



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

PFS Corporation dba PFS TECO
5250 Highbanks Road, Suite 200
Springfield, OR 97478

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 22 November 2026

Certificate Number: AT-3330.01



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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TESTING

ISO/IEC 17025 Accreditation Granted: **22 November 2024**

Certificate Number: **AT-3330.01** Certificate Expiry Date: **22 November 2026**

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Shear Test	AITC T107	Structural Glued Laminated Timber (Glulam), Cross Laminated Timber (CLT)	Universal Test Machine, Linear Measurement Device
Cyclic Delamination Test	AITC T110	Glulam, End Joint	Vacuum/Pressure Vessel, Drying Oven
Standard for Performance-Rated Cross-Laminated Timber (Section 6.3.2, 6.3.3, 8.2.5, 8.2.6)	ANSI PRG 320	Cross-Laminated Timber (CLT)	Universal Test Machine, Linear Measurement Device,
Standard for Performance Rated Engineered Wood Siding (Excluding Section 11.6)	ANSI/APA PRP 210	Engineered Wood Siding	Universal Test Machine, Concentrated Static Load Test Machine, Uniform Load Test Machine, Pressure Machine, Drying Oven, Linear Measurement Device
Standard for Performance Rated Engineered Wood Rim Boards	ANSI/APA PRP 410	Engineered Wood Rim Boards (Wood Structural Panels, SCL, and Glulam)	Universal Test Machine, Load Cell, Deflection & Linear Measurement Device

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard for Hardwood and Decorative Plywood	ANSI/HPVA HP-1	Hardwood and Decorative Panels	Universal Test Machine, Linear Measurement Device, Vacuum/Pressure Vessel, Drying Oven, Balance, Soak Tank, Boil Tank, Wood Failure Reading Lamp
Particleboard	ANSI A208.1	Particleboard	Universal Test Machine, Pressure Vessel, Drying Oven, Internal Bond Blocks, Conditioning Chambers, Linear Measurements Device, Balance, Drying Oven
Medium Density Fiberboard (MDF) for Interior Applications	ANSI A208.2	MDF	Universal Test Machine, Pressure Vessel, Drying Oven, Internal Bond Blocks, Conditioning Chambers, Linear Measurements Device, Balance, Drying Oven
Methods of Test for Veneer and Plywood – Method 1: Moisture Contact of Veneer and Plywood	AS/NZS 2098.1	Laminated Veneer Lumber	Linear Measurement Device, Balance, Drying Oven
Methods of Test for Veneer and Plywood - Bond Quality of Plywood (Chisel Test)	AS/NZS 2098.2	Laminated Veneer Lumber	Chisel, Soak Tank, Boil Tank, Drying Oven
Methods of Test for Veneer and Plywood – Bond Quality and Strength of Scarf Joints in Plywood	AS/NZS 2098.3	Laminated Veneer Lumber	Linear Measurement Device
Methods of Test for Veneer and Plywood - Measurement of Dimensions and Shape for Sheets of Veneer and Plywood	AS/NZS 2098.4	Laminated Veneer Lumber	Linear Measurement Device
Methods of Test for Veneer and Plywood - Density of Veneer and Plywood	AS/NZS 2098.7	Laminated Veneer Lumber	Linear Measurement Device, Balance, Drying Oven
Methods of Test for Veneer and Plywood - Determination of Formaldehyde Emissions for Plywood	AS/NZS 2098.11	Laminated Veneer Lumber	Temperature & Humidity Sensors, Desiccators, Balance, Spectrophotometer, Glassware, Pipette, Timers

