



# MicroPro®

## Important Information

- MicroPro®/LifeWood® 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. When using aluminum products in conjunction with MicroPro/LifeWood treated wood, refer to the MicroPro 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).

## Application Information

- Fasteners - MicroPro® technology offers many benefits including significantly improved corrosion performance. LifeWood® brand pressure treated wood with MicroPro technology exhibit corrosion rates on metal products similar to CCA pressure treated wood and untreated wood.  
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.  
Fasteners (and other metal products) for use with LifeWood preserved wood products include:  
- Stainless Steel  
Stainless steel fasteners and connectors are recommended for use with treated wood in other severe exterior applications such as swimming pools, salt water exposure, etc.  
- Type 304 and 316 are the recommended grades to use.  
- Other fasteners and hardware as recommended by the manufacturer  
There may be additional products (other than stainless steel or hot-dip galvanized) which are suitable for use with LifeWood treated wood. Please consult with the individual fastener or hardware manufacturer for recommendations for use of their products with LifeWood treated wood.
- When appearance permits, attach boards bark side up. As a general rule, attach boards bark side up (annual rings arc upward) to reduce cupping; however, the best face should be placed up when a defect of the wood is apparent. Fasten thin boards to thicker boards to maintain structural integrity.
- Drill pilot holes - Drill pilot holes especially when nailing or screwing near the edge or end of a board. Pilot holes will help minimize splitting.
- Deck board spacing - Should the wood become wet during construction, butt deck boards together. As drying occurs, some shrinkage can be expected. If the wood is dry, allowing for shrinkage is not necessary.
- Use an endcoat preservative - Brush-on endcoat wood preservative is recommended on all saw cuts and into drill holes during construction of wood projects. Also apply on areas where moisture can collect. Follow manufacturer's recommendations.
- Apply a weather-resistant finish - Any exposed wood, pressure treated or not, should be protected from the weather. Application of a quality clear water repellent or semi-transparent stain, which contains water repellent, will help minimize the cycles of moisture take-up and loss the wood goes through outdoors. First, determine if your LifeWood product has been pressure treated with a factory applied water repellent by looking at the end tag. If not factory water repellent treated, thoroughly clean your project with a deck cleaning product. Clear water repellent can be immediately applied to your deck or other project. If you choose to use a semi-transparent stain which contains a water repellent, you need to first check that your project is surface dry. Either wait until the surface is dry or immediately apply clear water repellent and wait approximately 8 weeks and then apply your chosen color of semi-transparent stain.  
If the LifeWood products contain a factory water repellent, an oil based stain can be applied in 30 - 60 days and water based stains can be applied after 6 months. Check that the wood is surface dry before applying stain. In all instances follow the manufacturer's directions when applying water repellents or semi-transparent stains which may contain water repellent.



# LifeWood®

## Micronized Copper Azole

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)

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



# MicroPro®



## Revolutionary Technology

LifeWood® 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/LifeWood pressure treated wood with the MicroPro technology exhibits corrosion rates on metal products similar to CCA pressure treated wood and untreated wood.

MicroPro/LifeWood 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).

- **Lifetime Limited Warranty for Above Ground general uses.**
- **Lifetime Limited Warranty for Ground Contact and Fresh Water general uses.**

## MicroPro Treated Wood Appearance

MicroPro/LifeWood pressure treated wood is lighter in color compared to current copper based treated wood products. The unique appearance of MicroPro/LifeWood 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/LifeWood 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 MicroPro system.

## Building Code Compliance

MicroPro/LifeWood products, as described in the ICC Evaluation Services, Inc. ESR-2240, meet all major model building code requirements.



**LifeWood®**



End Use Classifications for MicroPro Pressure Treated Wood Products
<b>General Use - Above Ground</b> Examples - decking, joists, beams, and sills
<b>Ground Contact and Fresh Water Contact</b> Examples - decks, fence posts, and docks
<b>Ground Contact - Critical Structural Members</b> 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.



## MicroPro® Treated Wood Advantages

- Long term field testing shows that MicroPro/LifeWood 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-2240.

