



## Lifewood® Plus with MoistureGuard™ Offers Improved Weathering Performance

The treatment of timber with CCA for outdoor exposure provides protection against rot, fungal decay and termite attack, but not against the effects of weathering. Timber exposed outside to the weather is subjected to repeated cycles of wetting and drying that cause the timber to swell and shrink, leading to splitting, cracking and warping.

Osmose Lifewood Plus with MoistureGuard treated products are protected with a combination of CCA and a built-in water repellent to provide protection against decay, insect attack and to reduce the effects of long-term weathering.

Osmose Lifewood Plus with MoistureGuard should be specified for outdoor building projects where appearance is important and protection from the effects of weathering desirable.

### Lifewood® CCA Product Features

- Provides long-term protection from rot, fungal decay and insect attack.
- Easily painted or stained.
- Quality control ensured by industry recognized Quality Assurance systems.
- Lifewood Plus has a built-in water repellent (MoistureGuard).
- BRANZ appraised: Certificate number 422 (2001).
- Approved for use up to and including H6.
- Wood scraps can be disposed of in ordinary rubbish collection.
- Features a 50 Year Guarantee. Ask your retailer for a copy of the Lifewood 50 Year Guarantee brochure for details.

### Handling and Use Recommendations

The CCA preservative used in Lifewood products reacts with the wood to form chemical complexes that are highly insoluble and leach resistant. The CCA preservatives penetrate deeply into and will remain in the wood for a long period of time. However, some preservative may migrate from the preserved wood into surrounding soil over time and there may also be incidental contact with skin during construction or use.

### Recommendations

- Do not burn preserved wood.
- Wear a dust mask and goggles when cutting or handling wood.
- Wear gloves when working with wood.
- All sawdust and construction debris should be cleaned up and disposed of after construction.
- After working with the wood wash exposed areas thoroughly.
- Wash work clothes separately from other household clothing before reuse.
- Only preserved wood that is visibly clean and free of surface residue should be used for patios, decks and walkways.

- Preserved wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.
- Do not use preserved wood under circumstances where the preservative may become a component of food, animal feed, or beehives.
- Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with National and Regional rules and regulations.
- Do not use preserved wood for mulch.
- Do not use preserved wood shavings or sawdust as animal litter.

## Classifications For Treated Timber

### H1 Hazard Level

**Exposure** - inside above ground. **Conditions** - completely protected from the weather and well-ventilated. **Biological Hazards** - insects other than termites (i.e. lyctid or anobiid). **Uses** - framing, flooring, furniture, and interior joinery.

### H2 Hazard Level

**Exposure** - inside above ground. **Conditions** - completely protected from the weather and well-ventilated. **Biological Hazard** - borers including termites. **Uses** - framing, flooring, furniture and interior joinery.

### H3 Hazard Level

**Exposure** - outside above ground. **Conditions** - subject to periodic moderate wetting and leaching. **Biological Hazard** - moderate decay, borers and termites. **Uses** - weatherboard, fascia, window joinery, framing and decking.

### H4 Hazard Level

**Exposure** - outside in ground. **Conditions** - subject to severe wetting and leaching. **Biological Hazard** - severe decay, borers and termites. **Uses** - fencing, greenhouses, pergolas and landscaping timber (non-critical structures).

### H5 Hazard Level

**Exposure** - outside in ground contact with or in fresh water. **Conditions** - subject to extreme wetting and leaching and/or where the critical use requires a higher degree of protection. **Biological Hazard** - very severe decay, borers and termites. **Uses** - retaining walls, piling, house stumps, building poles, cooling tower fill.

### H6 Hazard Level

**Exposure** - marine water. **Conditions** - subject to prolonged immersion in sea water. **Biological Hazard** - marine wood borers and decay. **Uses** - boat hulls, marine piling, jetty cross bracing, landing steps etc.

