



## MicroPro® PRESERVATIVE TREATED TIMBER

### DESCRIPTION

MicroPro is a micronised copper based preservative treatment system from Koppers Performance Chemicals. MicroPro is a latest generation water-based timber preservative with copper and azole based actives which are pressure treated in fine particle form rather than being dissolved in solution. The formulation of MicroPro results in a number of benefits such as lighter colour, lower leaching of copper than amine copper preservatives, reduced fastener corrosion and compatibility with aluminium products to name a few. This newer treatment technology is used in over 70% of treated timber products in the USA and has been in use in Australia for the last few years.

A micronised pigment may be added to MicroPro which is pressure treated along with the preservatives. The MicroPro treated wood process is certified under Scientific Certification System's Environmentally Preferable Product (EPP) program based on Life-Cycle Assessment. The MicroPro technology has also been awarded the Greenguard Children and Schools Certification.



### SPECIFICATION and BRANDING

In Australia, preservative treated timber is usually specified for the application by Hazard Class as described in the AS/NZS1604 series, the Australian Standard for preservative treated timber. For example in external above ground conditions the Hazard Class would be H3. However the preservative type can also be specified, for example H3 MicroPro.

*Note also that CCA preservative is restricted in some uses such as decks, railings and the like.*

Specifications should also require that the timber is tagged where possible with the a unique number or brand to identify the Treatment Plant or Producer, the Preservative Number and the Hazard Class as required by AS/NZS1604.

The Preservative Number allocated to MicroPro in AS/NZS1604 is "89" or "58" depending on formulation.

This means that MicroPro treated timber will feature a brand in the following format as required by AS/NZS1604:

**099 89 H3**

#### Where:

099 is the plant number

**89 or 58** is the Preservative Number (MicroPro)

**H3** is the relevant Hazard Class.

**099 58 H3**

Where treated timber specifications are formulation specific (e.g. ACQ, CCA etc.), then these may be amended to include or replace with MicroPro. Where specifications are Hazard Class specific (e.g. H3, H4 etc) then no amendment is required.

### SPECIFY MICROPRO in ENVIRONMENTALLY SENSITIVE SITUATIONS

MicroPro is the latest generation timber treatment technology that may be used in the most environmentally sensitive situations.

Wood products treated with the Koppers® MicroPro process result in the release of over 90% less copper into aquatic and terrestrial environments than amine copper preservative systems. The MicroPro technology has been awarded the Greenguard Children and Schools Certification which certifies products for low volatile organic chemical (VOC) emissions that are used in schools, offices and other sensitive environments.

### PRODUCTS and AVAILABILITY

MicroPro treated products are now available through many hardware and timber merchants and availability is expanding.

The most common MicroPro products available include:

1. MicroPro sleepers in various end sections and lengths
2. MicroPro Sienna sleepers incorporating a micronized pigment in various end sections and lengths
3. MicroPro domestic decking
4. Increasing quantities of rural and domestic fence rails, posts and palings

**If you are having difficulty sourcing these products please contact Koppers PC on 1800 088 809.**



## MicroPro® PRESERVATIVE TREATED TIMBER

### 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.

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