

# PERMAPOST K-520™

## Product Information and Specification Guide

### PART 1 - GENERAL PRODUCT INFORMATION

PERMAPOST K-520™ is a petroleum oil-soluble copper naphthenate based wood preservative that is low in toxicity and can be employed with a high degree of safety. It substantially reduces the problems of environmental liability through a unique technique of copper naphthenate chemistry and application. It provides an ideal fungicide and insecticide for the long-term preservation of wood products in both ground contact and above ground uses. The treated wood is clean and non-corrosive to fasteners.

### PART 2 - PRODUCT DESCRIPTION AND INFORMATION

PERMAPOST K-520™ (copper naphthenate) has been used as an industrial wood preservative since 1903, and is accepted and specified by the United States Department of Agriculture and the United States military. Copper naphthenate is also included in numerous commodity standards of the American Wood Preserver's Association (AWPA). Wood treated with K-520 presents minimal health or environmental concerns and has a low mammalian toxicity. K-520 treated wood removed from service is not a hazardous waste restricted by the EPA under the Federal Insecticide Fungicide Rodenticide Act (FIFRA). The preservative chemically bonds with the wood cells to provide long service with minimal or no leaching over the life of the product. The oil carrier does not add moisture to the wood, thereby reducing the possibility of brittleness, cracking and splitting often present with water based preservatives. K-520 is effective against the Dampwood termite, Drywood termite, and subterranean termites including *Coptotermes Formosanus*.

### PART 3 - TECHNICAL DATA AND SPECIFICATIONS

TREATING PROCESS - Vacuum/pressure treatment, which conforms with process specification in AWPA Standard C1 (latest edition)

PRESERVATIVE - PERMAPOST K-520™ is a water-insoluble metal soap of mono-carboxylic acids and naphthetic acid. Commercial grades of copper naphthenate normally contain 6% or 8% copper as metal (approximately 60% or 80% copper naphthenate) prepared in a petroleum hydrocarbon solvent.

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 specified in AWPA Standards M2 and M3 (current editions). Penetration of preservative shall conform to the commodity standards as listed in the AWPA Book of Standards, C2 through C30. Inspections of material for conformity to the requirements of these specifications shall be in accordance with AWPA Standard M2.

Minimum copper naphthenate retentions for select treated wood products are listed below:

<u>Wood Product</u>	<u>Copper Naphthenate percent as copper</u>
Lumber - Above Ground Use	0.040 pcf
Lumber - Soil and Fresh Water Use	0.060 pcf
Posts - Round	0.055 pcf
Poles - Coastal Douglas Fir	0.075 pcf
Piles - Land and Fresh Water Coastal Douglas Fir	0.140 pcf

### PART 5 - HANDLING AND DISPOSAL OF TREATED WOOD

Gloves are recommended as a normal precaution against wood splinters and skin abrasions when handling any treated wood product. Dust masks, eye protection and gloves should be worn when cutting treated wood. Wash hands thoroughly after handling, and before eating and smoking. Good personal hygiene should always be used. Launder any clothing which may become contaminated during handling, machining or sawing of the treated product. Treated material may be disposed of through normal trash collection for an approved sanitary landfill. DO NOT BURN TREATED MATERIAL IN FIREPLACES OR WHERE PEOPLE WILL BE EXPOSED TO THE SMOKE OR ASHES, BOTH OF WHICH MAY BE TOXIC.