



Allweather Wood®

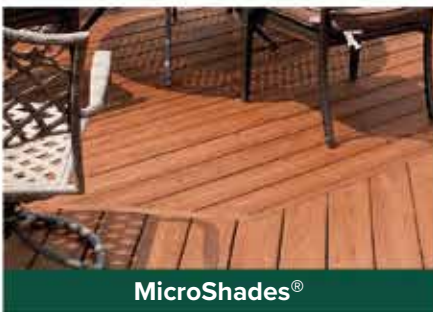
Featuring MicroPro® Wood Preservation Technology



Better Corrosion Protection



Approved for Aluminum Contact



MicroShades®

FEATURES AND BENEFITS

- Lighter, more natural wood appearance
- Improved painting and staining qualities
- Achieved four third-party environmental certifications
- Better corrosion resistance for code-approved fasteners and hardware*
- Carbon steel fasteners may be used for interior, above ground, weather-protected applications such as sill plates, interior framing and interior trusses*
- Approved for aluminum contact*
- End uses include interior and exterior above ground, ground contact, and freshwater immersion
- MicroShades®, innovative micronized pigment color choices – pressure treated wood colors similar to redwood & cedar
- Pressure treated wood warranty programs
- Building code compliant; ICC-ES Report, ESR-2240
- American Wood Protection Association (AWPA) standardized wood preservative

* See MicroPro Fastener and Hardware Information Sheet



TREATED WOOD PROCESS



Home Innovation
NGBS GREEN CERTIFIED™



ENVIRONMENTAL CERTIFICATIONS

- SCS Certified™ – The Micronized Copper Pressure Treated Wood Process is certified under SCS’s Environmentally Preferable Product (EPP) program based on Life-Cycle Assessment.
- Home Innovation NGBS Green Certified™ – The MicroPro wood preservation technology has been approved for points toward National Green Building Certification to the National Green Building Standard. Wood products treated with MicroPro wood preservation technology are now eligible for more green building points than any other treated wood product in the market.
- UL GREENGUARD GOLD Certification – The MicroPro preservative technology has undergone rigorous testing and met stringent standards for low volatile organic compound (VOC) emissions. Products certified to this criteria are suitable for use in schools, offices, and other sensitive environments.
- Global GreenTag Certification™ – MicroPro Wood Treatment Technology from Koppers Performance Chemicals has achieved excellent ratings after undergoing two rigorous, independent third-party assessment processes by world-leading product certification body Global GreenTag International. The Global GreenTag certification designates good health, and the MicroPro Wood Treatment Technology has achieved a Level A, the highest score, under Global GreenTag’s GreenRate™ product sustainability certification system.

FASTENERS AND HARDWARE RECOMMENDATIONS

Wood pressure treated with MicroPro wood preservation technology exhibits corrosion rates on metal products similar to untreated wood. Use fasteners and hardware that follow the manufacturer’s recommendations and the building codes for their intended use.

kopperspc.com/micropro/fasteners-and-hardware-info.html



WARRANTY

Wood products pressure treated with MicroPro wood preservation technology are backed by a Residential and Agricultural Limited Warranty against fungal decay, termite and borer attack.

kopperspc.com/micropro/micropro-warranty.html



IMPORTANT INFORMATION

Please access the link below or QR code to read before handling treated wood. Guidelines for the proper use, handling, and disposal of treated wood products, along with important application and installation information. Many of these precautions also apply to untreated wood and other building materials. These guidelines contain compliance information required by the California Department of Toxic Substances Control.

kopperspc.com/micropro/important-information.html



For information on how to safely dispose of treated wood waste in California.
twwdisposal.org/



Allweather
Wood®



Performance
Chemicals

www.kopperspc.com

www.allweatherwood.com



TREATED WOOD INSTALLATION TIPS

Pressure treatment solutions contain water, preservatives and enhancements that are pressure impregnated into the wood. During the treating cycle, a final vacuum step helps remove excess water and treating solution from the wood, however the wood will still remain damp. As the wood continues to air dry, a certain amount of shrinkage must be accepted. Allowing adequate time for the lumber to air dry prior to beginning your project may help lessen the effects due to the reduction in size the wood may undergo.

Pressure treated wood is protected from rot, decay and termites. Over time, the natural effects of weathering can cause cracking, splitting, warping or graying of the wood's surface. A protective water repellent or stain should be applied periodically.



Fastener & Hardware

See product End Tag for information and guidelines regarding correct use of fasteners and hardware for the treated wood product you are using. Specific precautions are required with some preservative products when selecting nails, screws and other hardware, and when used in contact with aluminum building materials. Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use.

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.



Deck board spacing

Freshly treated "wet" wood – Most pressure treated wood will be wet when purchased. When using freshly treated decking boards that are wet, butt the deck boards together. As the wood dries, some shrinkage can be expected, creating the necessary gaps between the boards.



Kiln Dried After Treatment treated wood. Often called, KDAT. – When using wood that has been "Dried After Treatment", allowing for shrinkage is not necessary. Allow a 1/8" gap (the thickness of an 8-penny nail) between the boards when attaching, since the wood will expand slightly over time.