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Plywood – Structural – Part 0: Specifications (Except Section 1.10)	AS/NZS 2269.0	Plywood, Laminated Veneer Lumber	Analytical
Plywood - Structural – Part 1: Determination of Structural Properties - Test Methods	AS/NZS 2269.1	Plywood, Laminated Veneer Lumber	Universal Test Machine. Tension Grips, Linear Measurement Device
Formaldehyde Standards for Composite Wood Products	40 CFR Part 770	Plywood, Particle Board, MDF	Temperature & Humidity Sensors, Mass Flow Meters, Desiccators, Chamber, Balance, Spectrophotometer, Glassware, Impinger, Pipette, Timers, Heat Block, Cooling Bath
Standard Test Method for Determining Formaldehyde Levels from Wood Products Using a Desiccator	ASTM D5582	Hardwood Plywood, Particle Board, MDF	Temperature & Humidity Sensors, Mass Flow Meters, Desiccators, Balance, Spectrophotometer, Glassware, Impinger, Pipette, Timers, Heat Block, Cooling Bath
Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber	ASTM D6007	Plywood, Particle Board, MDF	Temperature & Humidity Sensors, Mass Flow Meters, Small Chamber, Balance, Spectrophotometer, Glassware, Impinger, Pipette, Timers, Heat Block, Cooling Bath
Standard Test Method for Determining Formaldehyde Concentrations in Air and Emissions Rates from Wood Products Using a Large Chamber	ASTM E1333	Plywood, Particle Board, MDF	Temperature & Humidity Sensors, Mass Flow Meters, Large Chamber, Balance, Spectrophotometer, Glassware, Impinger, Pipette, Timers, Heat Block, Cooling Bath
Standard Test Methods for Small Clear Specimens of Timber	ASTM D143	Solid Wood	Universal Test Machine, Linear Measurement Device, Conditioning Chamber, Balance, Drying Oven
Standard Test Methods of Static Tests of Lumber in Structural Sizes	ASTM D198	Lumber, Wood-Based Material	Universal Test Machine, Linear Measuring Device

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Test Method for Strength Properties of Adhesive Bonds in Shear by Compression Loading	ASTM D905	Adhesive Bonds in Shear	Universal Test Machine, Load Cell, Shearing Fixture, Temperature/Humidity Chamber, Linear Measurement Device, Drying Oven
Standard Test Method for Strength Properties of Adhesives in Plywood Type Construction in Shear by Tension Loading	ASTM D906	Adhesives Bonds in Plywood-Type Construction	Globe Shear Test Machine, Conditioning Chamber, Linear Measurement Device, Drying Oven, Wood Failure Reading Lamp
Standard Test Methods for Evaluating Properties of Wood-Based Fiber and Particle Panel Materials	ASTM D1037	Particleboard, MDF, Hardboard, OSB	Universal Test Machine, Pressure Vessel, Drying Oven, Internal Bond Blocks, Conditioning Chambers, Linear Measurements Device, Balance, Drying Oven
Standard Test Methods for Integrity of Adhesive Joints in Structural Laminated Wood Products for Exterior Use	ASTM D1101	Structural Laminated Wood Members	Vacuum/Pressure Vessel, Drying Oven, Balance, Linear Measuring Device
Standard Practice for Effect of Moisture and Temperature on Adhesive Bonds	ASTM D1151	Adhesive Bonds Subjected to Continuous Exposure	Temperature/Humidity Chamber, Drying Oven, Vacuum/Pressure Tank, Soak Tank
Standard Practices for Resistance of Adhesives to Cyclic Laboratory Aging Conditions	ASTM D1183	Adhesive Bonds to Cyclic Accelerated Service Conditions	Temperature/Humidity Chamber, Drying Oven, Vacuum/Pressure Tank, Soak Tank, Desiccator,
Standard Test Method for Hydrogen Ion Concentration of Dry Adhesive Films	ASTM D1583	Dry Film pH	pH Meter, Drying Oven, Glass Vials, No. 40 Sieve,
Standard Test Methods for Mechanical Fasteners in Wood	ASTM D1761	Wood, Wood-Based Material	Universal Test Machine, Grips, Linear Measurement Device
Standard Test Methods for Density and Specific Gravity (Relative Density) of Wood and Wood-Based Materials	ASTM D2395	Wood Structural Panels, Glulam, CLT, SCL, Lumber	Linear Measurement Device, Balance, Drying Oven, Moisture Meter

