

MicroPro®



REVOLUTIONARY
NEW TECHNOLOGY

HARDWOOD



MICROPRO® TREATED HARDWOOD

MicroPro® is a revolutionary way to preservative treat hardwood timber products for a variety of end uses including decking, deck structures, pergolas and landscaping up to Hazard Class H4.

MicroPro treated timber exhibits a number of benefits compared with conventionally treated timber including lighter, more natural appearance and significantly improved corrosion performance in contact with fasteners and hardware*.

MicroPro treated hardwood products are protected from termites, borers including lyctid borers as well as fungal decay.

MICROPRO TREATED TIMBER APPEARANCE

One of the features of MicroPro treated timber is its lighter more natural appearance compared to some other timber treatments. This is especially important in high value products such as hardwood flooring and decking which have distinct heartwood and sapwood bands.

FASTENERS AND HARDWARE

MicroPro treated timber offers many benefits over some other preservative technologies including significantly improved corrosion performance. MicroPro treated timber exhibits corrosion rates when in contact with metal fasteners and connectors similar to CCA treated timber and untreated timber. In general, always use fasteners and hardware that complies with the manufacturer's recommendations and building regulations for their intended use. See the separate "Fastener and Hardware Information Sheet" for more information.

FLEXIBLE PRODUCTION OPTIONS

MicroPro allows the treatment operator the flexibility to treat a range of hardwood products whether for external decking or flooring with the same treatment solution, safe in the knowledge that it will not effect the appearance qualities of the final machined product. If the hardwood is treated with an H3 solution then this will provide protection during the critical seasoning phase before final machining.

*See fastener and hardware information sheet for details.

walkways



bridges



flooring



ENVIRONMENTALLY PREFERABLE PRODUCT (EPP) PROGRAM HIGHLIGHTS AND BENEFITS

The Osmose MicroPro technology was the first treated timber process to be certified under SCS's Environmentally Preferable Product (EPP) program based on Life-Cycle Assessment.

Reduced Energy Use – The Osmose MicroPro treated timber process reduces total energy use and greatly reduces greenhouse gas emissions.

Largely Eliminates Copper Releases – Timber products treated with the Osmose MicroPro system result in the release of 90% to 99% less copper into aquatic and terrestrial environments when compared to amine copper preservative treated timber 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 is GREENGUARD Children and Schools Certified

Greenguard Children and Schools Certification indicates that a product has undergone rigorous testing and has met stringent standards for VOC emissions. In the USA, products certified to this criteria are suitable for use in schools, offices, and other sensitive environments.

END USE CLASSIFICATIONS FOR MICROPRO PRESSURE TREATED HARDWOOD PRODUCTS

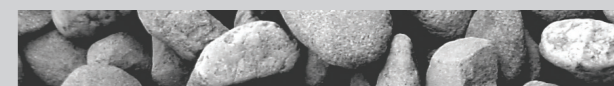
General Use - Above Ground

Examples - internal flooring, external decking, joists, fencing, pergolas and handrails.

Ground Contact

Up to H4
Examples - landscaping products, fence and deck posts

INTERNAL APPLICATIONS				
Hazard Class	Exposure	Service Conditions	Biological Hazard	Typical Uses
H1	Inside, above ground	Completely protected from the weather and well ventilated, and protected from termites	Lyctid borers	Susceptible framing, flooring, furniture, interior joinery
H2	Inside, above ground	Protected from wetting	Borers and termites	Framing, flooring, and similar, used in dry situations
EXTERNAL APPLICATIONS				
Hazard Class	Exposure	Service Conditions	Biological Hazard	Typical Uses
H3	Outside above ground	Subject to periodic moderate wetting	Moderate fungal decay, borers and termites	Weatherboard, fascia, pergolas (above ground), window joinery, framing and decking
H4	Outside, in-ground	Subject to severe wetting	Severe fungal decay, borers & termites	Fence posts, garden wall less than 1m high, greenhouses, pergolas (in ground) and landscape timbers



IMPORTANT INFORMATION

- MicroPro® pressure treated timber has corrosion rates on metal products similar to CCA (chromated copper arsenate) pressure treated timber and untreated timber. For interior or exterior applications, use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building code for their intended use. 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 aluminium products in conjunction with MicroPro treated timber, refer to the MicroPro Fastener and Hardware Information Sheet for additional information.
- Do not burn preserved timber.
- Wear a dust mask and goggles when cutting or sanding timber.
- Wear gloves when working with timber.
- Some preservative may migrate from the treated timber into soil/water or may dislodge from the treated timber 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 re-use.
- Preserved timber 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 timber under circumstances where the preservative may become a component of food, animal feed, or beehives.
- Do not use preserved timber as mulch.
- Only preserved timber that is visibly clean and free of surface residue should be used.
- If the timber 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 timber 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 timber, 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 finishing the entire project to insure it provides the intended result before proceeding.
- Mould growth can and does occur on the surface of many products, including untreated and treated timber, during prolonged surface exposure to excessive moisture conditions. To remove mould from the treated timber surface, timber should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mould.
- Projects should be designed approved and installed in accordance with federal, state and local regulation governing construction in your area.



handrails



Osmose Australia
Customer Support 1800 088 809
www.osmose.com.au