



AMERICAN WHITE OAK

Q.prinus, Q.montana, Q.lyrata, Q.michauxii, Q.alba

Description: American white oak is the trade name for a variety of hardwood species from the Quercus genus. The timber is imported from eastern USA and used for a variety of applications, including furniture, flooring and joinery.

Features: The heartwood of American white oak is pale yellow-brown to mid-brown, sometimes with a pink tinge. The sapwood is light coloured. It is mostly straight grained with a medium to coarse texture, and with longer rays and more figure than red oak. It has large distinctive growth rings and some medullary rays may be present.

American Oak sawn timber is supplied typically in random width boards which may lead to a high amount of waste when profiling into items such as lining boards and battens. Lengths are typically restricted to around 4.2m but can sometimes be longer.

Applications: Darwin Stringybark is ideal for:

- Decking & Screening
- Cladding & lining
- External structures – Pergolas, fences
- Flooring

Characteristics: American white oak is a hard and heavy wood, with low stiffness and medium crushing and bending strength. It also has extremely good steam bending properties. American white oak is easy to machine, nail, glue and screw. It stains easily and can take a wide variety of colours. It is a slow-drying wood, so care needs to be taken to avoid checking. Also, given its high shrinkage rate, under variable moisture conditions it is susceptible to some movement.

Pricing/Availability: American White Oak pricing varies according to the profile size with flooring being quite competitive with local timbers but other profiles still attract a premium. It is readily available from specialist dealers throughout Australia



TECHNICAL INFORMATION

Density kg/m3 (12% MC)	750	Durability Class In Ground	4	Bending	n/a
Hardness (Janka kN)	4.7	Durability class above Ground	4	Machining	Good
Modulus of Rupture Mpa dry	57	Susceptible to Lyctid Borer	YES	Finish	Good
Modulus of Elasticity	12.3	Termite Resistance	Not Resistant	Resistance to splitting	Good
BAL Rating	Bal 19	Tannin Leaching	N/A	Gluing	Good
		Stability	Good	Growing Region	North America

American White Oak's neutral tones and attractive grain have made it one of the most popular interior timbers in Australia for the last 10 years and it remains a popular choice for veneers, engineered flooring and furniture even now.

It is a relatively soft timber so if selected for flooring, care should be taken to minimise marking and denting in this application and some consideration should be given to the amount of traffic and footwear the flooring will be subjected to. It is not an ideal choice where heavy traffic is expected and ladies high heels will damage it.

The timber stains and finishes well and it makes an attractive feature as wall linings, doors and battens without being overpowering adding warmth and interest to a room.