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Specification for Adhesives for Bonded Structural Wood Products for use Under Exterior Exposure Conditions	ASTM D2559	Glulam, CLT, SCL, I-Joist	Universal Test Machine, Balance, Linear Measurement Devices, Vacuum/Pressure Vessel, Drying Ovens
Standard Test Methods for Structural Panels in Planar Shear (Rolling Shear)	ASTM D2718	Wood Structural Panels	Universal Test Machine, Linear Measurement Device, Balance, Drying Oven, Stopwatch
Practice for Sampling and Data-Analysis for Structural Wood and Wood-Based Products	ASTM D2915	Wood, Wood-Based Structural Products	Analytical
Standard Test Methods for Structural Panels in Flexure (Except Appendix X-1 and Section 7.5.4)	ASTM D3043	Wood, Wood-Based Structural Products	Load Cells, Large Panel Test Machine, Linear Measurement Device, Balance
Standard Test Methods for Structural Panels in Tension	ASTM D3500	Wood Structural Panels	Universal Test Machine, Tension Grips, Linear Measurement Device, Balance, Drying Oven, Conditioning Chamber
Standard Test Methods for Wood-Based Structural Panels in Compression	ASTM D3501	Wood-based Structural Panels	Universal Test Machine, Linear Measurement Device
Standard Test Method for Resistance to Creep Under Static Loading for Structural Wood Laminating Adhesives Used Under Exterior Exposure Conditions	ASTM D3535	Structural-Glued-Laminated Timber	Compression-Type Creep Tester, Universal Test Machine, Drying Oven, Temperatures/Humidity Chamber
Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials	ASTM D4442	Wood Structural Panels, LVL, SCL, CLT, Glulam and Lumber	Balance, Drying Oven
Standard Test Method for Evaluating Structural Adhesives for Finger Jointing Lumber	ASTM D4688/D4688M	Glulam, I-Joist Flange	Vacuum/Pressure Vessel, Boil Tank, Drying Oven, Universal Test Machine, Tension Tester, Linear Measurement Device, Wood Failure Reading Lamp

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists	ASTM D5055	Prefabricated Wood I-Joist	Universal Test Machine, Load Cells, Linear Measurement Device
Standard Practice for Estimating the Percentage of Wood Failure in Adhesive Bonded Joints	ASTM D5266	Plywood-Shear, Block-Shear, Finger Joint, Bondline Involving Wood	Wood Failure Reading Lamp, Scribed Transparent Template, Ruler
Standard Specification for Evaluation of Structural Composite Lumber Products	ASTM D5456	SCL	Universal Test Machine, Load Cells, Linear Measurement Device
Standard Specification for Adhesives Used for Finger Joints in Nonstructural Lumber Products	ASTM D5572	Interior and Exterior Moldings, Windows and Door Components or Parts, and Bonded-Lumber Panels	Vacuum/Pressure Vessel, Boil Tank, Drying Oven, Universal Test Machine, Tension Tester, Linear Measurement Device, Wood Failure Reading Lamp
Standard Specification for Adhesives Used for Laminate Joints in Nonstructural Lumber Products	ASTM D5751	Interior and Exterior Moldings, Windows and Door Components or Parts, and Bonded-Lumber Panels	Vacuum/Pressure Vessel, Boil Tank, Soak Tank, Drying Oven, Temperature/Humidity Chamber, Universal Test Machine, Linear Measurement Device, Wood Failure Reading Lamp
Standard Test Method for Evaluating Dowel-Bearing Strength of Wood and Wood-Based Products	ASTM D5764	Wood-Based Products (OSB, LVL)	Universal Test Machine, Linear Measurement Device, Deformation Measuring Device, Drying Oven, Balance
Standard Practice for Calculating Bending Strength Design Adjustment Factors for Fire-Retardant-Treated Plywood Roof Sheathing	ASTM D6305	Effects of Fire-Retardant Treatment on Plywood	Analytical
Standard Test Method for Evaluating the Shear Strength of Adhesive Bonds in Laminated Wood Products at Elevated Temperatures	ASTM D7247	Glulam, CLT, SCL	Universal Test Machine, Load Cell, High Temperature Oven, Drying Oven, Linear Measurement Device, K-Type Thermocouple, Thermometer, Balance, Desiccator, Shearing Tester

