

Comparison of Properties

***Queensland
Spotted Gum***

Vs

***Darwin
Stringybark***



Dale and Meyers Operations and subsidiary companies

Dale and Meyers Operations is a diversified Australian company with interests in hardwood timber supply, sawmilling, manufacturing of timber products for distribution across Australia and international export markets.

The Dale and Meyers name has been synonymous with quality hardwood timber since 1988. From humble beginnings in Maryborough Queensland, Dale and Meyers has grown to become a major player of sustainably-produced exotic Australian hardwoods.

We operate under three separate entities DTM Timber, Branch95 and Hardwoods of Australia. We are run by a unified Board and management.

With a team of around 220 employees and contractors across all businesses and locations, we prioritise our people's health and safety and strive to create an environment free from fatalities, injuries and occupational illnesses.

We aim to maximise the social and economic benefits of our operations, contribute to economic development and minimise our environmental footprint through innovation, productivity and technology.

DTM Timber is proud to make a wide range quality hardwood building products from Australian hardwoods for the construction, building, furniture and joinery and electricity supply markets. DTM Timber has chain of custody (CoC) production certification for hardwood from its sawmills.

Branch 95 produces an exceptional range of native timbers that are sustainably sourced from Far North Queensland. These premium timbers are harvested in accordance with industry codes for sustainable forestry practices and environmental protection standards. Many of these unique timbers have not been available in the commercial markets for decades.

Hardwoods of Australia is Dale and Meyers **Indigenous Timber supply arm**. Hardwoods of Australia exclusively sources its specialty "Branch 95" hardwood products from sawmills owned and operated by indigenous Australians.

These sawmills have an objective to provide ongoing skills training and development to their employees.

The intention of the skill development and training is that it provides their employees with the necessary skills to establish further indigenous owned and operated viable sawmilling businesses in the greater Far North Queensland area.

Darwin Stringybark

Scientific: *Eucalyptus tetradonta*

Darwin Stringybark is a medium sized hardwood widely distributed in coastal areas of the Northern Territory, in the Kimberley Region of Western Australia, and on Cape York Peninsula in North Queensland. It is one of the few hardwoods of the Northern Territory to grow to a useful millable size and is probably its main commercial hardwood species.

Dale and Meyers Operations, Branch 95 and Hardwoods of Australia source their Darwin Stringybark timber from the Cooktown region of North Queensland and have it milled locally in an effort to empower Cape York indigenous people. This milling arm, is a 100% indigenous owned business who provides employment opportunities for indigenous workers. The milled Darwin Stringybark timber undergoes final processing at Dale and Meyers Operations, Branch 95 and Hardwoods of Australia's facilities where it undergoes treatment, drying and machining before being dispatched to customers. Dale and Meyers operations also provides training and employment to local indigenous workers at all of their processing sites.

Darwin Stringybark's heartwood is pale reddish-brown with wide sapwood similar to forest red gum. The sapwood is pale yellow or white, fairly wide and usually clearly demarcated from the reddish-brown or pale red heartwood. Texture (referring to vessel size) is moderately fine and even and the grain is mainly straight with some slight interlocking. The figure is not prominent, and growth rings occasionally tending to distinct.

Density can range between 990 to 1200 kgm³ with the timber sourced from North Queensland having the highest average density with an average of 1170kgm³. Darwin Stringybark is hard, heavy and stiff, with exceptionally good impact properties comparable to the best of the ironbarks and exceeding almost all other Australian and imported timber species. Due in part to the harsh natural growing environment and its exceptionally high density, Darwin Stringybark has a very high natural durability with a rating of 1 for both above and below ground and is resistant to termites.

As it is a highly durable timber both in and above ground with excellent weathering properties, it is often used for sawn and round timber in bridge construction and as mining timbers, sleepers, poles, piles; cross arms, heavy structural; heavy flooring and decking; ship and boat building. This durability and strength coupled with the ability to withstand high traffic and repeated impacts has seen it used for commercial and domestic applications in the construction of flooring, decking, wall panelling, decorative work, furniture, joinery, turnery, carving, inlay work, walking sticks and tool handles.

All Darwin Stringybark supplied by Dale and Meyers Operations, Branch 95 and Hardwoods of Australia is treated to the required treatment level (H3/H4) using Tanilith- E which is highly resistant to insect and fungal attack. The treatment at the Dale and Meyers Operations treatment site conforms to AS 1604-2010 Timber-Preservative Treated-Sawn & Round, AS/NZS 1605 Sampling & Analyzing Timber Preservative Treated Timber, done so using a AS/NZS ISO 9001:2015 Quality Management System, certification No 857 and AS ISO 14001:2015 Environmental Management System (certification No 3574) audited and certified by Sci Qual International. Dale and Meyers Operations is a member of Timber Queensland and a certified member of the Timber Preservers Association of Australia (Plant No 422) and conforms to their guidelines and requirements.

