



# MicroPro®

## Important Information

- MicroPro®/Smart Sense® pressure treated wood has corrosion rates on metal products similar to CCA (chromated copper arsenate) pressure treated wood and untreated wood. Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use. For interior or exterior applications, use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use. As with any good design and construction practices, MicroPro treated wood should not be used in applications where trapped moisture or water can occur. Where design and or actual conditions allow for constant, repetitive, or long periods of wet conditions, only stainless steel fasteners should be used. When using aluminum products in conjunction with MicroPro/Smart Sense treated wood, refer to the MicroPro/Smart Sense Fastener and Hardware Information Sheet for additional information.
- Do not burn preserved wood.
- Wear a dust mask and goggles when cutting or sanding wood.
- Wear gloves when working with wood.
- Some preservative may migrate from the treated wood into soil/water or may dislodge from the treated wood surface upon contact with skin. Wash exposed skin areas thoroughly.
- All sawdust and construction debris should be cleaned up and disposed of after construction.
- Wash work clothes separately from other household clothing before reuse.
- Preserved wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.
- Do not use preserved wood under circumstances where the preservative may become a component of food, animal feed, or beehives.
- Do not use preserved wood as mulch.
- Only preserved wood that is visibly clean and free of surface residue should be used.
- If the wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.
- Disposal Recommendations - Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with federal, state, and local regulations.
- If you desire to apply a paint, stain, clear water repellent, or other finish to your preservative treated wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend you apply the finishing product to a small exposed test area before completing the entire project to insure it provides the intended result before proceeding.
- Projects should be designed and installed in accordance with federal, state, and local building codes and ordinances governing construction in your area and in accordance with the National Design Specifications (NDS) and the Wood Handbook.
- Mold growth can and does occur on the surface of many products, including untreated and treated wood, during prolonged surface exposure to excessive moisture conditions. To remove mold from the treated wood surface, wood should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mold. For more information visit [www.epa.gov](http://www.epa.gov).



# Smart Sense®

Micronized Copper Quaternary



Treated Wood Process  
SCIENTIFIC CERTIFICATION SYSTEMS  
SCS-EPP-01514 | SCS-EPP-01699

For more information, call 1-800-585-5161 or visit [www.osmosewood.com](http://www.osmosewood.com)

MicroPro/Smart Sense pressure treated wood products are treated with Micronized Copper Quaternary Compounds. MicroPro/Smart Sense treated wood products are produced by independently owned and operated wood treating facilities. MicroPro®, MicroShades® and Osmose® are registered trademarks of Osmose, Inc. Colors shown in photo images may differ from actual product samples tested. \*Treated Wood Just Got Greener® is a service mark of Osmose, Inc. © 1\_2009-TP 20-210-SMA-1000000 \* See MicroPro / Smart Sense Fastener and Hardware Information Sheet. \*\* See MicroPro / Smart Sense Limited Warranty for details.

The MicroPro Treated Wood Process is certified under SCS's Environmentally Preferable Product (EPP) program based on Life-Cycle Assessment.

# MicroPro®



## Revolutionary Technology

Smart Sense® brand treated wood products use the MicroPro® technology, which is a revolutionary way to pressure treat wood for decks, fences, landscaping, and general construction uses. MicroPro technology offers many benefits, including significantly improved corrosion performance. MicroPro/Smart Sense pressure treated wood with the MicroPro technology exhibits corrosion rates on metal products similar to CCA pressure treated wood and untreated wood.

MicroPro/Smart Sense pressure treated wood products are protected from termites and fungal decay and are backed by an Osmose® Residential and Agricultural Limited Warranty Program (See warranty for details).

- **15 year Limited Warranty for Fencing boards and Pickets.**
- **Lifetime Limited Warranty for Above Ground general uses.**
- **Lifetime Limited Warranty for Ground Contact and Fresh Water general uses.**

## MicroPro Treated Wood Appearance

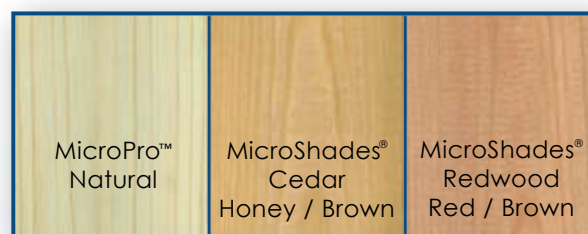
MicroPro/Smart Sense pressure treated wood is lighter in color compared to current copper based treated wood products. The unique appearance of MicroPro/Smart Sense treated products will help differentiate the product in the marketplace. The attractive color allows DIYers and contractors to build pressure treated projects using treated wood that is lighter, fresher, and more natural in appearance.

MicroPro/Smart Sense treated wood products are also available in popular consumer colors similar to redwood and cedar products with the new MicroShades® color pigment system.

Osmose MicroShades is the only pigmented colorant system that can be used as an "in-solution" system specifically developed for wood treated with the MicroPro preservative. Osmose water repellent additives are also available with the new MicroPro copper system.

## Building Code Compliance

MicroPro/Smart Sense products, as described in the ICC Evaluation Services, Inc. ESR -1980, meet all major model building code requirements.



### End Use Classifications for MicroPro/Smart Sense Pressure Treated Wood Products

**General Use - Above Ground**  
Examples - decking, joists, beams, and sills

**Ground Contact and Fresh Water Contact**  
Examples - decks, fence posts, and docks

**Ground Contact - Critical Structural Members**  
Examples - building poles, permanent wood foundations

## EPP (Environmentally Preferable Product) Highlights and Benefits

**First Wood Treatment Process to Receive EPP Status** – The Osmose MicroPro technology is the first treated wood process to be certified under Scientific Certification Systems Environmentally Preferable Product (EPP) program based on Life-Cycle Assessment.

**Reduced Energy Use** – The Osmose MicroPro treated wood process reduces total energy use by approximately 80% and greatly reduces greenhouse gas emissions.

**Largely Eliminates Copper Releases** – Wood products treated with the Osmose MicroPro process result in the release of 90% to 99% less copper into aquatic and terrestrial environments when compared to standard treated wood products. The very small amount released bonds readily to organic matter in the soil and becomes biologically inactive, thus effectively eliminating eco-toxic impacts.



Treated Wood Process  
SCS-CERTIFIED ENVIRONMENTALLY PREFERABLE  
SCS-EPP-01514 | SCS-EPP-01699

## MicroPro® Treated Wood Advantages

- Long term field testing shows that MicroPro/Smart Sense treated wood provides effective protection against fungal decay and termite attack.
- First Wood Treatment Process to Complete Life-Cycle Assessment Studies - The Osmose MicroPro wood treatment process systems were analyzed by Scientific Certification Systems under an exhaustive environmental review process called Life-Cycle Assessment (LCA), in accordance with rigorous international standards set by ISO, the leading international standards setting organization. The MicroPro LCA studies are in compliance with ISO standards 14044 and 14025.
- Lighter, more natural wood appearance.
- Improved painting and staining qualities.
- Better corrosion resistance for code-approved fasteners and hardware.
- End uses include interior and exterior above ground, ground contact, and fresh water immersion.
- MicroShades®, innovative micronized pigment color choices - pressure treated wood colors similar to redwood & cedar.
- Treated wood warranty programs (See warranty for details).
- Approved for aluminum contact.\*
- Building code compliant. ICC - ES Reports, ESR-1980.

