



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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Construction Materials

Valid To: July 31, 2022

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<sup>1</sup>:**

***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

ASTMC297/C297M

Standard test method for flatwise tensile strength of sandwich constructions

ASTMC365/C365M

Standard test method for flatwise compressive properties of sandwich cores

**Test:**

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

*Physical (cont.)*

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
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



**Test:**

***Physical (cont.)***

ASTM E72

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

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

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

**Test:**

***Structural (cont.)***

ASTM D143

ASTM D198

ASTMD1037

ASTMD1761

ASTMD2394

ASTMD2718

ASTM D2719

ASTMD5055

ASTMD5266

ASTMD5456

ASTMD5764

ASTMD6464

ASTMD6815

ASTM D7031

ASTM D7032

ASTM E73

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

Standard test methods for small clear specimens of timber

Standard test methods of static tests of lumber in structural sizes

Standard test methods for evaluating properties of wood base fiber and particle panel materials

Standard test methods for mechanical fasteners in wood

Standard test methods for simulated service testing of wood and wood-base finish flooring (sections 33 to 37)

Standard test methods for structural panels in planar shear (rolling shear) (method A only)

Standard test methods for structural panels in shear-through-thickness (method C only)

Standard specification for establishing and monitoring structural capacities of prefabricated wood I-joists

Standard practice for estimating the percentage of wood failure in adhesive bonded joints

Standard specification for evaluation of structural composite lumber products

Standard test method for evaluating dowel-bearing strength of wood and wood-based products

Standard specification for expandable foam adhesives for fastening gypsum wallboard to wood framing

Standard specification for evaluation of duration of load and creep effects of wood and wood-based products

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 practice static load testing of truss assemblies

**Test:**

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

***Structural (cont.)***

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)

<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*.

**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 1<sup>st</sup> day of November 2021.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 6611.01  
Valid to July 31, 2022

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