



Intergrain BLUE 7

TIMBER PRESERVATIVE PREVENTS AND CONTROLS ROT AND TERMITES IN SOUND AND DECAYED TIMBER

BLUE 7 is a water-based, diffusible wood preservative originally developed by the CSIRO (Australian Patent No.491638) to preserve and provide long-term protection to sound timber and protect rotting structural timber from further decay, where the remaining structural integrity justifies treatment. **BLUE 7** has proved effective in preventing wood decay and termite attack in excess of 20 years. **BLUE 7** also imparts flame-retardant properties to treated wood.

ACTIVE CONSTITUENTS:

201 g/L Fluorine (F). 160.3 g/L Copper (Cu) 105.5 g/L Boron (B)

TYPICAL PROPERTIES:

Appearance: Intense Blue. *Solids (NVM):* 55.5 +/- 1.0% *Active Content:* 88.0 +/- 2.0% S.G. 1.56 @ 20deg C. pH 9.0 +/- 0.5% @ 20deg.C.

COMPOSITION:

A highly complexed aqueous dispersion of Copper, Fluorine and Boron - present as a Cupro-Ammonium Fluoroborate Complex.

PRESERVATIVE ACTION:

BLUE 7 treats damp wood by diffusional penetration. The copper component moves slowly into the surface layers and fixes while the boron and fluorine penetrate deeply into the moist timber. If the moist conditions that lead to decay and hence to diffusion of **BLUE 7** dry out then decay stops and the **BLUE 7** becomes dormant. If the area becomes wet again then the **BLUE 7** resumes diffusion and decay inhibition. On drying the blue colour changes to light green.

WHERE TO USE:

Windows, weatherboards, fascias, garden furniture, pergolas, joists, bearers, studs, rafters, stumps, decking, power poles, boats, bridges, fences etc., or wherever the remaining structural integrity of the timber justifies treatment rather than replacement.

APPLICATION:

1. Exterior exposed surfaces - pergolas, fascias, weatherboards, windowsills etc.

1. Scrape away paint and decayed wood to leave a clean, rough surface.
2. Hose or wash out cavity with water and while still damp apply by brush 3-4 wet on wet saturating applications of **BLUE 7**. For thin section timbers such as weatherboards one application of **BLUE 7** is sufficient.

NB: In order to ensure successful diffusion of the **BLUE 7** into the timber it is important that the treated area remains damp with **BLUE 7** between applications.

3. Before filling cavity and repainting remove excess **BLUE 7** from wood surface by scrubbing with a wet brush and water. When thoroughly dry fill with treated pine block or [Intergrain Woodblend](#) wood filler and repaint. **IMPORTANT:** Wherever possible **BLUE 7** must be overpainted in exposed exterior locations to avoid excessive leaching and to provide long term protection. Where painting is not possible or practical, retreatment with **BLUE 7** will be required at five- yearly intervals.

2. Accessible unexposed timber:

Studs, joists, bearers, flooring, roof battens. Where access is possible proceed as for application one and apply three saturating coats of **BLUE 7** to affected surface.

Inaccessible unexposed timber: eg. bearers, joists.

Application by brush or spray. If affected face is inaccessible apply one application to accessible surfaces in area of decay. Preparation of **BLUE**

7 spraying solution for areas difficult to access. Prepare in a plastic container the following solution: 50 parts **BLUE 7**, 20 parts household ammonia, 30 parts water. Stir thoroughly and apply by plastic garden-type spray wearing appropriate mask, goggles, gloves and protective clothing.

4. Timbers in direct contact with wet ground: stumps, fence posts, poles. Preferred System:

Remove soil from base of stump or pole for 150 mm below ground level. Surround stump with plastic bag and firmly seal to base of stump with tape. Encapsulate stump to 300 mm above ground level to form water-tight bag. Fill with **BLUE 7** and seal top of bag to stump with tape to retain a reservoir of **BLUE 7**. This system will prevent further deterioration for at least 5 years, at which time the treatment should be repeated. Major decay affecting in-ground timbers occurs between 600 mm in ground to 150 mm above ground. Soil below 600 mm is anaerobic and does not support decay fungi.

Alternative Method for treating house stumps, fence posts, etc.

