

# PROTIM® LOSP H1



For the preservation of timber framing, internal flooring, interior joinery, interior panelling interior plywood, and much more...

Plantation grown softwoods, such as Radiata Pine, provide a renewable construction resource with a myriad of end uses...

The PROTIM® LOSP (light organic solvent preservative) range contains preservatives suitable for treating timber for a number of hazard levels.

This brochure is specifically concerned with PROTIM H1. A full range of brochures on PROTIM preservatives is available on request.

PROTIM LOSP products are ideal for the treatment of timber even where a kiln-dried product of exacting final dimensions is required.

## What is PROTIM H1?

PROTIM H1 is an effective preservative formulation designed to provide lasting protection for wood products used in protected (internal) situations above ground (hazard level 1 (H1)).

The formulation contains an insecticide that is applied to timber by a controlled vacuum-pressure process. This provides lasting protection against wood-borer (Anobium and Lyctid). Other formulations are available for H2 and H3 hazard levels.

PROTIM H1 also contains an effective combination of wax and resin that is designed to reduce the uptake of water by the timber during construction. This improves its stability by reducing the dimensional changes that would otherwise occur as water is absorbed and lost.

PROTIM H1 uses a low odour, organic solvent carrier to transport the active ingredient into the wood. This solvent does not saturate wood cells and causes little or no swelling during treatment, unlike water-borne treatments. This means that the timber maintains its original size, shape and strength grading. PROTIM H1 treated timber requires no kiln re-drying after treatment as the solvent evaporates readily from the timber without additional heating.

## Water repellent

The water repellent resin and wax included in the formulation retard the rate at which water is absorbed by the timber during construction. This enhances dimensional stability.

## Active ingredients

### Permethrin:

Permethrin is a contact insecticide and repellent that prevents wood-boring insects from attacking timber. See information on LOSP H2 and H3.

*Note: The levels of Permethrin in PROTIM H1 are not sufficient to control subterranean termites.*

## Handling

When allowed to dry after treatment, PROTIM LOSP treated timber will be virtually odourless, dry and clean to touch. No additional handling precautions are required beyond the usual personal safety and hygiene standards employed when using any type of timber or working with power tools.

## Appearance

PROTIM H1 is a clear liquid preservative that typically does not change the colour or appearance of timber. Coloured dyes may be added to treatment solutions to provide a ready means of identifying (tracing) timber that has been treated. Timber treated with PROTIM H1 containing a dye, should not be coated, as the dyes can bleed through many paints and decorative coatings.

## Limited guarantee\*

PROTIM H1 treated timber is limited guaranteed\* for 25 years against wood-boring beetle attack when timber is exposed in H1 situations. This is conditional to the timber having been treated to reach or exceed, the New Zealand Standard NZS3604 or Australian Standard AS1604. \*See separate guarantee document for more details.

## PROTIM Timbercare

All timber products should be treated in their final shape and form. Any surface exposed by drilling or cutting must be re-treated with a suitable cut end preservative (Protim Solignum XJ clear timber protective Brush-on preservative is recommended). Failure to re-treat may negate the value of the preservative. Rip sawing, thicknessing and planing are not permitted unless the timber is subsequently re-preserved to the original specification. Use pesticides safely - always read the label.

For best performance, PROTIM H1 treated timber should be kept dry during and after installation.



### Coatings/glues/sealants & fixings

Whatever finish you use, always check the label of the finishing product and follow the manufacturer's instructions. Some water repellents and semitransparent stains can be applied to treated wood soon after construction.

- PROTIM LOSP treated timber can be coated with most industrial alkyd based joinery primers once the timber has completed drying after treatment.
- Certain acrylic primers are not compatible with timber treated with water repellent preservatives.
- PROTIM LOSP treated timber may be painted with alkyd based primers. To achieve a durable finish subsequent on-site preparation and top coating should be as recommended by the manufacturer.
- If acrylic primers are to be used it is advisable to contact the paint manufacturer or qualified agent before use.

### Glues

- PROTIM LOSP treated timber can be normally glued with resorcinol, phenol / resorcinol or urea formaldehyde glues, following the product manufacturer's instructions.
- PROTIM LOSP does not normally affect cured glue used to bond solid timber. However, where adhesives are to be used with structural treated timber where failure of the gluing would have severe effects, it is advised that trials are undertaken to ensure performance is adequate.

### Sealants

- PROTIM LOSP treated timber is compatible with most sealants and mastics, provided manufacturers instructions are adhered to.

Use fasteners and other hardware which are in compliance with building codes for the intended use.

Many manufacturers of quality hot dip and stainless steel fasteners recommend their products for use with ACQ treated wood.

*NOTE: Do not use preserved wood in direct contact with aluminium.*

### Important Information

1. Do not burn preserved wood.
2. Wear dust mask & goggles when cutting or sanding wood.
3. Wear gloves when working with wood.
4. 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.
5. All sawdust and construction debris should be cleaned up and disposed of after construction.
6. Wash work clothes separately from other household clothing before re-use.
7. 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.
8. Do not use preserved wood under circumstances where the preservative may become a component of food, animal feed or beehives.
9. Do not use preserved wood as mulch.
10. Only preserved wood that is visibly clean and free of surface residue should be used.
11. Do not use preserved wood in direct contact with aluminum.
12. 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.
13. Disposal Recommendations: Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with federal, state and local regulations.
14. If you desire to apply a paint, stain, clear water repellent or other finish to your preservative treated wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend you apply the finishing product to a small exposed test area before finishing the entire project to insure it provides the intended result before proceeding.
15. Certain metal products (including fasteners, hardware and flashing) may corrode when in direct contact with wood treated with copper-based preservatives. To prevent premature corrosion and failure it is important to follow the recommendations of the manufacturers for all metal products.
16. Mould growth can and does occur on the surface of many products, including untreated and treated wood, during prolonged surface exposure to excessive moisture conditions. To remove mould from the treated wood surface, wood should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mould. For more information visit [www.epa.gov](http://www.epa.gov).
17. For more information visit [www.osmose.com.au](http://www.osmose.com.au) / [www.osmose.co.nz](http://www.osmose.co.nz).

Australia	
<b>H1</b>	<b>APPLICATION</b>  Susceptible framing, flooring, furniture & interior joinery

New Zealand	
<b>H1.1</b>	<b>APPLICATION</b>  Interior finishing timber (See NZS 3602)

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