

arxada

WolmanizedWood.com

THE ORIGINAL

ET[®] oil emulsion - Clear or Brown - is the only pole additive consistently available and reliable for more than **30 years.**

Just ask a lineman!



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EMULSION TECHNOLOGY

Why choose Wolmanized® CCA poles with ET® emulsion?

For more than three decades, ET® emulsion has performed as intended, making Wolmanized® Heavy Duty™ CCA poles easier to climb. No other product has ever come close to accomplishing that. ET® emulsion is a complex mixture of co-dependent components such as oils, emulsifiers, adjuvants, etc. Each component has a specific function and while others may seem to be similar, it takes a very precise blending to create the mix of the components to accomplish a continuously performing emulsion that enhances climbability throughout the pole's life. In the case of ET® emulsion, the components were selected to allow the emulsion to withstand the treating process, the exposure to CCA and wood constituents, as well as dirt and other impurities in the solution.

ET® emulsion is a proprietary formula that has performed in all kinds of climates (from the arctic to the Caribbean), weather, water and impurities. There really is no other "just like ET® product". Although attempts have been made, none have lasted due to their inability to handle the rigors of treating process in a CCA plant and the exposures of CCA poles in service for the expected number of years. Pylodyn and other lab tests may be able to screen candidates, but until it is applied in a real treating plant on real CCA poles and observed and actually climbed over the years, it's just another "climbing additive" wannabe.

Get the advantages of CCA poles with the added benefit of easier climbing

The ET® pole combines the longevity and durability of CCA poles with the climbability of oil-impregnated poles. ET® poles are treated with a refined hydrocarbon oil emulsion in the outer layer of the pole following treatment with CCA. The viscous oil emulsion serves as a lubricant, making the pole easier to climb and to work on without affecting the preservative properties of the CCA treatment.

More than 30 years of service life (and counting!)



50-year warranty



Technical & engineering support



Easy to source and available in clear or brown



- Expect a long service life from Wolmanized® Heavy Duty™ CCA treated wood as your poles will be resistant to termites and fungal decay for decades.
- Excellent climbing characteristics confirmed by numerous field-climbing trials on both new and aged poles.
- CCA poles are non-oily and non-staining to utility work crews and to individuals who might come in contact with them.
- No need for future groundline remedial treatment, since fixation of CCA virtually eliminates preservative migration.
- Low corrosivity.
- ET® poles do not require rotation during storage due to waterborne nature of CCA preservative plus high viscosity of ET® oil prevents it from settling at bottom of poles.
- Easier to saw, drill and nail into than regular CCA poles because emulsion additive acts as a lubricating oil.
- ET is subjected to separate quality control and quality audit systems in addition to those already required for the CCA preservative treatment.
- RUS (formerly REA) approved.

More than 30 years
of climbing success



30 years of Climbing Trials Show Value of ET® Poles

Arxada installed poles in 1988 to test their climbability. Below is a summary of the scores over 30 years of trials conducted by real linemen invited by Arxada to score climbability and pole condition.

	9-Year Trial 1997	14-Year Trial A 2002	20-Year Trial 2008	23-Year Trial 2011	25-Year Trial 2013	30-Year Trial 2018
CCA	4.8	5.5	5.6	5.1	5.1	6.75
Penta	7.2	7.0	7.6	5.7	6.9	7.91
CCA ET®	7.6	7.3	7.6	6.8	6.1	7.60




Numbers shown above represent the mean scores for climbability, as given by linemen following climbing trials. Scores are based on a 1-10 scale, with 10 being the highest rating. Since the tests are performed by real linemen, the results vary based on their experience when climbing each of the poles in the trial. The 9-year evaluation was done by climbers from Carolina Power

& Light; the 14-year by climbers from Georgia Power Company; 20-year by climbers from Snapping Shoals EMC, Mid-Carolina Cooperative, and EnergyUnited; the 23-year by climbers from AEP-SWEPCO, Public Service Company of Oklahoma, and AEP-Texas; the 25-year by climbers from AEP-Ohio, AEP SWEPCO, and Snapping Shoals EMC of Georgia; and the 30-year by climbers from Snapping Shoals EMC of Georgia.

14-Year Trial B 2002	
CCA	4.6
CCA - wax	4.7
Penta	—
CCA ET®	6.8

In 2002, an additional trial was conducted that included CCA with wax.





Poles that are
guaranteed to last



50 year warranty

When you select Wolman® Heavy Duty™ CCA treated wood poles and crossarms, you do not have to worry about corrosion, gentle handling, spalling, or raptor safety. And our 50 year warranty guarantees protection against termites and rot.

Wolmanized® CCA-treated poles and crossarms are backed by a 50-year limited warranty against **damage from termites and fungal decay**. If, within 50 years of purchase, a Wolmanized® CCA pole or crossarm suffers damage from either cause that renders the wood unfit for its use, the owner will be **reimbursed for the full original purchase price**.

There is no prorated devaluation. No registration. And no cost.

How can we promise a warranty as good as this one? Arxada is the world's largest producer of CCA preservative and an international leader in wood preservation technology and stands behind their quality products.

Wolmanized® CCA poles have been bringing utility service to homes and businesses for nearly a century. And we stand by it with a substantial warranty meant to back up our belief. You can see the full warranty at WolmanizedWood.com/warranty.



Technical and engineering support from Arxada

Your poles are treated with Wolmanac® CCA preservative innovated by Arxada nearly a century ago. Since, we have continued to improve the utility pole with more than 30 years of success with ET® oil emulsion.

Our vast experience in preservation and wood treatment allows us to offer world class support to our pole treaters so they can offer you quality, trusted products.



ET[®] poles: easily accessible in clear or brown



Whether you prefer the traditional CCA green-colored poles or brown-colored that looks more like traditional Penta poles, ET[®] oil emulsion is the best choice. ET[®] oil emulsion in clear or brown penetrates the outer edge of the

pole making it easier for linemen to climb. ET[®] oil emulsion does not hinder the effectiveness of the waterborne CCA preservative designed to protect poles from termite attack and fungal decay. To get ET[®] poles, ask your supplier!

