

MicroPro™

Important Application Information

• Fasteners - MicroPro® technology offers many benefits including significantly improved corrosion performance. Smart Sense® brand pressure treated wood with MicroPro technology exhibits 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 Smart Sense 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 Smart Sense and treated wood. Please consult with the individual fastener or hardware manufacturer for recommendations for use of their products with Smart Sense 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 Smart Sense 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 Smart Sense 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.

Important Information

• Smart Sense brand pressure treated wood has corrosion rates on metal products similar to CCA 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 Smart Sense brand 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.

Residential & Agricultural Limited Warranty



Smart
Sense®



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

Treated Wood Process
SCS CERTIFICATION SYSTEM
SCS-EPP-0154 | SCS-EPP-0169

For more information contact your distributor,
call 1-800-241-0240, or visit 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 technology is patent pending. Osiose®, MicroPro®, and Smart Sense® are registered trademarks of Osiose, Inc. © 1/2009 20-230-SMA-3000000 - TP

THE MICROPRO®/SMART SENSE® RESIDENTIAL & AGRICULTURAL LIMITED WARRANTY

Original consumer purchasers or “first-owners” of specific Smart Sense® brand wood products are eligible for this LIMITED WARRANTY. Subject to all the terms and conditions of this warranty, Osmose®, Inc. (Osmose) will replace any Smart Sense brand wood products produced by a licensed independently owned and operated treating facility used in, or in conjunction with, residential or agricultural applications that “structurally fail”* in service due to rot, fungal decay, or termite attack during the warranty term.

“FIRST-OWNER” COVERAGE

To qualify for the Smart Sense NONTRANSFERABLE RESIDENTIAL & AGRICULTURAL LIMITED WARRANTY, you must be the owner-of-record of the property at the time Smart Sense brand wood products were installed, or if the Smart Sense brand wood products were installed by a builder-contractor-owner, “first-owner” means the owner-of-record first acquiring the property from the builder-contractor-owner. The Smart Sense warranty is not transferable from the first-owner to subsequent owners of the property.

TO IDENTIFY A SMART SENSE BRAND WOOD PRODUCT, LOOK FOR THE SMART SENSE END TAG OR INK STAMP

It's easy to identify warranted Smart Sense brand wood products. Simply look for the plastic end tag or ink stamp on each piece of Smart Sense brand wood. Make sure you receive and retain all Smart Sense proof-of-purchase certificates or end tags, as well as the original purchase invoice(s) from your dealer or contractor. In the event of a claim, it will be necessary to present this documentation for all materials claimed.



WHAT THE WARRANTY COVERS

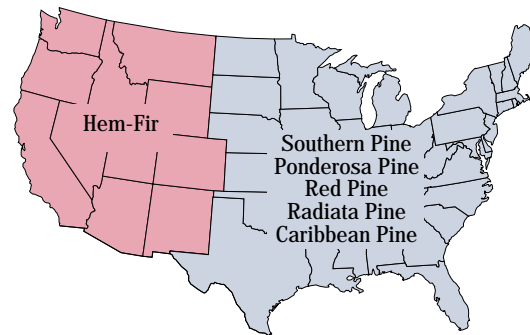
The Smart Sense Limited Warranty covers only Smart Sense brand wood products from the date of purchase by the first-owner against structural failure caused by fungal decay or termites. *For purposes of this warranty, structural failure is defined as the inability of a given member to perform its intended function due to rot, fungal decay, or termite attack. The terms “rot” and “fungal decay,” as used in this warranty, mean attack by wood-destroying fungi that disintegrate the wood cell walls, but exclude surface mold, mildew, and/or fungi associated with the “weathering” of wood. “Weathering” of wood is not decay, fungal decay,

or rot of any type or definition. The obligation of Osmose under the terms of this warranty, in Osmose’s sole discretion, is limited to replacement or refund up to the original purchase price of Smart Sense brand wood products.

Term(s) of Warranty – Smart Sense brand treated wood products:

A 15 year Limited Warranty for Smart Sense brand Micronized Copper Quaternary treated fencing boards and pickets for ABOVE GROUND (treated to minimum 0.10 pcf preservative retention level). A Lifetime Limited Warranty for Smart Sense brand Micronized Copper Quaternary treated wood products for ABOVE GROUND GENERAL USE (treated to minimum 0.15 pcf preservative retention level) used in residential or agricultural applications and GROUND CONTACT (treated to minimum 0.34 pcf preservative retention level) used in residential or agricultural applications.

WESTERN HEARTWOOD
SMART SENSE SPECIES***



EASTERN SAPWOOD
SMART SENSE SPECIES

***Smart Sense warranty coverage for Western Species is limited to the Western states indicated including Alaska, excluding Hawaii.

WARRANTY EXCLUSIONS

Osmose is not responsible for any damage to Smart Sense brand wood products used in commercial or industrial structures, wood foundation systems, wood exposed to salt water, or any cause other than rot, fungal decay, or termite damage. This warranty does not cover building poles or building timbers in structural applications, commercial vineyard stakes, lattice, peeler core landscape timbers, or specialty items that have been milled after treatment.

Osmose is not responsible for any application of Smart Sense brand wood products other than that specified under the appropriate usage as noted on the ink stamp and/or end tag attached to the piece.

Osmose is not responsible for damage to Smart Sense brand wood products caused by the “weathering” of wood, including but not limited to raised grain, splitting, checking,

twisting, warping, shrinkage, swelling, or any other physical property of the wood.

Osmose is not responsible for any costs associated with removal of damaged wood product(s) or delivery or installation of the replacement Smart Sense brand wood product(s).

Osmose is not responsible for any incidental or consequential damages claimed to be a result of damaged or undamaged Smart Sense brand wood products.

Osmose is not responsible for corrosion of fasteners, hardware, or any other material(s), or any damage resulting from such an occurrence.

Osmose is not responsible for delamination of Smart Sense brand plywood or other laminated wood products.

Osmose is not responsible for mold growth on Smart Sense products.

HOW TO MAKE CLAIMS

To make a claim under the terms of this warranty, send a photograph and description of the damage along with the Smart Sense proof-of-purchase certificate and/or the Smart Sense end tag plus a copy of your original purchase invoice to:

OSMOSE, INC. • ATTN: CONSUMER AFFAIRS
P. O. DRAWER O • GRIFFIN, GEORGIA 30224-0249

Osmose will, within sixty (60) days from the date of notice of your claim, and upon receipt of the proper documentation, make arrangements to exchange the damaged wood product(s) for the new Smart Sense brand wood products. Osmose reserves the right to have a representative inspect all wood which is claimed to be damaged prior to its removal from services.

NOTE: The only obligation of Osmose under the terms of this Warranty is limited to replacement of damaged lumber or the monetary equivalent of the failed Smart Sense product up to the original purchase price at the sole discretion of Osmose. Osmose makes no other warranties, express or implied, of merchantability, fitness for a particular purpose, or otherwise. In no event shall Osmose be liable for incidental, consequential, special, or indirect damages. Nothing in this warranty shall affect the duration of implied warranties beyond their customary duration, or create additional implied warranties.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

This warranty is valid only in the United States.