

# **HYNE** Frame

Make sure it will stand the test of time.





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## Hyne Frame

Hyne is an Australian manufacturer of locally grown structural products made from renewable Australian plantation softwood. As a privately owned Australian company, we offer a complete and comprehensive range of structural softwood framing.

For many, building a new home is the most important financial commitment that they ever make. That is why it is important to know that the materials which make up the home are not only high quality products but that they provide comfort and security about the investment.

Hyne Frame delivers the consistency and accuracy that ensures new house or renovation designs deliver strength, stability and security for the structural elements. They allow quality construction, at a low cost and with minimal building time.

We're confident, when you consider all the benefits of Hyne Frame Value, that you'll choose it every time.

**Hyne Frame – Consistent. Structural. Secure.**

### GREENHOUSE POSITIVE...

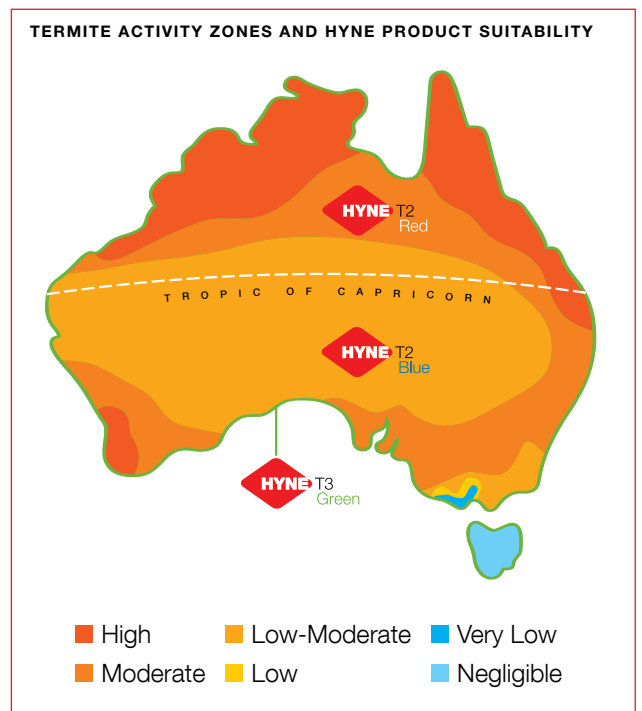
With a growing focus on building materials that have low impact on the construction site, for building materials to be truly green, it's all about where they're sourced and the environmental impact of their manufacture. The simple fact is, responsibly sourced plantation timber products such as Hyne Frame, are one of only a few building materials that actually help to reduce greenhouse gas emission.

ALL OVER PROTECTION, ALL OVER AUSTRALIA



Australia wide, Hyne “T” treated structural timber products provide complete termite protection, guaranteed. Hyne T2 Blue, Australia’s first and leading termite protected framing timber, for south of the Tropic of Capricorn; Hyne T2 Red, specifically developed against mastotermes in the tropical north; and Hyne T3 Green, our range of treated framing for outdoor, above ground applications, are all guaranteed for an incredible 25 years.

The Hyne “T” treated timber guarantee is provided free to the purchaser or owner of Hyne Termite Resistant timber. This protection is approved by the Australian Pesticides & Veterinary Medicines Authority in accordance with AS1604.1 and are deemed termite resistant under the Building Code of Australia and relevant Australian standards.





## TERMITE PROTECTED STRUCTURAL BLUE PINE FRAMING



Specifically designed to combat termite attack in areas south of the Tropic of Capricorn, Hyne T2 Blue is a great way to add value to a dwellings, without adding unnecessary expense. As an additional termite barrier it makes great sense to use Hyne T2 Blue. In-ground treatments and chemical sprays can be breached but Hyne T2 Blue offers coverage that no insurance company can match.

Hyne T2 Blue is an extraordinary combination of core strength framing with an extremely low cost termite protection. Backed by a 25 year manufacturers guarantee against termite damage, any correctly installed Hyne T2 Blue that becomes structurally unserviceable due to termite attack within the guarantee period, will be repaired or replaced at no cost to the supplier, the builder or homeowner.