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.



Apply a weather-resistant finish

Any exposed wood, pressure treated or not, should be protected with a quality water repellent or exterior stain to help reduce weathering characteristics such as warping, checking and splitting. The sequence of wetting and drying, along with the accompanying swelling and shrinking, may cause surface checks to form, contributing to weathering of the surface.

Finishing products such as water repellents and stains can generally be applied to new pressure treated lumber products once the surface is dry. This can be determined by sprinkling a few drops of water onto the wood. If the water is absorbed rapidly, apply a protective finish immediately. If the water is not readily absorbed, wait a few days and test again before applying the finishing product. Note: check the end tag to see if the treated wood includes a factory-applied water repellent. Oil-based stains can be applied after 30-60 days and water-based stains after 6 months, once surface is dry.



If you desire to apply a protective finish to your treated wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, test the product on a small unexposed area before finishing the entire project to ensure it provides the intended result before proceeding.



TREATED WOOD FASTENERS & HARDWARE

MicroPro® wood preservation technology offers many benefits including significantly improved corrosion performance. Wood pressure treated with MicroPro wood preservation technology exhibits corrosion rates on metal products similar to 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, pressure 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.
- **For exterior applications:** The following minimum galvanization levels may be used for connectors, joist hangers, fasteners and other hardware that are placed in direct contact with exterior applications of pressure treated wood which utilizes MicroPro wood preservation technology:

Fasteners – nails, screws, etc. ASTM – A 153 (1 oz/ft²) Hardware – connectors, joist hangers, etc. ASTM – A 653 G90 (0.90 oz/ft²)

The effects of other building materials within a given assembly, along with environmental factors, should also be considered when selecting the appropriate hardware and fasteners to use for a given project containing treated wood.

Stainless Steel fasteners and hardware are required for Permanent Wood Foundations below grade and 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 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 wood pressure treated with MicroPro wood preservation technology. Please consult with the individual fastener or hardware manufacturer for recommendations. In addition, carbon steel fasteners may be used for interior, above ground, weather-protected applications such as sill plates, interior framing and interior trusses.

Aluminum building products may be placed in direct contact with wood products pressure treated with MicroPro wood preservation technology used for interior uses and above ground exterior applications such as:

- Decks • Fencing • Landscaping projects

Examples of aluminum products include siding, roofing, gutters, door and window trim, flashing, nails, fasteners and other hardware connectors. However, wood products pressure treated with MicroPro wood preservation technology used in direct contact with aluminum products should only be used in code compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to, or remain in contact with a continual moisture source, standing water or water immersion. In addition, the pressure treated wood should not be encased, sealed, or wrapped with aluminum products where trapped moisture or water can occur so as to avoid pitting or other unwanted results.

We recommend you contact the aluminum building product manufacturer for their recommendations regarding their aluminum products in contact with wood products pressure treated with MicroPro wood preservation technology used in ground contact applications or when the pressure treated wood is exposed to:

- Salt water • Brackish water • Chlorinated water, such as swimming pools or hot tubs

Also check with the aluminum product manufacturer regarding compatibility with other chemicals and cleaning agents.

Contact Koppers Performance Chemicals Inc. for further information on aluminum contact use in commercial, industrial and specialty applications. www.kopperspc.com

MicroPro® Wood Preservation Technology

Product Highlights, Life-Cycle Assessment & Environmentally Preferable Product (EPP) Benefits



TREATED WOOD PROCESS

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



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

First Wood Treatment Process to Complete Life-Cycle Assessment Studies – The 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. These studies are in compliance with ISO standards 14044 and 14046.

Reduced Energy Use – The 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 MicroPro wood preservation technology process result in the release of 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.

Reduced Air Emissions – The solution containing the MicroPro micronized copper wood preservative is four times more concentrated than the industry standard. As a result, fewer trucks are required for transport. Fewer trucks, combined with the absence of monoethanolamine (MEA) in the production process, result in a reduction of air pollutants from tailpipe emissions and associated impacts, including: soot, nitrous oxide, volatile organic compounds (VOC's), particulate matter, and reduced impacts of acid rain, smog, and oceanic acidification.

Reduced Greenhouse Gas Emissions – The absence of MEA in the production process, combined with the reduced use of fuel and fewer trucks, means that using MicroPro technology in lieu of standard wood treatment formulations reduces an estimated 20,000 tons or more of greenhouse gas emissions each year. (This is the equivalent to the annual emissions of approximately 2,200 SUV's.)

SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

Koppers Performance Chemicals

1016 Everee Inn Road, Griffin, GA, United States; Millington, TN; Rockhill, NC

For the following product(s):

MicroPro[®] Wood Treatment Technology
(Micronized Copper Azole)

The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s):

Environmentally Preferable Treated Wood Process
based on Life-Cycle Assessment

Registration # SCS-EPP-01699a
Valid from: June 27, 2008 to April 30, 2026



TREATED WOOD PROCESS