile adhesion properties of rigid cellular plastics (type B only)
ASTM D1709	Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
ASTM D1761	Standard test methods for mechanical fasteners in wood
ASTM D1790	Standard Test Method for Brittleness Temperature of Plastic Sheeting by Impact
ASTM D1876	Standard test method for peel resistance of adhesives (T- peel test)
ASTM D1929	Standard Test Method for Determining Ignition Temperature of Plastics
ASTM D1970	Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
ASTM D2126	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
ASTM D2299	Standard Recommended Practice for Determining Relative Stain Resistance of Plastics
ASTM D2240	Standard test method for rubber property—durometer hardness
ASTM D2244	Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
ASTM D2247	Standard Practice for Testing Water Resistance of Coatings in 100 % Relative Humidity
ASTM D2294	Standard test method for creep properties of adhesives in shear by tension loading (metal-to-metal)
ASTM D2394	Standard Test Methods for Simulated Service Testing of Wood and Wood-Based Finish Flooring
ASTM D2395	Standard Test Methods for Specific Gravity of Wood and Wood Based Materials
ASTM D2457	Standard Test Method for Specular Gloss of Plastic Films and Solid Plastics

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D2559	Standard specification for adhesives for bonded structural wood products for use under exterior exposure conditions
ASTM D2583	Standard Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor
ASTM D2718	Standard Test Methods for Structural Panels in Planar Shear (Rolling Shear (only Method B))
ASTM D2794	Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
ASTM D2842	Standard Test Method for Water Absorption of Rigid Cellular 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 D2990	Standard test methods for tensile, compressive, and flexural creep and creep-rupture of plastics
ASTM D3024	Performance specification protein-base adhesives for structural laminated wood products for use under interior (dry use) exposure conditions ( <i>except sections 12.2 and 12.3</i> )
ASTM D3043	Standard Test Methods for Structural Panels in Flexure (Methods A, B, and D)
ASTM D3045	Standard Practice for Heat Aging of Plastics Without Load
ASTM D3201	Standard Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products
ASTM D3330	Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape
ASTM D3359	Standard Test Methods for Rating Adhesion by Tape Test
ASTM D3500	Standard Test Methods for Structural Panels in Tension (only Method A)
ASTM D3501	Standard Test Methods for Wood-Based Structural Panels in Compression (Excluding Method A)

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D3679	Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding ( <i>except Outdoor Weathering</i> )
ASTM D3737	Standard practice for establishing allowable properties for structural glued laminated timber (glulam)
ASTM D3746	Standard Test Method for Impact Resistance of Bituminous Roofing Systems
ASTM D3801	Standard Test Method for Measuring the Comparative Burning Characteristics of Solid Plastics in a Vertical Position
ASTM D3930	Standard specification for adhesives for wood-based materials for construction of manufactured homes
ASTM D3950	Standard Specification for Strapping, Nonmetallic (and Joining Methods)
ASTM D4039	Standard Test Method for Reflection Haze of High-Gloss Surfaces
ASTM D4060	Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
ASTM D4068	Standard specification for chlorinated polyethylene (CPE) sheeting for concealed water-containment membrane (annex A2 only)
ASTM D4226	Standard Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC) Building Products
ASTM D4317	Standard specification for polyvinyl acetate-based emulsion adhesives ( <i>except sections 9.1.2, 9.1.3, 9.1.4, 10.3.3.1, 10.3.3.5 and 10.3.3.6</i> )
ASTM D4355	Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture, and Heat in a Xenon Arc-Type Apparatus
ASTM D4442	Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials
ASTM D4444	Standard Test Method for Laboratory Standardization and Calibration of Hand-Held Moisture Meters
ASTM D4477	Standard Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D4533	Standard Test Method for Trapezoid Tearing Strength of Geotextiles
ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers
ASTM D4726	Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors ( <i>except Outdoor Weathering</i> )
ASTM D4761	Standard Test Methods for Mechanical Properties of Lumber and Wood-Base Structural Material
ASTM D4804	Standard Test Method for Determining the Flammability Characteristics of Nonrigid Solid Plastics
ASTM D4869/D4869M	Standard specification for asphalt-saturated organic felt underlayment used in steep slope roofing
ASTM D4986	Standard Test Method for Horizontal Burning Characteristics of Cellular Polymeric Materials
ASTM D4933	Standard Guide for Moisture Conditioning of Wood and Wood-Based Materials
ASTM D5034	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
ASTM D5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
ASTM D5048	Standard Test Method for Measuring the Comparative Burning Characteristics and Resistance to Burn-Through of Solid Plastics Using a 125-mm Flame
ASTM D5055	Standard Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists (only Section 6.4.3)
ASTM D5132	Standard Test Method for Horizontal Burning Rate of Polymeric Materials Used in Occupant Compartments of Motor Vehicles
ASTM D5199	Standard Test Method for Measuring the Nominal Thickness of Geosynthetics
ASTM D5206	Standard test method for wind load resistance of rigid plastic siding

