

Installation Requirements

HYNE TIMBER T2 RED
TREATED TIMBER FRAMING

T2

RED



Hyne Timber T2 Red has been designed and manufactured to resist termite action in Australian buildings.

When installed in accordance with the requirements herein, T2 Red can be used in conjunction with other building materials/systems to resist termite action and meet the performance requirements of the National Construction Code Building Code of Australia (BCA). Other materials and systems may include termite resistant materials other than T2 Red, and/or termite barrier systems.

Intended Use

Hyne Timber T2 Red products are suitable for use in buildings in internal, above ground, dry structural and non-structural applications in Australia.

Appearance

The surface of T2 Red is coloured to give an even red colour, which differentiates this product from non-termite resistant timber products, and from termite resistant timbers, like Hyne Timber T2 Blue, which is only intended for use where no *Mastotermes* termites are present.

Timber Species

T2 Red is manufactured from AFS and PEFC Chain of Custody Certified Australian plantation grown softwood, including Slash Pine, Caribbean Pine & hybrids thereof.

Sizes

Widths: Up to 240mm
Thicknesses: Up to 45mm
Lengths: Up to 6m

Grades

T2 Red is available in MGP10, MGP12, MGP15 and F5 structural grades, which meet the product requirements defined in AS/NZS1748.1. Hyne non-structural grades may include valley boards, utility and/or battens.

Strength & Stiffness

T2 Red has the structural properties defined in AS1720.1 for the nominated grade.

Durability

T2 Red is resistant to all termite species in Australia, and has satisfied the H2 Field Test Protocol, defined by the Australian Wood Preservation Committee.

Product Identification

T2 Red product is individually marked to include the product name, and a date/time of manufacture. Product packaging is marked with a Pack Card that describes the product and its certification.

Packaging

T2 Red is packaged to a common parcel size, nominally 700mm wide x 500mm high. The piece numbers in each pack are shown below.

THICKNESS (MM)	WIDTH (MM)	35	45
	NO. WIDE HIGH	14	11
70	10	140	110
90	8	112	88
140	5	70	55
190	4	56	44
240	3	N/A	33

Packages of T2 Red may be supplied either wrapped with plastic film, or not wrapped.

T2 RED PROPERTIES



TERMITE
RESISTANT
PRODUCT



FOR USE ABOVE
THE TROPIC OF
CAPRICORN



FOR INDOOR,
ABOVE
GROUND USE



SAFE TO
HANDLE AND
WORK WITH



25 Year Guarantee.

Give your customers the trusted brand in structural timber.

Building Performance Requirements

T2 Red when designed, installed, used and maintained in accordance with the requirements herein, will provide sufficient termite protection for the building to meet the Building Code of Australia (BCA) performance requirements, relating to termite actions, i.e.

Class 2 to Class 9 Buildings (Volume 1) & Class 1 and Class 10 Buildings (Volume 2) BP1.1 & P2.1 Structural stability and resistance to actions

- a. A building or structure, during construction and use, with appropriate degrees of reliability, must:
 - i. perform adequately under all reasonably expected design actions; and
 - ii. withstand extreme or frequently repeated design actions; and
 - iii. be designed to sustain local damage, with the structural system as a whole remaining stable and not being damaged to an extent disproportionate to the original local damage; and
 - iv. avoid causing damage to other properties,
 - v. by resisting the actions to which it may reasonably be expected to be subjected.
- b. The actions to be considered to satisfy (a) include but are not limited to:
 - i. (i), (ii), (iii) ... (xiv), (xv) termite actions.

Building Design Requirements

The structural and durability design of buildings using T2 Red shall comply with the principles and requirements defined in Australian Standards AS1720.1, AS1684 and AS3660. Two options for resisting termite action in a building are,

1. The use of termite resistant materials as primary building elements, and/or
2. The use of termite barrier systems.

The BCA defines a primary building element as "a member of a building designed specifically to take part of the building loads and includes roof, ceiling, floor, stairway or ramp and wall framing members including bracing members designed for the specific purpose of acting as a brace to those members." A unique Queensland variation to the BCA, specifically includes the following additional members within the meaning of primary building element, "door jambs, window frames and reveals, architraves and skirtings."

T2 Red is a termite resistant material and may be used solely or in conjunction with other termite resistant materials to resist termite actions and satisfy the BCA performance requirements. Where all primary building elements are not designed, specified and installed as termite resistant than a termite barrier system shall be used.

Where primary building elements, other than T2 Red, are also used in a building then the BCA structural provisions relating to termite action shall be met. E.g. AS3660.1 "Termite Management – New Building Work".

Building Practice Requirements

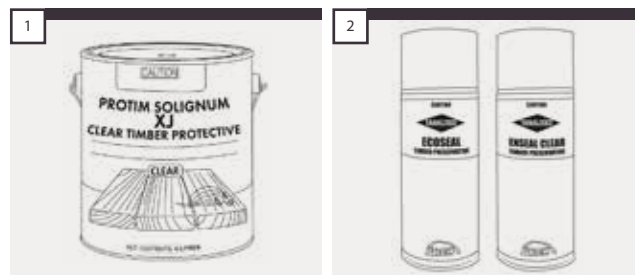
T2 Red shall be installed, used and maintained in accordance with the building practice requirements of Australian Standard AS 1684 "Residential timber-framed construction." The termite resistance of T2 Red, with its termite resistant heartwood and full sapwood treatment, is not adversely affected by end trimming, notching, trenching or drilling of holes. However, a number of practical building situations can arise, during construction, where termite susceptible timber is used. E.g. plumbing or electrical battening. Where replacement of the affected timber member is not practical or possible then the following acceptable methods for protecting termite susceptible timber are required,

1. The installation of a termite barrier system
2. The in-situ preservative treatment of any termite susceptible timber.

Suitable brush-on or spray-on preservative treatments for termite susceptible timber are listed below,

- Protim® Solignum® XJ Clear (See Figure 1)
- Tanalised® Enseal Clear or Ecoseal (See Figure 2)

These products contain insecticides, which with the correct application will provide termite protection to any exposed termite susceptible timber.



OVERVIEW

This manual details the installation requirements for T2 Red.

It is intended for use by building designers, builders, carpenters, other trades persons and building certifiers responsible for ensuring that buildings manufactured from T2 Red can resist the action of termites, in accordance with the relevant performance requirements of the National Construction Code Building Code of Australia (BCA).

GUIDELINES

Safety

T2 Red is safe to use. A Material Safety Data Sheet is available at www.hyne.com.au.

Storage and On-site Protection

T2 Red is termite resistant and can resist the effects of weather for short periods, typical of normal construction environments and timescales. It is not designed to resist decay causing fungi and should be stored in dry conditions wherever possible. After delivery and prior to use T2 Red should ideally be protected from moisture by covering with a waterproof membrane and storing off the ground. Following the use of T2 Red, the roof covering of the building shall be completed as soon as possible to provide weather protection and protection from decay. Exposure for long periods may cause decay, negating the termite resistance of the product.

Waste Disposal

T2 Red off cuts and saw dust from T2 Red are not classified as a hazardous waste and hence can be disposed of through normal waste collection and disposal services. Off cuts can be burnt in industrial incineration, but are not suitable for use as a domestic heating or cooking fuel.

For more information call the Hyne Timber Product Information Service on **1300 304 963**.

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