

A natural for all your building needs



CYPRESS

Native softwood with relatively high density and hardness

Natural termite resistance – chemical free

Aromatic odour

Knotty appearance with a distinct variation in colour from the brown heartwood and knots to golden yellow sapwood

Medium sized tree, frequently reaching 25 metres in height and 450 mm in diameter

LOW SHRINKAGE, EXCELLENT DURABILITY AND TERMITE RESISTANCE

MAKE CYPRESS IDEAL FOR

- Structural framing and trusses
- Exposed feature trusses
- Beams and posts in buildings and landscaping
- Flooring and panelling
- Indoor and outdoor furniture
- Playground equipment
- Parquet, cabinets and laminated bench tops



SUSTAINABLE CYPRESS: FOREST MANAGEMENT CERTIFICATION

There are around 2.5 million hectares of cypress dominated forests in Australia, including cypress in forests mixed with eucalypts. The vast majority of cypress is harvested from State-owned land in Queensland and NSW. These forests are managed by the Queensland Department of Environment and Resource Management (DERM Forest Products) and by Forests NSW, using selective harvesting regimes that comply with comprehensive codes of practice.

Both Forests NSW and DERM Forest Products have their forest management practices certified under the independent Australian Forestry Standard (AFS) (AS 4708), which demonstrates the sustainability credentials of their forest management. The major processors in both Queensland and NSW have subsequent Chain of Custody certification under AS 4707, which tracks the certified wood through their businesses.



GENERAL PROPERTIES

Durability: Heartwood is highly durable (Class 1 above ground use and Class 2 in-ground use) against decay and insect attack – Ref. AS 5604.

Termite resistance: Cypress has natural resistance and is rated Termite Resistant under AS 3660.1 and the BCA.

Shrinkage: Very low. From green to 12% moisture content average tangential shrinkage is 2.6%. Radial shrinkage is 2.4% and after seasoning the average unit movement is 0.28 tangentially and 0.23 radially.

Density: Average air dry density (12% MC) is 675 kg/m³. Average unseasoned density 800 kg/m³.

Grain: The grain is generally straight except for deviations around knots.

Preservation: Cypress is difficult to treat and is not commercially available treated. In above ground external applications brush on water repellent preservatives should be applied followed by oil based undercoats or stains.

MECHANICAL PROPERTIES

Stress Grades: For structural use, visually stress graded to AS – 2858 (Note: Cypress framing is usually only available unseasoned (green)). F5 – readily available, F7 – available.

Joint Groups: J3 unseasoned, JD3 seasoned.

Strength Groups: S5 unseasoned, SD6 seasoned.

Hardness: Very hard. Janka hardness – 5.6 kN unseasoned, 6.5 kN seasoned

OTHER PROPERTIES

Working Properties: Machines well both along and across the grain but it is prone to chip out around knots. Has good overall working properties but is less suitable for turning due to the presence of knots.

Fixing: Use of blunt or shear point nails are recommended for nailing guns to minimise splitting.

Gluing: Glues satisfactorily.

Finishing: Readily accept paints and other finishes – knot sealers should be applied for light coloured painted finishes.

Fire Properties: *Early fire hazard properties:* Ignitability index 13, Spread of flame index 8, Smoke developed index 3.

Critical Radiant Flux (CRF) and Extinction Area: Equal to or greater than 4.5 kW/m² and Average Extinction Area less than 250 m²/kg.

Material Group: Material Group Number 3.

CONSTRUCTION

Widely used unseasoned for house framing (including roof trusses, wall and floor framing) and externally for cladding. Structural Cypress Glulam beams and other Glulam products are also available.

Span Tables

Span tables for cypress are included in AS 1684 Parts 2, 3 and 4, Timber Queensland's Handy Span Tables and Wood Products Victoria Pocket Span Tables.

Standard Structural Sizes

Unseasoned Cypress Structural Timber

mm	75	100	125	150	175	200	225	250
38	×	×	×	×	×	×		
50	×	×	×	×	×	×	×	×
75	×	×	×	×	×	×	×	×
100		×						

Lengths up to 6.0m available. Check suppliers for specific availability.

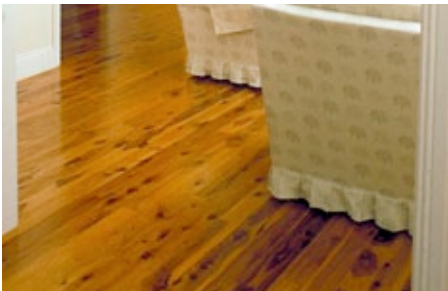
APPEARANCE

For flooring, paneling and decking, cypress is graded in accordance with AS 1810 to the following grades:

Grade 1: A grade to limit the size and occurrence of some of the natural features.

Grade 2: A natural colonial grade featuring all the natural characteristics.

For decking applications correct detailing and a maintained coating system is necessary to provide a satisfactory service life for material containing sapwood. AS 1810 provides specific recommendations.



Produced by Timber Queensland for the Cypress Division.
For further information contact your timber supplier.