

**GreenGuard™ is a revolutionary range of metal-free preserved timber and plywood products, designed by APL. Popular in tropical markets prone to high humidity and insect attack, GreenGuard™ is accepted in New Zealand, Australia and the United States of America as an alternative to traditional copper and arsenic based timber treatments.**



The active ingredients in GreenGuard™ are commonly found in household insecticides and agricultural crop control products. GreenGuard™ emits no volatile organic compounds (VOCs) nor do ingredients have high mammalian toxicity. Not only are the active preservatives low impact, but the GreenGuard™ process uses only 10% of the water typically used in traditional pressure treatments – this reduces water demand, and reduces the weight of the preserved wood – saving on transport related emissions.

## **Responsible, Preserved Wood**



Designed, produced and supplied by  
Access Pacific Limited, New Zealand



Ecospecifier appraisal



Audited to international  
wood preservation standards



15 Year Warranty  
Details available  
from your distributor



Lining

Moulding

Truss

Fascia\*

Cladding\*

GreenGuard™ can be used in exterior applications that are coated and not in contact with the ground. Such applications may be exposed to the full effects of weather, such as vertical exterior walls and other types of construction that allow water to drain.



You can identify GreenGuard™ by its logo and treatment tag, detailing the chemical, and Hazard Class on each length of timber.



You can also recognise GreenGuard™ by its distinctive branded plastic wrap and label.

STANDARD	USE CLASS
NZS 3604	H3.1*
AWPA U1-09	UC3A
EN 335-1	CL3A
SANS 1288	H3*
AS 1604	H2

\*Class 3 exterior applications are only met after coating the timber products. GreenGuard™ ingredients meet requirements of European Biocide Directive 98/8/EC.

## WHY GREENGUARD™?

- ✓ Low toxicity for humans
- ✓ Safer for waterways due to zero copper or heavy metals
- ✓ Wood moisture content 15-18% MC after treatment making it more stable than 'wet treated' wood
- ✓ Higher fire resistance than untreated wood
- ✓ Uses only 10% of the water typically used in traditional pressure processes

FEATURES	GreenGuard™	Alkaline Copper	CCA	LOSP
Effective Against Termites	✓	✓	✓	✓
Biodegradable	✓			
Non-Corrosive	✓		✓	✓
Low VOCs	✓	✓	✓	
Fire Retardant	✓			
Guaranteed	✓	✓	✓	✓
No Heavy Metals	✓			
Low Cost	✓		✓	
Accepted Worldwide	✓	✓		

The above is based on research published on the standard products available in the market today.

## GREENGUARD™ CONTAINS:

### BORATES

Boron is a low abundance compound found in the earth, which prevents fungal decay and insect attack in wood. Borates have low toxicity in mammals (similar to table salt), but much more so to many arthropods. Small amounts of boron compounds play a strengthening role in the cell walls of plants, making boron a necessary element in soils.

### AZOLES

Azoles (triazoles) are commonly used agriculturally as a fungicide. They are applied to crops to prevent fungi attack and a combination of azoles provide support, to boron, against white and brown rot.

### IMIDACLOPRID

Imidacloprid is a common synthetic chemical, widely used as an insecticide, acaricide and insect repellent. It belongs to the family of synthetic chemicals called neonicotinoids and functions as a neurotoxin, affecting neuron membranes by prolonging sodium channel activation. Imidacloprid provides supplementary protection against termite and insect attack.