



There is a Difference in Chemical Additives

Leading Provider of Emulsions in the Treated Wood That You Trust

For over a decade, A & W Products has been manufacturing emulsions used in treated wood sold in almost every big-box hardware store in the country. Wood treaters have chosen us because we deliver the product performance and service that has helped them to provide the high-quality wood products consumers have come to expect.



Our paraffin wax emulsions help preserved wood to repel water and limit harmful vapors. They provide high levels of stability, with excellent bonding properties to ACQ and MCQ and CA-A/B wood treatments. The emulsions help the chemicals penetrate deep into the wood, providing it with the highest levels of water repellency possible while enhancing the performance of the treatment. This ensures that wood products remain just as beautiful in 20 or more years as they do today.

Some wood producers think of the additives they use as commodities. Our customers know that our products, dedication to quality and competitive pricing help them to become leaders in their field.

**Quality + Performance +
Innovation = Superior Products**

OSB, MDF and Particleboard

Oriented Strand Board (OSB), Medium Density Fiberboard (MDF) and Particleboard rely heavily on wax emulsions and resins in it's manufacturer. The composite boards are made by combining wood strands a with a wax and a exterior-type binder (generally phenolic or a isocyanate resin binder). These waterproof and oil-proof resin binders will provide the panel with internal strength, rigidity and moisture resistance. Water adsorption and thickness swell is also controlled, providing the material with the dimensional stability to perform in extremely moist environments. They also increase product lifecycle.

Use of wax emulsions offer many advantages over melted wax. There is no need for heated piping and the emulsion mixes more effectively with resins. The small particle size in the emulsions also allow for better penetration.



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Utility Poles, Railroad Ties, and Heavy Timber

A & W Products provides refined hydrocarbon oil emulsions for in-service utility poles. The oil emulsion is applied to the outer layer of the pole following treatment with CCA. The viscous oil additive acts as a lubricant, making the pole easier to climb and to work on without affecting the performance of the CCA treatment.

Utility poles treated with these emulsions are easier to saw, drill and nail into than untreated CCA utility poles because the emulsion acts as a lubricating oil.



Our Products for Your Wood Products

Our chemical and engineering expertise in wood products is second to none. We are constantly creating new technologies to respond to the changing market and regulatory requirements.

Our product offering for wood building materials are:

AW-60. AW-60 is a water-based emulsion that provides maximum water repellency and offers a solid content of 58 to 60%. It also performs to reduce dust and behave as a binding compound during the cutting and sanding of OSB and MDF boards.

AW-02. AW-02 is an anionic paraffin wax emulsion based on highly pure paraffin that performs as a water repellent and stabilizer formulated for MCA and metal free preservatives. It has a solid content 38 to 40% .

We also have manufactured products for ACQ treated lumber and CCA treated wood.

All of our emulsions are extremely stable and hold up well in the pressure treating chambers. Emulsions can be formulated for spraying directly into the refiner or blow line, or can be directly mixed into the glue.

Superior Products + Competitive Pricing = Value

Wood treaters can rely on A & W for oil emulsions or paraffin-wax emulsions to enhance performance in rail road ties.

