



Culpeper-Defense

Consumer Information Sheet

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PART 1 - GENERAL PRODUCT INFORMATION

Culpeper-Defense is wood, pressure treated with copper naphthenate wood preservative. It provides fungicidal and insecticidal protection for wood products in ground contact, and above ground uses. It is low in toxicity and can be installed with a high degree of safety.

PART 2 - PRODUCT DESCRIPTION AND INFORMATION

Copper Naphthenate has been used as an industrial wood preservative. 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. Culpeper-Defense treated wood products are available at a range of retentions for above ground use, ground contact and severe exposure. It is effective against mildew, mold, decay organisms and various termites, including the Formosan Termite. Culpeper-Defense treated wood presents minimal health or environmental concerns and has a low mammalian toxicity. Culpeper-Defense treated wood removed from service is not a hazardous waste.

PART 3 - TECHNICAL DATA AND SPECIFICATIONS

Treating Process - Vacuum/pressure treatment, which conforms with the process specifications in AWPA Use Category System Standards (latest edition).

Treatment Specifications - The duration of treating time and the quantity of preservative retained shall depend on the species of wood being treated and/or its end use. Treating procedures shall be as specified in AWPA Standards M2 and M3 (current editions). Penetration and retention of preservative shall conform to the appropriate Use Category System Standards as listed in the AWPA Book of Standards. Inspections of material for conformity to the requirements of these specifications shall be in accordance with AWPA Standard M2.

Minimum industry recommendations for Culpeper-Defense treated wood products applications are listed below:

Use Category: UC3A Above Ground Protected

Service Conditions: Exterior construction / above ground / coated and rapid water runoff

Retention**: 0.04 pcf

Use Category: UC3B Above Ground Exposed

Service Conditions: Exterior construction / above ground / un-coated or poor water runoff

Retention**: 0.04 pcf

Use Category: UC4B Ground Contact / Critical components or difficult replacement

Service Conditions: Exposed to all weather cycles, severe environments includes saltwater splash

Retention**: 0.075 pcf

Use Category: UC4C Ground contact / Critical structural components

Service Conditions: Exposed to all weather cycles, severe environments, extreme decay potential

Retention**: 0.075 pcf

** 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 in the AWPA Book of Standards for specific information.

NOTE - The AWPA recommended retentions will provide adequate insect and decay resistance for the Use Category recommendations. It is not necessary, nor is it recommended that retentions be arbitrarily increased for any given application.

Freshly treated Culpeper-Defense 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 Culpeper-Defense 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 beam or column has dried. Exudate may be removed from the wood surface by wiping the affected area with a heavy cloth saturated with mineral spirits. Stained surfaces may be cleaned by using a biodegradable cleaning solvent with water and either a pressure washer or stiff scrub brush. This will not affect the preservative properties or efficacy of the preservative treated wood and does not negate the warranty. See Part 5 Consumer Information and Part 8 Handling and Precautions for additional use / site precautions.

PART 4 - ENGINEERED WOOD PRODUCTS

Culpeper-Defense 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 Culpeper-Defense 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.

Anthony Power Preserved Glulam and Columns 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%. For more specific information consult the latest product information guides from Anthony Forest Products.

PART 5 - 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 Culpeper-Defense 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 must be field treated with a copper naphthenate solution containing a minimum 2.0% copper metal or other commonly used wood preservative available at local home centers under various trade names, as required in the American Wood Protection Association Standard M4 for the care of preservative-treated wood products.
- Culpeper-Defense treated wood should not be used in interior applications.
- Culpeper-Defense treated wood shall not come in contact with bituminous materials such as deck protective wrap, asphalt or tar / felt paper.
- For interiors of farm buildings where domestic animals or livestock will not crib (bite) or lick the wood, Culpeper-Defense 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 Culpeper-Defense 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.
- Culpeper-Defense 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 6 - FASTENERS

Fasteners, including nuts and washers, in contact with Culpeper-Defense preservative-treated wood must be of hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper.

Corrosion resistant fasteners (ASTM A653) are required with Culpeper-Defense treated wood if a connection is made to water-borne copper treated wood or if Culpeper-Defense members are located in severe deterioration zones. Stainless Steel fasteners may be required under wet conditions. Local building codes will always supersede the above restrictions.

PART 7 - FINISHING

Culpeper Defense above ground treated wood product may be finished or stained after thorough air drying has occurred. Oil based stain blocking primer is required for all applications. Ground contact retention is not recommended for painting, staining or finishing.

PART 8 - 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, stoves, 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.

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