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D5322	Standard Practice for Laboratory Immersion Procedures for Evaluating the Chemical Resistance of Geosynthetics to Liquids
ASTM D5420	Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimen by Means of a Striker Impacted by a Falling Weight (Gardner Impact)
ASTM D5456	Standard specification for evaluation of structural composite lumber products
ASTM D5516	Standard Test Method for Evaluating the Flexural Properties of Fire-Retardant Treated Softwood Plywood Exposed to Elevated Temperatures
ASTM D5664	Standard Test Method for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber
ASTM D5764	Standard test method for evaluating dowel-bearing strength of wood and wood-based products
ASTM D5947	Standard Test Methods for Physical Dimensions of Solid Plastics Specimens
ASTM D6108	Standard test method for compressive properties of plastic lumber and shapes
ASTM D6109	Standard test methods for flexural properties of unreinforced and reinforced plastic lumber and related products
ASTM D6111	Standard test method for bulk density and specific gravity of plastic lumber and shapes by displacement
ASTM D6112	Standard test methods for compressive and flexural creep and creep-rupture of plastic lumber and shapes
ASTM D6117	Standard test methods for mechanical fasteners in plastic lumber and shapes
ASTM D6290	Standard Test Method for Color Determination of Plastic Pellets
ASTM D6341	Standard test method for determination of the linear coefficient of thermal expansion of plastic lumber and plastic lumber shapes between -30 and 140°F (-34.4 and 60°C)
ASTM D6364	Standard Test Method for Determining Short-Term Compression Behavior of Geosynthetics

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM D6435	Standard test method for shear properties of plastic lumber and plastic lumber shapes
ASTM D6775	Standard Test Method for Breaking Strength and Elongation of Textile Webbing, Tape and Braided Material
ASTM D6815	Standard Specification for Evaluation of Duration of Load and Creep Effects of Wood and Wood-Based Products
ASTM D7031	Standard Guide for Evaluating Mechanical and Physical Properties of Wood-Plastic Composite Products ( <i>except ASTM C1308</i> )
ASTM D7032	Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails), excluding Section 4.9
ASTM D7147	Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers
ASTM D7234	Standard Test Method for Pull-Off Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers
ASTM D7247	Standard Test Method for Evaluating the Shear Strength of Adhesive Bonds in Laminated Wood Products at Elevated Temperatures
ASTM D7254	Standard Specification for Polypropylene (PP) Siding ( <i>except Outdoor Weathering</i> )
ASTM D7425	Standard Specification for Spray Polyurethane Foam Used for Roofing Applications
ASTM D7445	Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding with Foam Plastic Backing (Backed Vinyl Siding)
ASTM D7793	Standard Specification for Insulated Vinyl Siding ( <i>except ASTM C1363</i> )
ASTM E8/E8M	Standard test methods for tension testing of metallic materials
ASTM E72	Standard test methods of conducting strength tests of panels for building construction ( <i>except section 10 tensile load</i> )
ASTM E96/E96M	Standard test methods for water vapor transmission of materials