Drill 12 mm hole at 45 degree angle to terminate slightly below ground level. Depth of hole should be approximately one third the width of the stump, ie. for 100 mm stump, hole depth should be approximately 30 mm. Avoid drilling directly into heartwood. Fill hole with **BLUE 7** and plug with dowel. To treat larger house, power poles, and bridge pylons less than 94 cm circumference, drill three non intersection 16 mm holes 450 mm long at an angle of 70 degrees to horizontal commencing 10 cm above the ground directed 5 cm off the pole centre. Repeat for poles greater than 94 cm but drill four 16 mm holes 500 mm deep/ long. Fill holes with **BLUE 7** and plug. Care should be taken when using this method not to weaken the structural integrity of the timber.

QUANTITIES REQUIRED:

To ensure adequate protection from decay, timber must have a minimum loading of 5.5 litres of **BLUE 7** per cubic metre (m³). When applied at this loading one litre of **BLUE 7** will provide adequate protection to 13.9 square metres (m²) or 71 lineal metres of typical weatherboards/cladding. To calculate the quantity of **BLUE 7** required to treat solid timber sections multiply the width x depth x length in centimetres and divide the answer by 182 to get the number of millilitres or litres required, eg. A typical windowsill 1 metre long x 110 mm deep x 40 mm high = 4400 cm³ divided by 182 = 24 mls of **BLUE 7**. Decay pockets in larger section timbers may require 2-3 wet-on-wet applications to achieve the correct loading and ensure adequate diffusion to protect sound timber adjoining rot affected areas.

POINTS OF INTEREST

BLUE 7 will not increase the strength of structurally unsound timber.

- **BLUE 7** is not a termiticide, ie: the poison is not carried back to destroy the nest. However **BLUE 7** applied or injected into termite infected timber will destroy termites and termites will avoid **BLUE 7**-treated timber.
- Laboratory trials of **BLUE 7**-treated radiata pine have remained decay free for over 20 year. Many structural timbers treated with **BLUE 7** have remained decay free for over 12 years.
- **BLUE 7** acts as a flame retardant on treated timber.

WARNING:

Avoid **BLUE 7** contact with zinc, galvanised iron or aluminium. Use only copper, plastic or bitumen coated galvanised iron for fixings or flashing.

CLEAN UP:

Brushes and utensils can be cleaned with water in a plastic container. Spots of **BLUE 7** on clothing can be removed by daubing with household ammonia and water.

DISPOSAL TREATMENT OF UNUSED OR SPILT BLUE 7:

Do not empty into drain, sink or sewer or allow to contaminate rivers, creeks, waterways or lakes. Apply unused **BLUE 7** to fence posts, rails, palings, house stumps etc. Soak up spilt **BLUE 7** with garden soil, sand, sawdust or similar absorbent material and dispose with household waste or in a normal land-fill tip.

SAFETY PRECAUTIONS:

Keep out of reach of children. Do not swallow. Read Safety instructions before opening or using. Always wear rubber gloves and safety glasses to prevent contact with skin and eyes. Avoid breathing vapours. Use an appropriate face mask if spraying. If accidental skin contact occurs wash thoroughly with soap and water.

FIRST AID:

If poisoning occurs contact a Doctor or Poisons Information Centre. If swallowed do not induce vomiting: give a glass of water. If skin contact occurs remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

WARRANTY:

[See details on Intergrain main page.](#)

CUSTOMER SERVICE:

ORDERS AND ENQUIRIES REGARDING ANY INTERGRAIN PRODUCTS OR AVAILABILITY WITHIN AUSTRALIA. Freecall No. 1800 630285

Email [Karen Elsbury](mailto:Karen.Elsbury@woodart.com.au)

Enquiries from outside Australia:

Email: [Anthony P. Dawson](mailto:Anthony.P.Dawson@woodart.com.au) Enquiries from New Zealand:

Email: [Ray Tomlinson](mailto:Ray.Tomlinson@woodart.com.au)



[Home](#)



[Contact](#)



[Feedback](#)

Webmaster: woodart@woodart.com.au

Credits: [Those who helped create these pages.](#)

Link us: [Click here to find out how to link your pages to ours!](#)

Copyright: [Copyright © Australian Wood Artisans Promotions 1995/2002. All rights reserved.](#)
