

## Equipment & Facilities

- ◆ Field sites for AWPA test: E5 marine applications, E7 stake test (Formosan termites & decay), E9 L-joint, E16 (horizontal lap-joint), E18 ground proximity (decay), E21 interior applications, E26 ground proximity (termites) E29 anti-sapstain.
- ◆ Laboratory facilities for AWPA test: A9 X-ray, E1 (termites), E10 (soil block), E11 (leaching), E12 (metal corrosion), E20 (soil depletion) and E24 (mold).
- ◆ All equipment calibrated w/certificates
- ◆ Wood weathering facilities.
- ◆ Lab-scale pressure treating cylinders.
- ◆ Instron for mechanical testing.
- ◆ 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.



Termite jar test



Environmental  
Mold  
Chambers

## *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 database to help interpret new data and guide industrial research needs.

Let us help you with your wood testing needs.



Termite removal

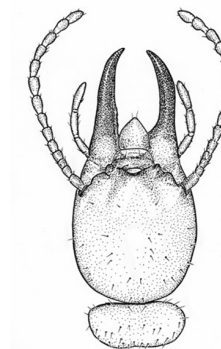


Laminar Flow Hood



Baton Rouge,  
Louisiana.

Field site testing for Subterranean termite, decay, Termiticide, soil depletion, and more.



Wood  
Durability  
Laboratory

*Service & Reliability*



**AWPA**

**LSU**  
**AgCenter**  
Research & Extension



## Wood Durability Laboratory

### Why Choose The WDL For Your Wood Testing Needs?

- ◆ International Accreditation Service (IAS) accredited laboratory
- ◆ State-of-the-art laboratory facilities
- ◆ Over 30 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.
- ◆ Payment is not made until the end of the test when we are confident the data are valid.



Decay fungi inoculation



5582 Instron machine



Conditioning Chamber



Formosan termites

## We Test for Mold, Decay, wood & composite strength, Formosan Termite Resistance, & More

### AWPA Tests

- ◆ A9 X-ray spectroscopy
- ◆ E1 Jar Test with Formosan termites
- ◆ E5 Marine applications, panel & block
- ◆ E7 Field Stake tests (FST colonies)
- ◆ E9 Above ground L-joint test
- ◆ E10 Soil-block culture test (decay)
- ◆ E11 Preservative leaching
- ◆ E12 Metal corrosion w/treated wood
- ◆ E16 Horizontal lap joints
- ◆ E18 Ground proximity decay test
- ◆ E20 Soil contact depletion test
- ◆ E21 Interior applications field test
- ◆ E22 Accelerated wood decay
- ◆ E23 Wood preservatives in soil contact
- ◆ E24 Mold growth resistance
- ◆ E26 Ground proximity termite test
- ◆ E29 Anti-Sapstain field test

### Composite Panel Fabrication & Testing

Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC257. WDL-SOP-25-field evaluation of Termiticide against Subterranean Termites. Sections 3, 4.1, 4.2, and 4.3 of ICC-ES Acceptance Criteria AC380

### ASTM Standards Testing

- ◆ Composites and Solid Wood
- ◆ Most ASTM Standards
- ◆ Mechanical and Physical Properties
- ◆ D143, D1037 D1413, D1758, D2481, D3043, D3273, D3345, D4445, D4761, D5456, and D5516

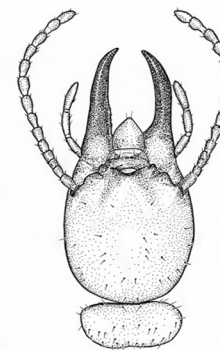
Contact us for pricing

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# Wood Durability Laboratory

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