Equipment & Facilities

- Field sites for AWPA E-7 stake test (Formosan termites and decay), AWPA E-16 (horizontal lap-joint), AWPA E-XX (anti-sapstain field test)
- Laboratory facilities for AWPA E1 (termite jar), E-10 (soil block), E11 (leaching) and E24 (mold) tests.
- Wood weathering facilities.
- Lab-scale pressure treating cylinders.
- X-ray preservative analyzer (Oxford Twin-X).
- State-of-the-art facilities for wood and plastics composites manufacturing and testing (e.g., presses, mat former, blender, injection molding machine, twin-screw extrusion machine, universal testing machine, etc.).
- SEM, ICP and HPLC available on LSU Baton Rouge campus.

How Can We Help You?

The Louisiana Forest Products Development Center (LFPDC) offers a complete array of wood durability testing.

The Formosan subterranean termite (*Coptotermes Formosanus,* Shirak) is an aggressive insect that has been introduced to the Gulf South and has led to significant damage to wooden structures

Wood used in the Gulf South MUST BE DURABLE!

The LFPDC offers product development and testing for resistance to termites, fungi, and mold.

LFPDC scientists have a broad wood science background and a large wood durability

Louisiana Forest Products Development Center

Wood Durability Laboratory

Service & Reliability

ASTM INTERNATIONAL

IAS ACCREDITED

AWPA

WDMA Window & Door Manufacturers Association

School of Renewable Natural Resources

LSU AgCenter Research & Extension

Wood Durability Laboratory

Why Choose Us For Your Wood Testing Needs?

- International Accreditation Service (IAS) accredited laboratory
- State-of-the-art laboratory facilities
- Over 25 years combined experience
- Internationally recognized scientists

All tests include a report that details the procedures, discusses the results, and provides a statistical analysis of the data.

We Test for Mold, Decay & Formosan Termite Resistance

AWPA Tests

- E-1 Jar Test with Formosan termites
- E-7 Field Stake tests in known Formosan termite colonies
- E-10 Soil block
- E-11 Leaching
- E-12 Corrosion
- E-16 Horizontal lap joints
- E-22 Accelerated wood decay
- E-23 Wood preservatives in soil contact
- E-24 Mold
- E-XX (Anti-Sapstain)

Composite Panel Fabrication & Testing

Oriented strandboard (OSB), wood plastics composites, and other wood-based composite panels can be fabricated using your proprietary preservative

ASTM Standards Testing

- Composites and Solid Wood
- Most ASTM Standards
- Mechanical and Physical Properties
- D 3345, D 1758, D 143, D 1037

Window & Door Manufacturers Association

- WDMA TM-1-94 (06) Wood Decay
- WDMA TM-2-99 (06) Water-Repellent Effectiveness

IAS ACCREDITED

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