For more information contact

#### Osmose New Zealand

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#### Osmose Australia

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Lifewood® CCA  
HAS BEEN



\* For further information see separate guarantee documents.  
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Lifewood and NatureWood treated timber products are produced by independently owned and operated wood preserving facilities.  
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# Osmose®

Preservation Technology at Work



Osmose  
Lifewood Marine H6

For the Preservation of

- Decking
- Landscaping
- Gazebos
- Fencing
- Steps
- Walkways
- Weatherboards
- Storage Sheds
- Outdoor Furniture
- Piers and Docks
- Trellis and Lattice
- Timber Bridges
- Transmission Poles
- and much more...

Approved for all Hazard Levels H1 to H6



## Protection for your timber

*Timber used in outdoor environments and in high moisture conditions is prone to attack from decay fungi and termites that can cause strength reduction and eventual failure of wooden structures.*

*Lifewood® CCA pressure treated timber products are ideal for use in situations where protection from insect attack and biological degradation is required.*

## Lifewood® CCA Treated Timber - Proven Performance

Lifewood CCA pressure treated timber is protected from rot, fungal decay and termite attack with Chromated Copper Arsenate, commonly known as CCA and backed by a 50 Year Guarantee (conditions apply, ask your retailer for details). CCA timber preservatives are the most widely used timber treatments in the world and have been used effectively to produce durable and economical outdoor building products for over 60 years. CCA pressure treated timber is also available specifically for use in marine exposure such as marine piling and jetty applications.



## Lifewood® CCA Treated Timber Applications

Lifewood CCA treated timber can be used for any building application where protection from fungal decay, termite and other insect attack is required. It is particularly suited for applications such as foundation poles, retaining walls and other heavy industrial building, marinas, decking, walkways, benches, outdoor tables and chairs, agricultural and domestic fencing, gazebos and landscaping, where long-term durability and economical performance are priorities.

The types of projects you can construct using pressure treated wood are limited only by your own imagination.

## Osmose® Lifewood Marine H6

Osmose Lifewood CCA treated timbers have proven performance in marine applications. Extensively used around the world in some of the most prestigious marine and harbour locations.

## Timber Care

Cutting, notching or boring may expose untreated heartwood. A liberal coating of **PROTIM Reseal** is recommended to restore the protective envelope. For more details refer to the **PROTIM TimberCare** product literature. The appearance and surface water repellancy of Osmose Lifewood and Lifewood Plus treated timber can be enhanced periodically with **PROTIM Raincoat UV Plus**.

## Staining and Sealing For Lifewood®

Apply a weather-resistant finish. Any exposed wood, pressure treated or not, should be protected from the weather. Application of a quality clear water repellent or semi-transparent stain which contains a water repellent will help minimize the cycles of moisture take-up and loss the wood goes through outdoors. For maximum protection, one of these products should be applied as soon as project construction is completed. First, thoroughly clean the timber. A clear water repellent can then be applied to your deck or other project. If you choose to use a semi-transparent stain which contains a water repellent you need to first check that your timber project is surface dry. This can be tested by sprinkling a few drops of water on the wood surface. If the water is readily absorbed by the wood, apply the semi-transparent stain immediately. If the water is not absorbed by the wood, wait a few days and retest. Or immediately apply a clear water repellent and wait approximately eight weeks and then apply your chosen colour of semi-transparent stain. Always follow the manufacturer's directions and try a small, out-of-the-way area first to ensure satisfactory results.

## Staining and Sealing For Lifewood® Plus with MoistureGuard™

The **MoistureGuard** water repellent provides the treated wood product with initial protection against the effects of weathering. To apply a stain or sealer to **MoistureGuard** protected wood, follow these recommended procedures.

An oil based stain can be applied as quickly as 30 - 60 days following installation. Water based stains can be applied after 6 months. Always clean decking before applying water repellents or stains. Sprinkle water on the deck to make sure it absorbs into the surface before applying any brush-on product. Always follow the manufacturer's directions and try a small, out-of-the-way area first to ensure satisfactory results.

## Nails, Fasteners and Fittings

Lifewood preserved wood products are designed for long-term performance in outdoor applications and therefore require high quality, galvanized, stainless steel, or other fittings approved by Osmose. **Direct contact of Lifewood preserved wood with aluminium is not recommended.**

