

“WOOD TREATED WITH THE MICROPRO PROCESS” ...
A BETTER EARTH IDEA FROM KOPPERS®



MICROPRO® ENVIRONMENTAL BENEFITS

FIRST WOOD TREATMENT PROCESS TO RECEIVE EPP STATUS

MicroPro technology is the first treated wood process to be certified by Scientific Certification Systems (USA) as an Environmentally Preferable Product (EPP) based on a life cycle assessment.

REDUCED ENERGY USE

The MicroPro treated wood process reduces total energy use by approximately 80% and greatly reduces greenhouse gas emissions, when compared to wood treated with amine copper preservatives.

LARGELY ELIMINATES COPPER RELEASES

Wood products treated with the MicroPro process result in the release of 90% to 99% less copper into aquatic and terrestrial environments when compared to amine copper preservative systems. The very small amount released bonds readily to organic matter in the soil and becomes biologically inactive, thus effectively eliminating eco-toxic impacts.

REDUCED AIR EMISSIONS

The solution containing the MicroPro copper preservative formula is four times more concentrated than amine copper preservative systems.

As a result, fewer trucks are required for transport. Fewer trucks, combined with the absence of monoethanolamine (MEA) in the production process, results in a reduction of air pollutants from exhaust emissions and associated impacts, including: soot, nitrous oxide, volatile organic compounds (VOC's), particulate matter, and reduced impacts of acid rain, smog, and oceanic acidification.

REDUCED GREENHOUSE GAS EMISSIONS

The absence of MEA in the production process, combined with the reduced use of fuel and fewer trucks, means that using MicroPro technology, in the USA alone, in lieu of wood treatment formulations that contain MEA reduces greenhouse gas emissions by an estimated 20,000 tons or more each year. (This is the equivalent to the annual emissions of approximately 2,200 SUV's.)

GREENGUARD CHILDREN AND SCHOOLS CERTIFICATION

This indicates that a product has undergone rigorous testing and has met stringent standards for Volatile Organic Compound (VOC) emissions. In the USA, products certified to this criteria are suitable for use in schools, offices, and other sensitive environments.



Koppers Performance Chemicals New Zealand

Telephone 0800 787 070

www.kopperspc.co.nz

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