

PROTIM[®] FramePlus[™]



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When allowed to dry after treatment, PROTIM FramePlus treated timber will be virtually odourless, dry and clean to touch.

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

By adding one of the proven PROTIM[®] LOSP protection systems to this otherwise non-durable species, Osmose preservatives can improve the durability of the timber, extending its possible construction uses. Osmose preservation technology provides a guaranteed level of performance and quality, to deliver a product that provides confidence and peace of mind to homeowners.

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The PROTIM LOSP (Light Organic Solvent Preservative) range contains preservatives suitable for treating timber for a number of hazard levels (H1.2 to H3.1). This brochure is specifically concerned with PROTIM FramePlus.

A full range of brochures on PROTIM preservatives is available on request.

What is PROTIM FramePlus?

PROTIM FramePlus is an interior organic-solvent based preservative formulation designed to provide lasting protection for wood products used in protected (internal) situations above ground (Hazard Class H1.2 as defined in NZS3640).

The formulation contains a combination of an insecticide plus a fungicide that is applied to timber by a controlled vacuum process. This provides medium-term protection against decay fungi and long-term protection against wood-borer (Anobium and Lyctid). The decay protection imparted to timbers by PROTIM FramePlus is intended to provide reasonable time for home owners to detect and repair water ingress in leaky buildings before significant structural degrade occurs.

PROTIM FramePlus also contains a 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 FramePlus uses an 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. This means that the timber maintains its original size, shape and strength grading. PROTIM FramePlus treated timber requires no kiln re-drying after treatment as the solvent evaporates from the timber without additional heating over time.

Active ingredients

Permethrin

Permethrin is a contact insecticide and repellent that prevents wood-boring insects from attacking timber.

3-Iodo-2-Propynyl Butyl carbamate (IPBC)

IPBC is a low-toxicity non-metallic fungicide/mildewcide that provides broad spectrum fungicidal activity to prevent the development of fungal decay in timber accidentally exposed to water due to building or plumbing leaks.

Note that this protection is not intended to withstand decay in permanently damp situations, nor is the treated wood intended for use in weather exposed situations.

Appearance

PROTIM FramePlus is a liquid preservative that typically does not change the colour or appearance of timber. It is a requirement of NZS3640 that a blue colour be added to PROTIM FramePlus treatment solutions to provide a ready means of identifying timber that has been treated.

Handling

When allowed to dry after treatment, PROTIM FramePlus 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. See Important Information section.

See the separate PROTIM FramePlus Material Safety Data Sheet (MSDS).

Limited guarantee*

PROTIM FramePlus treated timber is guaranteed for 15 years* when used in a ventilated cavity construction system, or 5 years when no ventilated cavity exists. The treated wood is guaranteed to withstand insect attack and fungal decay and remain structurally fit for purpose for these periods when installed in H1.2 situations. This is conditional to the timber having been treated to reach or exceed the H1.2 requirements of NZS3640. *See separate limited guarantee document for details.



PROTIM TimberCare

All timber products should be treated in their final shape and form. Any surface exposed by drilling or cutting must be retreated with a suitable cut end preservative (PROTIM FrameSaver 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-treated to the original specification.

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

Installation

PROTIM FramePlus treated timber is no more corrosive to metal fixings than untreated timber. Use fasteners and hardware which are in compliance with the requirements of the New Zealand Building Code for the intended use.

Care should be exercised to ensure adequate evaporation of the organic solvent carrier before attempting to paint, glue or install PROTIM FramePlus treated wood. Installation of PROTIM FramePlus treated wood that retains excessive solvent can have adverse effects on bitumen and polystyrene-based building products such as damp-proof membranes and claddings. Once suitably dry, PROTIM FramePlus treated wood can be fixed with most common construction adhesives, provided the adhesive manufacturer's recommendations are followed.

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

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 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. As this product is designed for interior applications, should it become 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. 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.
16. For more information visit www.osmose.co.nz.