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Test Method for Performance of Wood and Wood-Based Floor and Roof Sheathing Under Concentrated Static and Impact Loads	ASTM E661	Wood-Based Panels	QL-2 Test Machine, Load Cell, Impact Weighted Bag, Loading Disks, Deflection Gage, Linear Measurement Device
Standard Test Method for Determining Bending Yield Moment of Nails	ASTM F1575	Nails, Spikes, and Dowel-Type Threaded Fasteners	Universal Test Machine, Load Cells, Linear Measurement Device
CSA Standards for Wood Adhesive	CSA O112-M Series	Adhesives Testing	Universal Test Machine, Balance, Linear Measurement Devices, Vacuum/Pressure Vessel, Boil Tank, Soak Tank, Drying Ovens
Evaluation of Adhesives for Structural Wood Products (Exterior Exposure)	CSA O112.9	Wood Structural Panels, LVL, SCL, CLT, Glulam and Lumber	Universal Test Machine, Balance, Linear Measurement Devices, Vacuum/Pressure Vessel, Boil Tank, Soak Tank, Drying Ovens
Evaluation of Adhesives for Structural Wood Products (Limited Moisture Exposure)	CSA O112.10	Wood Structural Panels, LVL, SCL, CLT, Glulam and Lumber	Universal Test Machine, Balance, Linear Measurement Devices, Vacuum/Pressure Vessel, Boil Tank, Soak Tank, Drying Ovens
Qualification Code for Manufacturers of Structural Glued-Laminated Timber	CSA O177	Glulam	Universal Test Machine, Load Cell, Vacuum/Pressure Tank, Drying Oven, Linear Measurement Device
Construction Sheathing (Section 5.3, 5.4, and 7.0 Except 6.2.2.3 and 7.3)	CSA O325	Wood Structural Panels	Vacuum/Pressure Tank, Universal Test Machine, Soak Tank, Boil Tank, Globe Tester, Linear Measurement Device, QL-2, Load Cell, Impact Weighted Bag, Loading Disks, Deflection Gage, Uniform Load Machine, Balances, Drying Oven, Conditioning Chamber, Dead Weight Stiffness, Large Panel Bending Machine

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Sandwich Panels (Test Methods Referenced in Section 4.0 (Excluding Sections 4.3, 4.5 and 4.7 through 4.10))	ICC ES AC04	Structural Insulated Panels	Universal Test Machine, Concentrated Load Rack, Uniform Load Machine, Linear Measurement Device
Prefabricated Wood I-Joists (Test Methods Referenced Section 4.0 (Except Sections 4.2.3 and 4.4.2))	ICC ES AC14	Wood I-Joist	Universal Test Machine, Load Cell, Linear Measurement Device
Structural Wood-Based Products (Test Method Referenced in Section 3.0 (Except Section 3.5.2))	ICC ES AC47	SCL	Universal Test Machine, Load Cell, Linear Measurement Device
Rim Board Products (Test Method Referenced in Sections 3.0 and 4.0)	ICC ES AC124	Rim Board	Universal Test Machine, Load Cell, Linear Measurement Device
Wood Structural Panels (Test Methods Referenced in Section 4.0)	ICC ES AC182	Wood Structural Panels	Universal Test Machine, Load Cell, Linear Measurement Device
Structural Plywood (Sections 5.7, 5.8.6, 5.8.7, 5.9, 5.10, 5.11, and 6.0)	United States Department of Commerce Product Standard PS-1	Plywood	Vacuum/Pressure Tank, Universal Test Machine, Soak Tank, Boil Tank, Globe Tester, Linear Measurement Device, QL-2, Load Cell, Impact Weighted Bag, Loading Disks, Deflection Gage, Uniform Load Machine, Balances, Drying Oven, Conditioning Chamber, Large Panel Bending Machine

Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Performance Based Standard for Wood-Based Structural Use Panels (Sections 5.3, 5.4, 6.0, 6.2.5.1, and 7.0)	United States Department of Commerce Product Standard PS-2	Wood Structural Panels	Vacuum/Pressure Tank, Universal Test Machine, Soak Tank, Boil Tank, Globe Tester, Linear Measurement Device, QL-2, Load Cell, Impact Weighted Bag, Loading Disks, Deflection Gage, Uniform Load Machine, Balances, Drying Oven, Conditioning Chamber, Dead Weight Stiffness, Large Panel Bending Machine



Jason Stine, Vice President

