



TIMBERSAFE

Multi-Purpose Wood Preservative

Fountain of youth for timber

TimberSafe is the most effective environmental, non toxic timber preservative known today. The unique attributes of this product is its capacity to provide a holistic solution to timber problems. It is a deep penetrating colourless and odourless liquid absorbed into the timber as if its sap.

The preservation of timber is achieved by addressing the following:

- Protection against fungal decay (wood rot) and is effective against well over 2,000 species of fungi.
- Reducing evaporation and breakdown of moisture and natural oils of timber
- Reducing the ageing process significantly by inhibiting splitting and warping. Timber 'recognises' **TimberSafe** as a kind of 'artificial sap' taking and holding the borates deep within timber (up to 150mm)
- TimberSafe consists of a unique blend of borates immersed in an odourless and colourless liquid. Its main active constituent is boron - one of 109 elements that make up planet Earth. In nature, boron will often combine with oxygen and other elements - commonly called 'borates' to indirectly protect against insects without direct injection of poisonous or toxic elements.
- Being non-biodegradable it will not break-down or lose strength over time and will continue working indefinitely when applied to either new or existing timbers.

TimberSafe is non-toxic to humans and all warm-blooded creatures including birdlife and will not harm fish or crustaceans when used in a marine environment. It can be applied without the slightest safety concern while a building is inhabited.

We are the only product that satisfied the sensitivity of a Panda Nose for treatment of timber at Taronga Zoo. Other applications include department of Defense, Health, etc

TimberSafe dries to an 'invisible finish and will not leave stain marks. It will last the entire life of the timber when applied with any of our top coatings such as Stain and Varnish or colour coats.

Essential Properties

- Fire retardant / resistant with a fire Index of 1 whereas natural timber rates 5.
- No odours.
- Colourless
- Minimum 10 year warranty.

Scientific Validation

- Approved and tested by the Australian Wool Testing Authority (AWTA) as a fire retardant complying with Australian Standards AS/NZs 1530.3-1999.
- AQIS- tested for successful killing and controlling of timber related fungi.

- Department of Primary Industries (DPI) - QLD Forestry Research Institute tested for outstanding penetration into timber.
- Borate has been successfully tested by CSIRO for efficacy against termites, borers, wood-rot (fungi).

Applications

- A must use in coastal areas
- Railings, Slats, recreational facilities and Parks
- Jetties, platforms
- All domestic decks
- Pergolas, Housing structures
- Commercial applications,
- Boats and associated applications

Application Methods

- Product can be safely sprayed, brushed or rolled even whilst building is inhabited.
- Can be applied in all weather conditions, wind, heat, cold but not if substrate has been wet previously - if so allow substrate to dry for 12-16 hours before application.
Once TimberSafe has dried it can be painted or stained.
- Not effective on pre-painted surfaces.
- Can be applied to garden mulch as both a termite treatment and fire retardant purposes.

Technical info:

- Storage conditions Room (moderate) temperature, tightly closed (sealed)
- Shelf life 7 years +
- Temperature tolerance -50°C to 230°C
- Physical form Liquid
- Min. application temp 5°C

Remarks:

Clean all equipment thoroughly with water immediately after use.

**The definition of fire resistance is the ability of a building component to resist a fully developed fire while still performing its function. The Building Council of Australia section C1.10, clause (b) states, "paint or fire retardant coatings must not be used to make a substrate comply with the required fire hazard properties". Applying TimberSafe to timbers will protect timber against ember attack and in a more severe fire environment the BCA 2007, Specification C1,10 states that Materials used in buildings of Class 2 to Class 9 must: Have a Spread Flame Index of not more than 9; and Have a Smoke Developed Index of not more than 8. TimberSafe, tested by the AWTA to AS 1530.3-1999, has a Spread Flame Index of only 3 and a Smoke Developed Index of just 1.