



Treated Wood Products Announcement

Hughes Brothers has been using pentachlorophenol (penta) to treat our wood products for years. The sole supplier of penta is closing, and their production will cease December of 2021. No other chemical manufacturers have stepped forward to fill the void, so Hughes Brothers (as well as all other wood framing or pole suppliers that use penta) has been looking for another method for preserving wood items.

There are a couple of options on the market, and Hughes Brothers has settled on using DCOI. DCOI is an organic oil-borne wood preservative that has 28-year stake test data from a study commissioned by EPRI. The appearance is the same as our current product. One big advantage of DCOI is that it is not a restricted use pesticide. The producer of the product is offering a 50-year limited warranty on wood treated with DCOI. Also, the American Wood Protection Association (AWPA) has DCOI listed in their standards; standard P39.

We have contracted to purchase and use penta until December of 2021 and will continue to produce the same reliable treated wood products as always until then.

Hughes Brothers is confident that we will be able to provide our same excellent level of service to the utility industry in the future with DCOI as our treating method.

Sincerely,

Larry Vandergriend, P.E.
VP Engineering
Hughes Brothers, Inc.



- Lower ecotoxicity
- No dioxins, furans or heavy metals
- 50-year limited warranty

THE PERFECT TREATED WOOD CROSSARM

LONG-TERM EFFICACY COMBINED WITH LOW ENVIRONMENTAL IMPACT

The first major innovation in treated crossarm protection in years, with decades of performance data.

WHAT MAKES THE PERFECT CROSSARM?

- The active ingredient in UltraARM™ NXT is not a Restricted Use Pesticide.
- The active ingredient in UltraARM NXT is not persistent in soil.
- UltraARM NXT treated crossarms have low to no odor.
- The active ingredient in UltraARM NXT is also used in Ecolife®, one of the most popular and environmentally-advanced preservatives used in decks across America.
- UltraARM NXT uses less energy, fossil fuels, and water to produce; with lower ecotoxicity than other materials used in crossarms.
- The UltraARM NXT crossarm has a wider range of disposal options at end of life.
- UltraARM NXT is the only oil-borne preservative treated crossarm with a 50-year limited warranty.





The only oil borne preservative
whose active ingredient is also
used in residential decks.

About the Active Ingredient - DCOI

The Electric Power Research Institute (EPRI), the leading utility industry research group initiated tests conducted by Mississippi State University (MSU), a leader in wood preservative research. MSU compiled 28 years of field data on DCOI, the active ingredient in UltraARM NXT, that showed DCOI (4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one) is an extremely effective wood preservative.

DCOI earned the EPA's Presidential Green Chemistry Challenge Award in 1996 for its use as an alternative to tributyl tin (TBTO) compounds in marine antifoulant coatings.

DCOI is used in, and currently sold as:

- a marine antifoulant
- an algacide for cooling towers
- a wood preservative fungicide component in the AWPA standardized EL2 formulation known as EcoLife®. EcoLife is the best performing non-metal based above ground residential deck preservative on the market.
- DCOI is very effective when used as a fungicide/bactericide for in-can paint formulations.

Lower Environmental Impact

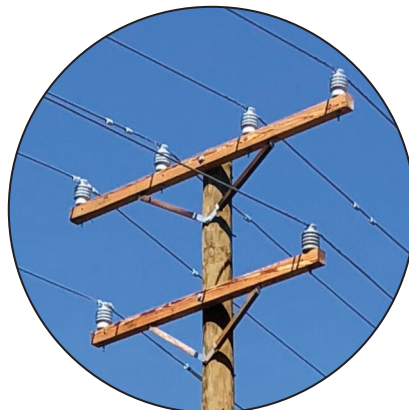
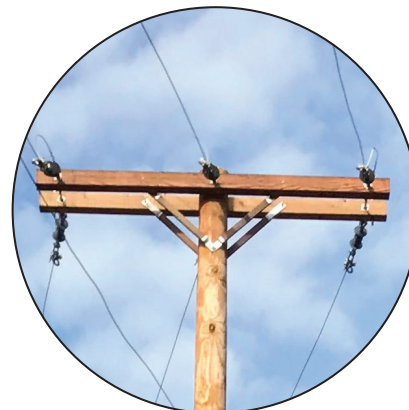
- The effectiveness of DCOI at lower retentions translates into less chemicals overall in the environment.
- DCOI is non-persistent in the soil and breaks down readily into harmless compounds.
- Compared to other materials such as steel or concrete, DCOI treated UltraARM NXT crossarms use less energy, fossil fuels and water; while producing less acid rain, ecotoxicity and greenhouse gases.
- DCOI is not a Restricted Use Pesticide.
- At the end of life, instead of disposing in increasingly restrictive and expensive landfills, UltraARM NXT crossarms have a wider range of disposal options.

Warranty

UltraARM NXT is the only oil-borne preserved crossarm in the industry with a warranty. Viance confidently warrants UltraARM NXT against structural damage caused by termites and decay for 50 years. See the UltraARM NXT Warranty for terms and conditions.

Crossarm Hardware

Pole hardware that is suitable for penta and CCA crossarms is also suitable for UltraARM NXT crossarms.



UltraARM™ NXT treated wood products are produced by independently owned and operated pressure-treating wood facilities.
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