



COMPARATIVE ANALYSIS ECOPREM VS CHEMICALLY TREATED WOOD

CHEMICALLY TREATED WOOD

The following statements are found in literature provided by most manufacturers of treated lumber and also can be found on the EPA website for treated lumber. Chemical treatments as listed by the EPA are Chromate Copper Arsenate (CCA), Ammoniacal Copper Arsenate (ACA), & Ammoniacal Copper Zinc Arsenate (ACZA).

THERMALLY MODIFIED WOOD

The following items are the corresponding safety and general information about thermally modified wood called EcoPrem. This information can be found in the literature and publications of the company.

Use hot-dip galvanized or other fasteners as recommended by building codes. <i>Treated lumber actually increases the corrosion cycle in all metal fasteners</i>	Hot-dipped galvanized fasteners are specified by the building code because the building code has recognized the corrosive nature of the chemicals used in treated lumber. EcoPrem has no such chemicals and as such will not directly cause an increase in the corrosion of the fastener.
Do not burn preserved wood.	EcoPrem gives off no toxic fumes when it is burned because no chemicals have been added to it.
Wear a dust mask and goggles when cutting or sanding wood	Dust mask and goggles are always recommended when cutting any kind of wood, but if EcoPrem wood dust should get in the eyes or mouth there are no harmful chemicals.
Some preservative may migrate from the treated wood into soil/water or may dislodge from the treated wood surface upon contact with skin. Wash exposed skin areas thoroughly.	There are no chemicals in EcoPrem and as such nothing can or will migrate into the surrounding soil or water. Exposure to skin will have no effect unless there is specific personal allergy.
All sawdust and construction debris should be cleaned up and disposed of after construction.	Construction sites should always be cleaned and waste disposed, but again EcoPrem will cause no hazard to anyone because the site has not been cleaned up.
Wash work clothes separately from other household clothing before reuse.	Any contamination to work clothing will cause no issues and all clothing can be washed together without concern.
Preserved wood should not be used where it may into direct or indirect contact with drinking water, except for uses involving incidental contact such as freshwater docks and bridges.	Direct contact with any human food or water should be of no concern except for normal environmental dust and debris. No chemicals have been used in making EcoPrem.
Do not use preserved wood under circumstances where the preservative may become a component of food, animal feed or beehives.	EcoPrem can be used in any application where natural wood such as cedar would be used.
Do not use preserved wood as mulch.	EcoPrem can be ground and used as mulch if desired.
Only preserved wood that is visibly clean and free of surface residue should be used for patios, decks and walkways.	This is true of any wood or manufactured product, but in the case of treated lumber this is referring specifically to excess chemicals on the wood. EcoPrem uses no chemicals.
Aluminum contact is not recommended when treated wood products are immersed in water or are subject to frequent and prolonged wetting or other severe exposure conditions. In such cases, moisture-resistant protective barrier should be placed between the aluminum products and treated wood.	EcoPrem will not cause corrosion in aluminum and can be placed in direct contact with or without moisture present. Without the presence of chemicals only the water will react to metal components. EcoPrem will not enhance or diminish the corrosion process.
If the wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.	All wood should be dried before being used inside or covered, but with EcoPrem the chances of moisture absorption are extremely low and so less likely to cause problems.
Mold growth can and does occur on the surface treated lumber during prolonged surface exposure to excessive moisture conditions.	EcoPrem is warranted against any mold growth. Excessive moisture will not cause any problems with EcoPrem.
Treated lumber should not be burned in open fires or in stoves, fireplaces or residential boilers.	EcoPrem can be burned in open or closed fires and gives off no toxic fumes.

