SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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Construction Materials

Valid To: July 31, 2024 Certificate Number: 6611.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following **construction materials tests and other performance tests as identified below on various materials, building products, and assemblies:**

Test:	**Test Method[1]:**
Physical	
AAMA 2200	Voluntary specifications for performance of exterior walking surface plank systems
AITC 200	Manufacturing quality control systems manual - includes the AITC test methods, otherwise known as t-tests
ANSI/AISI 904-17	Standard test methods for determining the tensile and shear strengths of screws (section 7.1 only)
APA AFG-01	Adhesives for field-gluing plywood to wood framing
ASTM C208	Standard specification for cellulosic fiber insulating board
ASTM C209	Standard test methods for cellulosic fiber insulating board
ASTMC271/C271M	Standard test method for density of sandwich core materials
ASTM C272	Standard test method for water absorption of core materials for sandwich constructions
ASTMC273/C273M	Standard test method for shear properties of sandwich core materials

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Test:	Test Method[1]:
Physical (cont.)	
ASTMC297/C297M	Standard test method for flatwise tensile strength of sandwich constructions
ASTMC365/C365M	Standard test method for flatwise compressive properties of sandwich cores
ASTMC393/C393M	Standard test method for core shear properties of sandwich constructions by beam flexure
ASTM C481	Standard test method for laboratory aging of sandwich constructions
ASTM C557	Standard specification for adhesives for fastening gypsum wallboard to wood framing
ASTM D790	Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials
ASTM D905	Standard test method for strength properties of adhesive bonds in shear by compression loading
ASTM D906	Standard test method for strength properties of adhesives in plywood type construction in shear by tension loading
ASTM D2395	Standard test methods for density and specific gravity (relative density) of wood and wood-based materials
ASTM D3043	Standard test methods for structural panels in flexure (method C only)
ASTM D3498	Standard Specification for adhesives for field-gluing plywood to lumber framing for floor systems
ASTM D4442	Standard test methods for direct moisture content measurement of wood and wood-based materials
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

Test:	Test Method[1]:
Physical (cont.)	
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 D6464	Standard specification for expandable foam adhesives for fastening gypsum wallboard to wood framing
ASTM D7147	Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers
ASTM E8	Standard test methods for tension testing of metallic materials
ASTM E72	Standard test methods of conducting strength tests of panels for building construction
ASTME96/E96M	Standard test methods for water vapor transmission of materials
ASTME330/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 E489	Standard test method for tensile strength properties of metal connector plates
ASTM E564	Standard practice for static load test for shear resistance of framed walls for buildings
ASTM E767	Standard test method for shear strength properties of metal connector plates
ASTM E1803	Standard test methods for determining strength capacities of structural insulated panels
ASTM E2126	Standard test methods for cyclic (reversed) load test for shear resistance of vertical elements of the lateral force resisting systems for buildings
ASTM F1575	Standard test method for determining bending yield moment of nails

Test:	Test Method[1]:
Physical (cont.)	
ICC ES AC109	Thermoplastic composite lumber products [section 4 (except sections 4.3 and 4.4)]
ICC ES AC174	Deck board span ratings and guardrail systems (guards and handrails) [test methods referenced in section 3 (excluding sections 3.7, 3.9 and 3.10)]
Structural	
ANSI/AITC A190.1	Standard for wood products – structural glued laminated timber
ANSI/HPVA HP-1	Standard for hardwood and decorative plywood
ANSI/TPI 1-2000	National Design Standard for Metal Plate Connected Wood Truss Construction
ASTM D143	Standard test methods for small clear specimens of timber
ASTM D198	Standard test methods of static tests of lumber in structural sizes
ASTMD1037	Standard test methods for evaluating properties of wood base fiber and particle panel materials
ASTMD1761	Standard test methods for mechanical fasteners in wood
ASTMD2394	Standard test methods for simulated service testing of wood and wood-base finish flooring (sections 33 to 37)
ASTMD2718	Standard test methods for structural panels in planar shear (rolling shear) (method A only)
ASTM D2719	Standard test methods for structural panels in shear-through-thickness (method C only)
ASTMD5055	Standard specification for establishing and monitoring structural capacities of prefabricated wood I-joists
ASTMD5266	Standard practice for estimating the percentage of wood failure in adhesive bonded joints

Test:	Test Method[1]:
Structural (cont.)	
ASTMD5456	Standard specification for evaluation of structural composite lumber products
ASTMD5764	Standard test method for evaluating dowel-bearing strength of wood and wood-based products
ASTMD6464	Standard specification for expandable foam adhesives for fastening gypsum wallboard to wood framing
ASTMD6815	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
ASTM D7032	Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite and Plastic Lumber Deck Boards, Stair Treads, Guards, and Handrails
ASTM E73	Standard practice static load testing of truss assemblies
ASTM E661	Standard test method for performance of wood and wood-based floor and roof sheathing under concentrated static and impact loads
ASTM E2322	Standard test method for conducting transverse and concentrated load tests on panels used in floor and roof construction
ICC ES AC13	Joist hangers and similar devices (section 3.0)
ICC ES AC130	Prefabricated wood shear panels (section 5.0)
ICC ES AC233	Alternate dowel-type threaded fasteners (test methods referenced in section 4.0)
U.S. Department of Commerce Product Standards PS-1	Structural plywood (Sections 5.7, 5.8.6, 5.8.7, 5.9, 5.10, 5.11, and 6.0)
U.S. Department of Commerce Product Standards PS-2	Performance standard for wood-based structural-use panels (Sections 5.3, 5.4, 6.0, and 7.0)

[1] 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*.

On the following products and materials:

Construction materials, Building Products, and Assemblies

Accredited Laboratory

A2LA has accredited

PFS CORPORATION DBA PFS TECO

Cottage Grove, WI

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 30th day of January 2023.

Trace, McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6611.01
Valid to July 31, 2024

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