



Wherever Wood Is Used™



COBRA™ WRAP

Extend the Life of your Pole

The logo for Genics, featuring the word "genics" in a white, lowercase, sans-serif font on a green background. The letter "g" is stylized with a leaf-like shape.

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COBRA™ WRAP

Product Overview

Cobra™ Wrap is a copper-based preservative bandage designed for exterior application on utility poles. When properly installed at the groundline of a pole, Cobra™ Wrap's active ingredient of copper naphthenate is carried deep into the wood by P9 oil, while providing a moisture barrier from soil contact. This pairing has proven to yield the highest results in copper retention and preservative penetration throughout the treatment cycle of a utility pole. The design of the Cobra™ Wrap bandage also promotes simplicity, consistency, and efficiency during installation, as the prefabricated panels require much less work at the hands of the installer. Each panel holds the proper dosage of chemical for any utility pole application, allowing an individual to simply cut to size and apply, eliminating the possibility for improper treatment loading. Cobra™ Wrap's patented, self-contained delivery system also ensures minimal chemical exposure to the installer and the environment. This is crucial in maintaining structural integrity as 90% of a pole's strength is in the outer three inches of the shell. This product is both PMRA and EPA approved, and uses ingredients recognized by the American Wood Protection Association as effective in the eradication of fungal activity.



Technical Summary

(including 3rd party data and research)

Cobra™ Wrap is available in two formats:

- Cobra™ Wrap (Genics' product number 11010), 60 panels, treatment panel 20"x 10.5"
- Cobra™ Wrap Peelable (Genics' product number 11010-A), 60 panels, treatment panel 22"x10.5"

Additional Product:

- Cobra™ Guard Tape (Genics' product number 10103), 62'x4"

Cobra™ Wrap – Composition and Chemistry

Active Ingredients:

Copper Naphthenate **17.8%**

Petroleum Distillates **82.2%**

TOTAL ACTIVES 100%

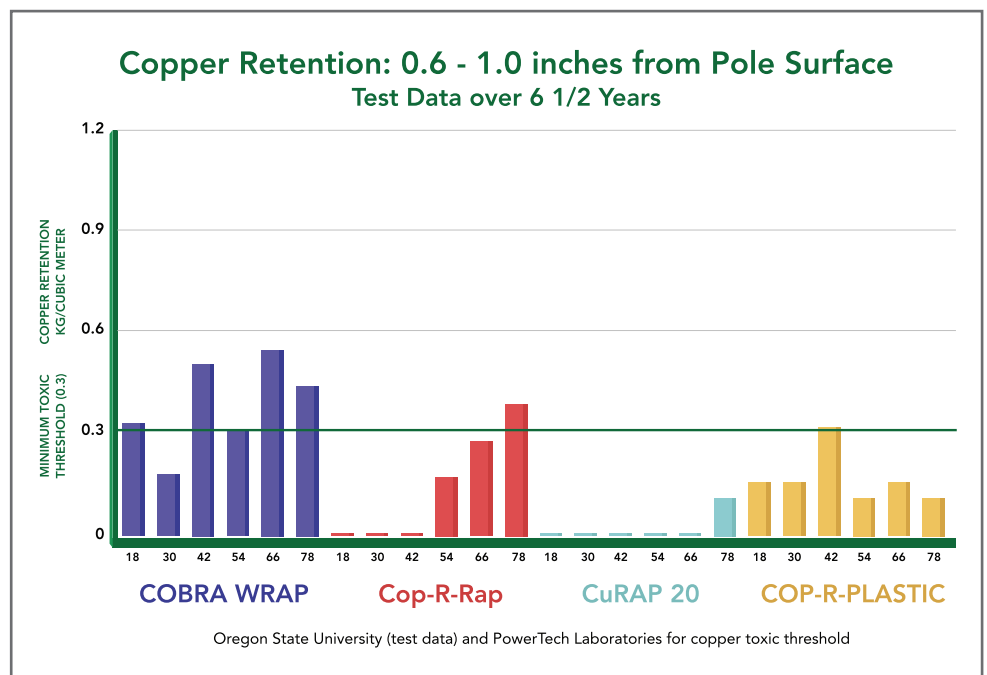
- Calibrated loading in each pad
- Continuous roll for operational efficiencies
- Easy and simple application
- EPA and PMRA approved
- Efficient delivery system
- Clean and safe
- Proven preservative system
- High penetration and retention levels in wood

Cobra™ Wrap is a two-part system comprised of copper naphthenate and petroleum distillates as preservative carrier. Since the late 1800s, the system of these two components has been studied for decades and are currently being used in all parts of North America and Europe as a suitable preservative system for wooden structures. They are used as an initial treatment for utility poles, crossarms, and railroad ties and are used as a remedial form of protection in treating existing structures..

Cobra™ Wrap – Technical Data Summary

Genics has conducted research and testing with the following research institutions:

- FPIinnovations
- Mississippi State University
- Innotech Alberta
- Louisiana State University
- University of Hawaii
- Oregon State University
- Powertech Laboratories
- University of Toronto



Oregon State University – 1996 Test on Pole Wraps:

- Cobra™ Wrap maintained the highest rate of diffusion and longest retention over 78 months.
- Copper is highly effective against soft-rot fungi or ascomycetes which are predominantly found in the outer shell of wood structures.



Technical Summary

Toxicology tests completed by Applied Sciences Laboratory in California on copper naphthenate mixed in a solvent to obtain a 2% copper indicates an LD50 value of greater than 5000 mg/kg in Acute Oral testing and an LD50 value of greater than 2000 mg/kg in Acute Dermal studies. To put this into perspective, table salt has an LD50 value of 3000 mg/kg for acute oral testing; therefore, table salt is more lethal at lower concentrations than the Cobra™ Wrap solution.

Cobra™ Wrap - Installation Instructions

- Remove soil from pole to a depth of 22" below the groundline.
- Excess dirt and decayed wood should be removed from the pole with a wire brush.
- Measure the circumference to determine the correct number of Cobra™ Wrap treatment panels required to cover the pole. Lay out the required number of sections and cut along the seam (always round up to the nearest pad, accounting for a minimum overlap of 2").
- Expose the copper naphthenate soaked absorbent pad by slitting the clear poly plastic in 2" increments at a 45° angle. (For Cobra™ Wrap Peelable, remove the innermost layer of film from the treatment pad.)
- Wrap the treatment bandage tightly around the pole so that approximately 0-2" of bandage are exposed above the original groundline (allow for some soil settlement).
- Securely staple the bandage to the pole along the top and side seams. Use a T50 (1/2" Crown) staple.
- Backfill and tamp soil around pole.
- Tag the pole at eye level to indicate the treatment and date.

Ensure the use of proper PPE as per the label, SDS sheet, State guidelines.

This product is manufactured in an ISO 14001 facility.



Genics is an industry leading manufacturer of wood preservatives and fire-retardant technologies. Genics provides environmentally responsible and innovative products. "Wherever Wood is Used"



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