



TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: www.frtw.com or 1.800.TEC.WOOD (832.9663)

SPECIFICATIONS

COP-GUARD™ Preservative-Treated Wood

PART 1 - PRODUCT DESCRIPTION AND INFORMATION

Copper naphthenate has been used as an industrial wood preservative since the early 1900's. It is listed in the standards of the American Wood Protection Association (AWPA) and is accepted for use by the United States Department of Agriculture and the United States military. It provides fungicidal and insecticidal protection for wood products in ground contact, and above ground uses. **Cop-Guard™** is wood, pressure treated with copper naphthenate.

Cop-Guard™ treated wood is available for above ground use, ground contact and severe exposure. It is effective against mildew, mold, decay organisms and various termites, including the Formosan Termite.

Cop-Guard™ treated wood presents minimal health or environmental concerns and has a low mammalian toxicity. Cop-Guard™ treated wood removed from service is not a hazardous waste.

PART 2 - TECHNICAL DATA AND SPECIFICATIONS

Treatment Specifications - Treating procedures shall be as specified in AWPA Standards M2 and M3 (current editions). Penetration and retention of preservative shall conform to the appropriate AWPA Use Category. Inspections of material for conformity to the requirements of these specifications shall be in accordance with AWPA Standard M2.

Minimum industry recommendations for **Cop-Guard™** treated wood products applications are listed below:

Use Category	Service Conditions	Retention**
UC3A Above Ground Protected	Exterior construction / above ground / coated and rapid water runoff	0.04 pcf
UC3B Above Ground Exposed	Exterior construction / above ground / un-coated or poor water runoff	0.04 pcf
UC4B Ground Contact / Critical components or difficult replacement	Exposed to all weather cycles, severe environments includes salt water splash	0.075 pcf
UC4C Ground contact / Critical structural components	Exposed to all weather cycles, severe environments, extreme decay potential	0.075 pcf

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**** Retentions may vary with respect to wood specie, form, or exposure. Multiple assay zones may be required for some species or applications. Consult the appropriate Use Category System requirements in the AWWPA Book of Standards for specific information.**

NOTE - These AWWPA standardized retentions will provide adequate insect and decay resistance for the specified Use Category. It is not necessary, or recommended that retentions be arbitrarily increased for any given application.

Freshly treated **Cop-Guard™** will exhibit a bright green to olive color and have an oily odor. The color is from the copper naphthenate, and the odor is from both preservative and the carrier solvent. Under certain conditions **Cop-Guard™** wood may exude surface deposits which will be green in color. This exudation is more likely to happen when higher retention, freshly treated material is placed in bright, hot sunlight and in a vertical position, as in a column. Some exudate may appear on the surface or collect at the base of the column or pool on the surface of the supporting structure. This will cease after the the beam or column has dried. Exudate may be removed from the wood surface by wiping the affected area with a heavy cotton cloth saturated with mineral spirits. Stained surfaces may be cleaned by using a biodegradable cleaning solvent such as Dawn Power Dissolver, with water and either a pressure washer or stiff scrub brush. This will in no way affect the preservative properties or efficacy of the preservative treated wood and does not negate the warranty. See Part 4 Consumer Information and Part 7 Handling and Precautions for additional use / site precautions.

PART 3 - ENGINEERED WOOD PRODUCTS

Cop-Guard™ treated engineered wood products may be used as beams, headers, post, columns and for many other structural applications. There are several advantages to treatment with Cop-Guard™ over water-borne treatments such as:

- No swelling or shrinkage, dimensions unchanged by treatment
- Very little if any checking, cupping, or twisting
- No reduction of design values.

Cop-Guard™ treated engineered wood products shall not be used in any application where it will be submerged in water or in marine applications or where the in service equilibrium moisture content will exceed 16%.

PART 4 - CONSUMER INFORMATION

The following precautions should be taken when handling treated wood and when determining where to use and how to dispose of waste wood.

- Wood treated with **Cop-Guard™** should not be used where it will be in frequent or prolonged contact with bare skin unless an effective sealer has been applied. (Example: chairs and other outdoor furniture.
- Sawn ends, field trimming, and fabrications, holes and or notching should be resealed with a 25% copper naphthenate solution or other commonly used wood preservative available at local home centers under various trade names.
- **Cop-Guard™** treated wood should not be used in UC1 or UC2 residential or other interior applications.
- **Cop-Guard™** treated wood shall not come in contact with felt or tar paper.
- Do not use **Cop-Guard™** treated wood for bee hives.

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- For interiors of farm buildings where domestic animals or livestock will not crib (bite) or lick the wood, **Cop-Guard™** treated wood may be used for building components where two coats of an appropriate sealer are applied. Sealers may be applied at the installation site after drying.
 - Wood treated with **Cop-Guard™** is not suitable for food garden uses.
- Do not use treated wood where the preservative may become a component of food or animal feed.
- Do not use for cutting boards or counter-tops
 - Only treated wood that is visibly clean and free of surface residue should be used for patios, decks, and walkways.
 - **Cop-Guard™** treated wood should not be used where it may come in direct or indirect contact with public drinking water and drinking water for domestic animals or livestock, except for uses involving incidental contact such as docks and bridges.

PART 5 - FASTENERS

Ordinary fasteners may be used with **Cop-Guard™** treated wood in weather protected applications. Corrosion resistant fasteners are required with **Cop-Guard™** treated wood if a connection is made to water borne copper treated wood or if **Cop-Guard™** members are located in severe deterioration zones. Stainless Steel fasteners may be required under wet conditions. Local building codes will always supersede above restrictions.

PART 6 - FINISHING

Cop-Guard™ above ground treated wood product may be finished or stained after thorough air drying has occurred. Stain blocking primer is required for all applications. Ground contact retention is not recommended for painting, staining or finishing.

PART 7 HANDLING AND DISPOSAL OF TREATED WOOD

- Avoid frequent or prolonged skin contact. When handling treated wood, wear long sleeved shirts and long pants and use appropriate industrial gloves.
- Avoid frequent or prolonged inhalation of sawdust from treated wood. When sawing and machining treated wood, wear a dust mask. Whenever possible, these operations should be performed outdoors to avoid indoor accumulations of airborne sawdust from treated wood.
- When cutting or machining, wear goggles to protect eyes from wood particles or chips.
- Wash hands thoroughly after handling, and before eating, drinking, or using tobacco products
- Good personal hygiene should always be used.
- Launder any clothing which may become contaminated during handling, machining or sawing of the treated product. Work clothes should be washed separately from other household clothing.
- Dispose of treated wood by ordinary trash collection or burial. Treated wood shall not be burned in open fires, stove, fireplaces, or residential boilers because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial or industrial use (e.g. construction sites) may be burned only in commercial or industrial incinerators or boilers in accordance with state and federal regulations.