All Darwin Stringybark harvested by Dale and Meyers Operations, Branch 95 is done so in accordance with a strict Code of Practice from sustainably managed forests overseen by the Queensland Department of Agriculture, Forestry and Fisheries, The Department of Natural Resources and the Department of Environment and Science. This timber is sustainably harvested in accordance with the Vegetation Management, Forestry, Nature Conservation, Environmental Protection and Aboriginal and Torres Strait Islander Cultural Heritage Acts.

Darwin Stringybark supplied by Dale and Meyers Operations, Branch 95 and Hardwoods of Australia is up to 100% AFS certified using a Chain of Custody compliant management system, AS 4707:2014 Chain of Custody for Certified Wood and Forest Products (certification No 470) in accordance with the Australian Forestry Standard – AFS and PEFC – Program for the Endorsement of Forestry Certification. This has been audited and certified by the EWPAA - Engineered Wood Products Association of Australasia Ltd.

Darwin Stringybark

DENSITY (kg/m3dry)	1050 (QLD) 1170	WEATHERING	Excellent
JOINT GROUP	J1/JD1	SAPWOOD LYCTID SUSCEPTIBLE	Yes
NATURAL DURABILITY. IN/ABOVE GROUND.	1/1	TERMITE SUSCEPTIBLE	No
MODULUS OF RUPTURE (MPa dry) (MPa green)	108 145	MACHINING	Fair
MODULUS OF ELASTICITY (GPa dry) (MPa green)	18.7 16.3	RESISTANCE TO SPLIT IN NAILING	Fair
RADIAL SHRINKAGE %	2-3	RESISTANCE TO SPLIT IN SCREWING	good
TANGENTIAL SHRINKAGE %	4.9	GLUING	good
HARDNESS (Janka) (kN) Green	9.6	GROWING REGION	QLD, NT.WA
Leeching	No	Sustainability	CoC Sustainably managed forest
AVAILABILITY	Good	FINISH	Excellent
BENDING	Good	STABILITY	Excellent



 **BRANCH95**
Darwin Stringy



Darwin Stringybark - Cairns Esplanade Boardwalk





Gum, Spotted

Scientific: *Corymbia maculata*

Spotted gum is a premium Australian hardwood that is used widely in structural, exterior and internal applications.

Spotted gum is one of Australia's premium native hardwoods with a striking appearance and a high degree of natural durability and strength, making it an ideal timber for a variety of structural, exterior and interior applications. Architects and designers throughout the world value spotted gum timbers for their back-sawn grain structure, attractive markings and vibrant colour palette.

Spotted gum is found growing up the south east coast coast of Australia from Maryborough in Queensland to the New South Wales/Victorian border. Sawn timber from these species is generally available throughout Australia. These species have straight, slender trunks with smooth bark that is shed in patches, giving the trees their characteristic spotted appearance.

The heartwood ranges from light brown through to dark red-brown hues. Sapwood is usually white to light brown in colour. The presence of a wavy grain can produce an attractive fiddle-back figure. The wood has a slightly greasy feel, a characteristic that aids machining and boring. Spotted Gum components that are 18mm thick or greater do not require fire retardant treatment for use in construction in bush-fire prone areas.

Spotted gum is used in engineering applications such as wharf and bridge construction, railway sleepers, cross-arms and mining timbers. It is suitable for a range of building applications, such as posts and poles, framing, flooring, lining, decking and cladding. Compared to other Australian hardwoods, spotted gum is a minimal staining timber as it is less prone to bleed-through of tannins than other species. Spotted gum is also a good timber for carving and woodturning.

Spotted Gum

DENSITY (kg/m3dry)	990	WEATHERING	Excellent
STRENGTH GROUP	S2/SD2	TOUGHNESS	HIGH
JOINT GROUP	J1/JD1	SAPWOOD LYCTID SUSCEPTIBLE	Yes
NATURAL DURABILITY. IN/ABOVE GROUND.	2/1	TERMITE SUSCEPTIBLE	No
MODULUS OF RUPTURE (MPa dry) (MPa green)	98 142	MACHINING	Fair
MODULUS OF ELASTICITY (GPa dry) (MPa green)	19 16	RESISTANCE TO SPLIT IN NAILING	Good
RADIAL SHRINKAGE %	4.3	RESISTANCE TO SPLIT IN SCREWING	good
TANGENTIAL SHRINKAGE %	6.1	GLUING	FAIR
HARDNESS (Janka) (kN) Green	8	GROWING REGION	QLD, NSW
Leeching	No	Sustainability	CoC + Sustainably managed forest
AVAILABILITY	Good	FINISH	Excellent
BENDING	Good	STABILITY	Excellent



Premium Grade



Character Grade