Hyne T2 Blue is non toxic, completely safe for use around children and in family homes and is fast becoming the preferred choice for structural softwood framing. It is also totally safe to handle, doesn't require additional equipment and off-cuts don't need any special disposal. Hyne T2 Blue couldn't be easier to use.

Hyne T2 Blue is a H2F level treatment which complies with AS 1604, the Timber Utilisation and Marketing Act in Queensland and the Timber Marketing Act in NSW. It meets the requirements (south of the Tropic of Capricorn) as a termite resistant timber as specified in the Building Code of Australia.

#### GRADES

Utility, F5, MGP10, MGP12, MGP15

#### LENGTHS

Hyne T2 Blue is packaged in set length packs ranging from 2.4 to 6.0m. Check with your Hyne representative for alternative stud lengths.

#### GUARANTEE

Hyne guarantees that Hyne T2 Blue used in construction is resistant against termite attack for a period of 25 years from the date of supply.

Any correctly installed Hyne T2 Blue that becomes structurally unserviceable due to termite attack within the guarantee period will be repaired or replaced at no cost to the homeowner.

#### WHAT HAZARD LEVEL IS HYNE T2 BLUE?

Hyne T2 Blue is a Hazard Level 2 (H2F) treatment for use in above ground non-exposed situations for all non-tropical areas of Australia as protection against termite attack. Hazard Level 2 (H2F) is defined as dry, interior building applications that are not subject to moisture or weather exposure.

#### WHERE CAN HYNE T2 BLUE BE USED?

Hyne T2 Blue is approved for use as a termite resistant building material and is suitable for use as part of a whole of house protection barrier system that complies with AS 3660.1 or as an additional protection against possible termite infestation.

Hyne Timber recommends the use of Hyne T2 Blue as an additional barrier against termite attack. Use of Hyne T2 Blue structural framing in the construction of the wall frame and roof truss components of dwellings, combined with other normal termite barriers, provides additional protection against termites.

#### WHAT ABOUT CUTTING HYNE T2 BLUE?

Independent scientific testing has confirmed that Hyne T2 Blue can be cut, notched or drilled without any requirement for the exposed surface or the cut ends to be resealed. Hyne T2 Blue must not be re-sawn, ripped or heavily planed as this may nullify the protection afforded by the preservative.

However, in instances where the surface has been worked, Hyne advocates the use of a re-sealer.

#### WILL HYNE T2 BLUE CORRODE METAL FITTINGS OR FASTENERS?

As the preservative formulation is noncorrosive, normal steel nails and plates are suitable for use as fixings. Once dry the preservative will not affect nail or plate holding capacity.

#### IS HYNE T2 BLUE ENVIRONMENTALLY SAFE?

Absolutely. Numerous independent studies have found that timber sourced from well managed plantation resources has a low net environmental impact, and much lower than most man made materials. The use of Hyne T2 Blue with safe organic based preservatives may also reduce or eliminate the need for other chemicals in the form of ground barrier treatments.

#### HOW DO I DISPOSE OF T2 BLUE OFFCUTS?

T2 Blue offcuts can be disposed of in landfill. It is not harmful to the environment. Hyne recommends that T2 Blue should not be burnt.



## ABSOLUTE PROTECTION AGAINST TROPICAL TERMITES



Hyne T2 Red is our easily identifiable, affordable, readily available structural softwood framing that has become the preferred choice for new home owners and builders in tropical Queensland. Hyne T2 Red provides absolute protection against tropical termites (*mastoterms darwinensis*) while at the same time being totally safe for humans and other mammals and suitable for use in family homes.

Builders in the north know full well that building in the tropics has special requirements. Hyne T2 Red affords additional protection against termites and this full H2 level treatment of quality, mechanically

graded Hyne Frame comes with a 25 year guarantee. The non-toxic nature of Hyne T2 Red means that it's completely safe to use and you won't be overwhelmed by any odour.

For architects and designers, the protection provided for frames and trusses ensures their clients have peace of mind that their investment is secure against voracious north Queensland termites. Fully compliant with AS 1604 and the Timber Utilisation and Marketing Act (TUMA) of Queensland, Hyne T2 Red is deemed to comply as a termite resistant timber under the Building Code of Australia.