**Test Method** <sup>1</sup>:

**Test Description:**

ASTM E136	Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C
ASTM E162	Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source
ASTM E228	Standard Test Method for Linear Thermal Expansion of Solid Materials with a Push-Rod Dilatometer ( <i>except sections 3.4 and 4.4</i> )
ASTM E283/E283M	Standard test method for determining rate of air leakage through exterior windows, curtain walls, and doors under specified pressure differences across specimen
ASTM E303	Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester
ASTM E308	Standard Practice for Computing the Colors of Objects by Using the CIE System
ASTM E313	Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates
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 E455	Standard test method for static load testing of framed floor or roof diaphragm constructions for buildings
ASTM E488	Standard Test Methods for Strength of Anchors in Concrete Elements, limited to Section 8.1 and 8.3 only
ASTM E489	Standard test method for tensile strength properties of metal connector plates
ASTM E529	Standard guide for conducting flexural tests on beams and girders for building construction
ASTM E547	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by cyclic static air pressure difference
ASTM E564	Standard practice for static load test for shear resistance of framed walls for buildings



**Test Method** <sup>1</sup>:

**Test Description:**

ASTM E661	Standard test method for performance of wood and wood - based floor and roof sheathing under concentrated static and impact loads
ASTM E767	Standard test method for shear strength properties of metal connector plates
ASTM E779	Standard test method for determining air leakage rate by fan pressurization
ASTM E805	Standard Practice for Identification of Instrumental Methods of Color or Color-Difference Measurement of Materials
ASTM E935	Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings
ASTM E985	Standard Specification for Permanent Metal Railing Systems and Rails for Buildings
ASTM E1233	Standard test method for structural performance of exterior windows, doors, skylights, and curtain walls by cyclic air pressure differential
ASTM E1331	Standard Test Method for Reflectance Factor and Color by Spectrophotometry Using Hemispherical Geometry
ASTM E1347	Standard Test Method for Color and Color-Difference Measurement by Tristimulus Colorimetry
ASTM E1348	Standard Test Method for Transmittance and Color by Spectrophotometry Using Hemispherical Geometry
ASTM E1592	Standard test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference
ASTM E1621	Standard Guide for Elemental Analysis by Wavelength Dispersive X-Ray Fluorescence Spectrometry
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

**Test Method** <sup>1</sup>:

**Test Description:**

ASTM E2127	Standard methods of static load test for combined tensile and transverse load resistance of paneled wall systems in building construction
ASTM E2134	Standard Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS)
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 E2322	Standard test method for conducting transverse and concentrated load tests on panels used in floor and roof construction
ASTM E2485	Standard Test Method for Freeze/Thaw Resistance of Exterior Insulation and Finish Systems (EIFS) and Water Resistive Barrier Coatings
ASTM E2357	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies
ASTM E2556	Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment
ASTM E2568	Standard Specification for PB Exterior Insulation and Finish Systems
ASTM E2570	Standard Test Methods for Evaluating Water-Resistive Barrier (WRB) Coatings Used under Exterior Insulation and Finish Systems (EIFS) or EIFS with Drainage
ASTM E2925	Standard Specification for Manufactured Polymeric Drainage and Ventilation Materials Used to Provide a Rain screen Function
ASTM E3075	Standard Test Method for Water Immersion and Drying for Evaluation of Flood Damage Resistance
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

**Test Method**<sup>1</sup>:

**Test Description:**

ASTM F1087	Standard Test Method for Linear Dimensional Stability of a Gasket Material to Moisture
ASTM F1306	Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials
ASTM F1575	Standard Test Method for Determining Bending Yield Moment of Nails
ASTM F1678	Standard test method for using a portable articulated strut slip tester (PAST)
ASTM F1679	Standard Test Method for Using a Variable Incidence Tribometer (VIT)
ASTM F3359	Standard Test Method for Determining Bending Yield Moment of Staples
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
ASTM G195	Standard Guide for Conducting Wear Tests Using a Rotary Platform Abraser
AWPA E12	Standard Method of Determining Corrosion of Metal in Contact with Treated Wood
CAN/ULC-S701.1	Standard for Thermal Insulation, Polystyrene Boards
CAN/ULC-S705.1	Standard for Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material Specification ( <i>except section 5.5.10</i> )
CAN/ULC-S712.1	Standard for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Material Specification ( <i>except section 5.5.8</i> )
CSA B45.5 / IAPMO Z124	Plastic plumbing fixtures
CSA B45.8 / IAPMO Z403	Terrazzo, concrete, composite stone, and natural stone plumbing fixtures
CSA B45.11 / IAPMO Z401	Glass plumbing fixtures
CSA S347	Method of test for evaluation of truss plates used in lumber joints

