



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 Method¹:

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:

Physical (cont.)

ASTMC393/C393M

Test Method¹:

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 Method¹:

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:

Test Method¹:

Structural (cont.)

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|------------|--|
| 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 |
| 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 |



Test:

Test Method¹:

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)

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 1st 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.