Tropical Queensland timber merchants and wall frame and roof truss manufacturers source their supplies of Hyne T2 Red from the two Hyne Wholesale locations in Rockhampton and Cairns, to provide their customers with the most suitable structural softwood framing for the tropics.

Unlike other building material like steel and masonry, Hyne T2 Red is actually greenhouse positive contributing to the ongoing protection of our environment. Using Hyne T2 Red is the best choice of structural building material for the future in the tropical north.

#### GRADES

Utility, F5, MGP10, MGP12, MGP15

#### LENGTHS

Hyne T2 Red is packaged in set length packs ranging from 2.4 to 6.0m. Check with your Hyne representative for alternative stud lengths.

#### GUARANTEE

Hyne guarantees that Hyne T2 Red used in the construction is resistant against termite attack for a period of 25 years from the date of supply.

Any correctly installed Hyne T2 Red that becomes structurally unserviceable due to termite attack within the guarantee period will be repaired or replaced at no cost to the homeowner, subject to terms in the guarantee.

#### WHAT HAZARD LEVEL IS HYNE T2 RED?

Hyne T2 Red is a Hazard Level 2 (H2) treatment for use in above ground non-exposed situations for all areas of Australia as protection against termite attack. Hazard Level 2 (H2) is defined as dry, interior building applications that are not subject to moisture or weather exposure.

#### WHAT IS THE TIMBER PRESERVATIVE IN HYNE T2 RED?

T2 Red's preservative is based on synthetic pyrethroid insecticides. The actual insecticide is commonly used in many household, agriculture and even human use preparations such as head lice treatment. The formulation has been approved for use by the Australian Pesticides and Veterinary Medicines Authority (AVPMA) as well as state based regulatory bodies.

#### WHERE CAN HYNE T2 RED BE USED?

Hyne T2 is approved for use as a termite resistant building material and is suitable for use as part of a whole of house protection barrier system that complies with AS3660.1 or as an additional protection against possible termite infestation.

Hyne recommends the use of Hyne T2 Red as an additional barrier against termite attack. Use of Hyne T2 Red structural framing in the construction of the wall frame and roof truss components of dwellings combined with other normal termite barriers provides additional protection against termites.

#### WHAT ABOUT CUTTING HYNE T2 RED?

The full sapwood penetration and termite resistant heartwood means that Hyne T2 Red can be cut, notched or drilled without any requirement for the exposed surface or the cut ends to be resealed.

However, in instances where the beam surface has been worked, Hyne advocates the use of a re-sealer.

#### WILL HYNE T2 RED CORRODE METAL FITTINGS OR FASTENERS?

As the preservative formulation is noncorrosive, normal steel nails and plates are suitable for use as fixings. Once dry the preservative will not affect nail or plate holding capacity.

#### HOW DO I DISPOSE OF T2 RED OFFCUTS?

T2 Red offcuts can be disposed of in landfill. It is not harmful to the environment. Hyne recommends that T2 Red should not be burnt.



MADE FOR THE GREAT OUTDOORS



Hyne T3 Green is the ideal choice for external, above ground, structural applications. Produced using MGP10, mechanically graded Hyne Frame for strength and reliability and H3 treated for outdoor durability, Hyne T3 Green is easily recognisable by its light green colour.

You can't go past Hyne T3 Green for pergolas and carports as well as verandahs and decks, and it's available in the commonly required sizes for these outdoor, end-use applications. Hyne T3 Green can be substituted, in most instances, for F5 and F7 visually graded H3 pine. Being totally nontoxic to humans, it is completely safe for builders to use.

For designers and specifiers, Hyne T3 Green is able to replace lower visually graded H3 structural softwood products and every piece has been tested to ensure that it has the strength and reliability for the designed end-use application.

Stocking Hyne T3 Green simplifies things for merchants and other timber suppliers knowing that it may substitute for other F graded H3 structural products. Available in convenient pack lots from Hyne Wholesale, Hyne T3 Green becomes the natural choice for timber yard stocks.



### GRADE

MGP10

### SIZES

70, 90, 140, 190 x 35mm

70, 90, 140, 190, 240 x 45mm

### LENGTHS

Hyne T3 Green is packaged in set length packs ranging from 2.4 to 6.0m in 0.6m increments.