**Test Method**<sup>1</sup>:

**Test Description:**

FMVSS 302 / CMVSS 302	Flammability of interior materials
IAPMO PS 99	Terrazzo, Marble, Concrete, Granite, and Slate Plumbing Fixtures
IAPMO PS 106	Tileable Shower Receptor and Shower Kits ( <i>except section 5.5</i> )
ICC 500	ICC/NSSA Standard for the Design and Construction of Storm Shelters, Large missile test per ASTM E1886 for designed wind speeds up to 250 mph
ICC 1100	Standard for Spray-applied Polyurethane Foam Plastic ( <i>except section 302.2</i> )
ICC-ES AC04	Sandwich panels
ICC-ES AC05	Sandwich panel adhesives
ICC-ES AC11	Cementitious Exterior Wall Coatings
ICC-ES AC12	Foam Plastic Insulation ( <i>section 3.4</i> )
ICC-ES AC13	Joist hangers and similar devices
ICC-ES AC14	Prefabricated wood I-joists
ICC-ES AC37	Vinyl siding
ICC-ES AC38	Water-resistive barriers
ICC-ES AC39	Walking decks ( <i>except ASTM D1242</i> )
ICC-ES AC47	Structural wood-based products ( <i>except section 3.5 Alternative Strand Lumber</i> )
ICC-ES AC48	Self-adhered roof underlayments for use as ice barriers
ICC-ES AC49	Molded plastic footing pads ( <i>except ASTM D256 and ASTM D746</i> )
ICC-ES AC66	Fire-retardant-treated Wood ( <i>except ASTM D2898</i> )
ICC-ES AC86	Cold-formed steel framing members-interior non-load-bearing wall assemblies
ICC-ES AC92	Polymer-Based, Polymer-Modified, and High-Pressure Laminate Exterior and Interior Wall Cladding ( <i>except NFPA 268</i> )

**Test Method**<sup>1</sup>:

**Test Description:**

ICC-ES AC100	Air-conditioning Equipment Pads
ICC-ES AC115	Waterproof Membranes for Flooring and Shower Lining
ICC-ES AC116	Acceptance Criteria for Nails, ( <i>excluding Section 3.2.3</i> )
ICC-ES AC118	Tapping Screw Fasteners Used in Steel-to-steel Connections
ICC-ES AC148	Flexible Flashing Materials
ICC-ES AC174	Deck board span ratings and guardrail systems (guards and handrails) ( <i>except section 3.10</i> )
ICC-ES AC188	Roof underlayments
ICC-ES AC207	Polypropylene roof underlayments
ICC-ES AC212	Water-resistive Coatings Used as Water-resistive Barriers over Exterior Sheathing
ICC-ES AC228	Corrosion Protection of Steel Foundation Systems Using Polymer (EAA) Coatings ( <i>excluding Sections 3.4 and 4.4</i> )
ICC-ES AC245	Windows and doors subject to wind-borne debris
ICC-ES AC257	Corrosion-resistant Fasteners and Evaluation of Corrosion Effects of Wood Treatments
ICC-ES AC265	Fiber-reinforced Polymer (FRP) Composite Columns Used as Axial Load-bearing and Nonload-bearing Architectural and Decorative Columns ( <i>except section 4.2.2 Load Duration</i> )
ICC-ES AC266	Wood structural panel roof sheathing factory-laminated with an alternative roof underlayment ( <i>sections 4.1.2, 4.4.1 and 4.4.2</i> )
ICC-ES AC269	Racking Shear Evaluation of Proprietary Sheathing Materials Attached to Light-frame Wall Construction or Code-complying Sheathing Attached to Light-framed Walls with Proprietary Fasteners
ICC-ES AC269.1	Proprietary Sheathing Attached to Wood Light-Frame Wall Construction Used as Braced Wall Panels Under the IRC
ICC-ES AC269.2	Proprietary Sheathing Jobsite-attached to Wood Light-frame Wall Construction Used as Shear Walls
ICC-ES AC273	Acceptance Criteria for Hand Rails and Guards

