



MicroPro™

MicroPro™ Treated Wood Facts

Viance Treated Wood Alert

- The Viance field stake test procedure did not follow AWPAs standardized protocols. The Viance stake test is not a recognized industry procedure for evaluating long term performance of wood preservatives.
- There is very little published information available on the Japanese test site in the Viance study. To our knowledge, this Tanegashima Islands test site has never been used to produce efficacy data in support of commercializing a new wood preservative in the U.S.

Long-Term Field Testing, according to AWPAs standardized methods, demonstrate that MicroPro performs similarly to ACQ.

- Timber Products Inspection Service (TPI) has inspected MicroPro and ACQ treated wood at the Gainesville, Florida test site managed by the University of Florida.

Photographs below show the following:

- University of Florida stake test site
- The actual stake test site
- The treated stake inspection by TPI
- Four year old** 3/4" stakes treated with MicroPro and ACQ showing effective protection against fungal decay and termite attack
- Five year old** Fahlstrom stakes treated with MicroPro showing effective protection against fungal decay and termite attack.

Gainesville, Florida Test Site



Test Stakes at Site



Inspection and Evaluation by TPI



Ground Contact Area



MicroPro 0.38 pcf
Installed: 2004
Stake No. 04-102

Ground Contact Area



MicroPro 0.38 pcf
Installed: 2004
Stake No. 04-092

Ground Contact Area



ACQ 0.44 pcf
Installed: 2004
Stake No. 04-016



MicroPro™

Ground Contact Area



MicroPro 0.39 pcf

Installed: 2003

Stake No. 03-0889

Ground Contact Area



MicroPro 0.39 pcf

Installed: 2003

Stake No. 03-0888

The TPI inspection results show that MicroPro is providing effective protection similar to ACQ material treated at similar retention levels.

- Michigan Technological University, Hilo and Oahu, HI test site – MTU has independently evaluated MicroPro treated wood at their site for approximately **four years**. The MTU results show that MicroPro and ACQ treated wood have shown similar and effective protection against fungal decay and termite attack.
- Commonwealth Scientific and Industrial Research Organization (CSIRO) Australia conducted testing on MicroPro treated wood for termite resistance against two aggressive species of termites. The test results show that MicroPro treated wood provided excellent termite protection similar to ACQ.
- Mississippi State University (MSU), Gainesville, FL test site – MSU has inspected Micronized Copper Azole (MCA) at the Florida test site managed by the University of Florida.
 - ☐ After **three years**, the MSU inspection results show that MCA treated wood **is outperforming** ACQ wood at both above ground and ground contact retention levels for fungal decay and termite attack.

AWPA Standardized Laboratory Tests

- MicroPro treated wood has been tested in over 20 AWPA standardized tests, including fungal decay and termite resistance.
- Mississippi State University conducted laboratory testing on MicroPro treated wood for fungal decay and termite resistance. Conclusion: MicroPro performed similar to ACQ treated wood for resistance to fungal decay and termite attack.
- Forintek (Canadian Wood Product Research Institute) conducted laboratory testing on MicroPro treated southern pine for fungal decay resistance. Conclusion: MicroPro performed similar to ACQ for resistance to fungal decay.
- New Zealand Forest Research Institute conducted laboratory testing on MicroPro for soft rot and decay resistance. Conclusion: MicroPro outperformed ACQ in resistance to soft rot and decay.
- Commonwealth Scientific and Industrial Research Organization (CSIRO, Australia) conducted laboratory testing on MicroPro treated wood for fungal decay resistance. MicroPro performed similar to ACQ and CCA treated wood for resistance to fungal decay attack.
- Forestry and Forest Products Research Institute of Japan and University of British Columbia, Centre for Advanced Wood Processing, Canada, conducted an independent study on MicroPro pressure treated wood. This independent study demonstrated that MicroPro and ACQ treated wood showed a similar level of copper in the cell wall, the S2 layer, and the middle lamella of southern pine.
- Forintek (Canadian Wood Product Research Institute) conducted a micro distribution study of wood treated with copper formulations. Conclusion: This independent study concluded that the MicroPro and ACQ showed similar levels of copper in the cell walls and middle lamella of southern pine.



MicroPro™

MicroPro Commercial Performance

- MicroPro treated wood products have been sold in the U.S. for **over two years**.
- Since MicroPro's introduction, **over 3 billion board feet** have been produced.
- To date, there have been **no claims** against MicroPro treated wood for fungal decay or termite attack.
- Osmose backs MicroPro treated wood with a **Lifetime Residential and Agricultural Limited Warranty**. See warranty for details.
- MicroPro products have been reviewed by the International Code Council and meet all major building code requirements, as reported in ESR-1980.

MicroPro Treated Wood Benefits

- Very low corrosion
- Aluminum contact approved
- Desirable lighter wood color
- Lower copper leaching
- The Osmose MicroPro technology is the first and only wood preservative to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems

For more information, call 1-800-585-5161 or visit www.osmose.com