

# PROTIM<sup>®</sup> FrameSaver<sup>™</sup>



- Effective control of decay fungi and insect attack
- Easy application by brush, spray or roller
- Odourless, colourless, non-corrosive, non-flammable
- Diffusing action
- Remedial and/or preventative treatment

PROTIM<sup>®</sup> FrameSaver<sup>™</sup> will help prevent fungal decay by wood destroying fungi, including those causing brown rot and soft rot, and will arrest decay already present in wood.

Easy to apply and effective, PROTIM FrameSaver is suitable for use on above ground and weather protected interior timber. One of the key advantages of PROTIM FrameSaver is its ability to penetrate and effectively treat wet or dry timber after construction. This is particularly advantageous when water damage has occurred due to problems with plumbing or weather tightness.

## What is PROTIM FrameSaver?

PROTIM FrameSaver is a stable liquid formulation containing boron (29.2% m/v as boric acid) plus a quaternary ammonium compound in a glycol solvent, intended for use as a preventative and/or remedial wood preservative.

The key active-ingredient in PROTIM FrameSaver is boric acid (in the form of disodium octaborate tetrahydrate) which has been used for many years as a highly effective fungicide and insecticide for interior applications. PROTIM FrameSaver is effective on any species of wood.

PROTIM FrameSaver is supplied in a ready for use form that requires no further mixing or dilution. The product is non-flammable, has no unpleasant odour, and can be over-painted with most paints once dry; follow paint manufacturer's recommendations. PROTIM FrameSaver is non-corrosive and is compatible with all common building materials including wallboards, insulation, wiring, fastenings etc.

## Application methods

PROTIM FrameSaver is applied to timber surfaces using a brush, roller or spray. Where multiple coats are to be applied, the second coat may be applied as soon as the first coat has been fully absorbed into the wood surface.

PROTIM FrameSaver is most effective when it is applied to all surfaces of boards, where the risk of decay is greatest; the effectiveness

decreases if fewer faces of the timber are treated. Research has shown that the treatment is effective in limiting the spread of the early stages of brown rot provided at least two coats are applied by brush to at least three faces of the timber.

PROTIM FrameSaver<sup>™</sup> is a unique product designed to be applied in-situ to prevent, or stop, the damage caused by decay fungi and wood-boring insects in timber framing.

For members where three faces cannot be accessed, a combination of two coats applied by brush and injection of PROTIM FrameSaver into holes drilled into the interface between members is recommended. See the Department of Building and Housing document "Dealing with Timber in Leaky Buildings" for detail, available from [www.dbh.govt.nz](http://www.dbh.govt.nz).

Note that PROTIM FrameSaver is highly soluble in water and will therefore be at risk of being depleted if continually exposed to wetting; under these conditions periodic inspection and re-application is strongly recommended.

## Application rates

For preventative application on new timber with a thickness of 50mm or less:

One liberal coat of PROTIM FrameSaver should be applied to all timber surfaces.

For preventative application on new timber with a thickness greater than 50mm:

Two liberal coats of PROTIM FrameSaver should be applied to all timber surfaces.

For remedial application on infected timber:

All sizes: Two liberal coats of PROTIM FrameSaver should be applied to at least three faces of timber. Where fewer than three faces are accessible, in addition inject FrameSaver into pre-drilled holes at the board interface (see Application Methods above).



## Handling

- PROTIM *FrameSaver* can irritate the eyes and skin.
- Avoid contact with eyes and skin; wear impervious gloves and eye protection.
- Do not inhale spray mist, wear an approved mask fitted with an organic solvent cartridge.
- Wash any exposed skin with soap and water.
- If swallowed, contact doctor or National Poisons Centre (0800 POISON or 0800 764 766), and induce vomiting if more than 15 minutes from hospital. See separate material safety data sheet for more information.

## Clean up

Equipment used for application of PROTIM *FrameSaver*, and any surfaces accidentally coated, may be cleaned up with water. Do not allow *FrameSaver* or wash water to contaminate waterways.

## Pack sizes

PROTIM *FrameSaver* is available in 5 and 20 litre plastic containers, with larger 200 and 1000 litre sizes available upon request. The product is available either clear or with a red dye to aid in identifying coverage.

## Transport & storage

PROTIM *FrameSaver* is not listed as a dangerous substance, but is regarded as environmentally hazardous. Store in original containers tightly closed in a secure location. Do not use empty containers for any other purpose. Do not allow product or used containers to contaminate waterways.

## Coverage rates

One coat of PROTIM *FrameSaver* will cover approximately 4 to 6m<sup>2</sup> per litre when applied by brush to the surface of timber; the actual coverage rate will depend on the surface roughness and absorbance of the wood. The following chart will give some assistance when calculating the volume of PROTIM *FrameSaver* required for a particular job:

Timber size mm	Lineal metres treated per litre
70 x 35	19 - 29
70 x 45	17 - 26
90 x 35	16 - 24
90 x 45	15 - 22
140 x 45	11 - 16
190 x 45	9 - 13
240 x 45	7 - 11

## Important Information

1. Job site storage – PROTIM *FrameSaver* treated wood is intended for interior use only –store off the ground & cover to protect from water and allow for ventilation.
2. During construction if the wood should become wet it should be allowed to dry before being covered or enclosed.
3. Do not burn preserved wood.
4. Wear a dust mask and goggles when cutting or sanding wood.
5. Wear gloves when working with wood.
6. Do not use preserved wood as mulch.
7. 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.
8. Fasteners and other hardware must be compliant with building codes.
9. 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.
10. 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 surface 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)
11. For more information visit [www.osmose.co.nz](http://www.osmose.co.nz)

Note: that the presence of PROTIM *FrameSaver* may cause errors when using conductivity or capacitance moisture meters. Where accuracy is required, use the oven-dry method defined in AS/NZS1080. For more information call 0800 78 70 70.