**Test Method**<sup>1</sup>:

**Test Description:**

ICC-ES AC274	In-Ground, Residential, Fiber-Reinforced Plastic Swimming Pools and Permanently Installed Plastic Spas
ICC-ES AC279	Vinyl-Lined Residential Swimming Pools
ICC-ES AC283	Metal hinge plate connectors for wood trusses
ICC-ES AC295	Laminated fibrous board sheathing material ( <i>except section 4.3</i> )
ICC-ES AC310	Water-resistive membranes factory-bonded to wood - based structural sheathing, used as water-resistive barriers ( <i>sections 4.2 thru 4.7</i> )
ICC-ES AC321	Treated-engineered-wood siding ( <i>sections 4.4, 4.5 and 4.6</i> )
ICC-ES AC356	Moisture Drainage Systems Used with Exterior Cement Plaster or Adhered Masonry Veneer Walls ( <i>except ASTM C1338</i> )
ICC-ES AC366	Polypropylene siding
ICC-ES AC377	Spray-applied Foam Plastic Insulation ( <i>except section 3.2</i> )
ICC-ES AC380	Termite Physical Barrier Systems ( <i>section 4.4</i> )
ICC-ES AC382	Laminated fibrous board sheathing material used as a water-resistive barrier
ICC-ES AC387	Metal Webs for Parallel Chord Wood Trusses
ICC-ES AC423	Raised-Deck Systems Installed over Roof Assemblies or Exterior Supporting Structures ( <i>except sections 3.5, 3.6 and 4.5</i> )
ICC-ES AC524	Wood-Plastic Composite Products Used as Exterior Siding ( <i>except NFPA 268</i> )
IEC 60695-11-10	Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods
IEC 60695-11-20	Fire hazard testing – Part 11-20: Test flames – 500 W flame test method
ISO 871-1996	Plastics – Determination of ignition temperature using a hot-air furnace
ISO 1210	Plastics – Determination of the burning behaviour of horizontal and vertical specimens in contact with a small-flame ignition source

**Test Method<sup>1</sup>:**

**Test Description:**

ISO 9772	Cellular plastics – Determination of horizontal burning characteristics of small specimens subjected to a small flame
ISO 9773	Plastics – Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source
NSF/ANSI/CAN 61	Drinking Water System Components – Health Effects ("NSF 61") ( <i>section 3.6</i> )
NSF/ANSI/CAN 372	Drinking Water System Components – Lead Content ("NSF 372")
SAE J78	Steel Self-Drilling Tapping Screws
TAS 114 Appendix D	Test Procedure for Simulated Uplift Pressure Resistance of Adhered Roofing Assemblies
TAS 201	Impact test procedures
TAS 202	Criteria for testing impact and non-impact resistant components using uniform static air pressure
TAS 203	Criteria for testing products subject to cyclic wind pressure loading
UL 94	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
UL 109	Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use
UL 2218/ UL 2218A	Impact Resistance of Prepared Roof Covering Materials/Impact of Resistance of Roofing Systems

**Biological**

**Test Method<sup>1</sup>:**

**Test Description:**

ASTM D1413	Standard test method for wood preservatives by laboratory soil-block cultures
ASTM D2017	Standard test method of accelerated laboratory test of natural decay resistance of woods
ASTM D3345	Standard test method for laboratory evaluation of wood and other cellulosic materials for resistance to termites

**Test Method<sup>1</sup>:**

AWPA E1

**Test Description:**

Laboratory methods for evaluating the termite resistance of wood-based materials: choice and no-choice test

<sup>1</sup> When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

<sup>2</sup>“The laboratory is only accredited for the test methods listed above. The accredited test methods are used in determining compliance with specific material specifications. The inclusion of these test methods on this Scope does not confer laboratory accreditation to the assessment of material specifications.”





# Accredited Laboratory

A2LA has accredited

**ICC NTA, LLC**

*Nappanee, IN*

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 23<sup>rd</sup> day of September 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5580.01  
Valid to December 31, 2023  
Revised on August 30, 2023

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