### GUARANTEE

Hyne guarantees Hyne T3 Green used in the construction for outdoor above ground use, for a period of 25 years from the date of supply.

Any correctly installed Hyne T3 Green that becomes structurally unserviceable within the guarantee period will be repaired or replaced at no cost to the homeowner subject to terms in the guarantee.

### WHAT ARE THE ACTIVE INGREDIENTS OF T3 GREEN?

Hyne T3 Green contains H3 levels of the following:

- Insecticide (for borers and termites)
- Mouldicide and water repellent
- Fungicides

### HOW DO I USE T3 GREEN?

T3 Green is a treated timber intended for use in exposed, above ground situations, such as deck and verandah bearers and joists; pergola, verandah and carport rafters and battens; verandah and patio beams or fascia beams; or any other external, above ground application requiring structural softwood framing, including children's playgrounds.

### DOES THE TREATMENT EFFECT STRENGTH OR DIMENSIONAL/STABILITY?

No. There is no effect on the mechanically graded MGP10 properties. There is no change in moisture content effecting dimensions.

### CAN T3 GREEN BE GLUED?

Yes. T3 Green components may be glued successfully with any standard two pack glue (not casein based products). The active ingredients and solvent carrier have no harmful effects on fully cured adhesives.

### CAN I CUT, NOTCH AND PUT HOLES INTO T3 GREEN?

Yes, you may do all of these things to T3 Green. Hyne suggests, as best practice in all building applications, that all cutting, notching and holes be brushed or sprayed with a cut end preservative.

### WHAT ABOUT PAINTING?

It is strongly recommended that T3 Green should be painted for all exterior, weather exposed applications to prevent bleaching, surface deterioration and mould.

#### Semi-transparent, penetrating timber stains

Apply 2 to 3 coats as per manufacturer's directions.

#### Solid colour exterior acrylic paints

Apply good quality, long oil-based exterior wood primer followed by two coats of premium quality exterior acrylic paint according to the manufacturer's recommendations.

#### Solid colour exterior gloss enamel

Apply good quality, long oil-based exterior wood primer followed by two coats of premium quality exterior gloss enamel paint according to the manufacturer's recommendations.

#### Clear or semi-transparent exterior gloss or varnish

Not recommended

### HOW DO I DISPOSE OF T3 GREEN OFFCUTS?

T3 Green offcuts can be disposed of in landfill. It is not harmful to the environment. Hyne recommends that T3 Green should not be burnt.



Hyne Frame is produced from plantation grown Australian softwood for structural use in building and complies with AS/NZ1748-1997 and AS1720.1-1997. Mechanical grading ensures that every piece of our F5, MGP10, MGP12, and MGP15 timber is checked to have the design properties and characteristics specified for its designated grade. The appropriate grade is ink jet marked onto the face of each piece for easy recognition.

Australian builders are familiar with MGP grades and can determine the appropriate size and grade required for the particular structural end use application. Hyne Frame is planer gauged after high

temperature kiln drying, to ensure its consistent size and suitability, making it easy for builders to use.

Building designers and specifiers understand the importance of selecting structural timber which is graded to be fit for purpose. In wall frames and roof trusses, Hyne Frame delivers the consistency and accuracy that will ensure that new house or renovation designs deliver strength and stability for the structural elements of the project.



Wall frame and roof truss manufacturers, as well as timber merchants, have come to rely upon their allocated availability of Hyne Frame. Delivered in requested regular volumes each month, either directly from the mill or from the local Hyne Wholesale, Hyne Frame provides a consistent reliable source of structural softwood framing for building in Australia.

#### **WEBS**

Hyne Frame webs for roof truss fabrication are also available mechanically stress graded as defined in AS1748. Lengths available 0.9, 1.2, 1.5, 1.8 and 2.1m.

#### **GRADES**

Utility, F5, MGP10, MGP12, MGP15

#### **LENGTHS**

Hyne Frame is packaged in set length packs ranging from 2.4 to 6.0m.

#### **NOGGINS**

Hyne Frame noggins are docked to length but are not required to be structurally graded. Lengths available are 0.415m and 0.565m.



## Hyne Product Info Service

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