

TIMBER SPECIES INFORMATION SHEET

ENGINEERED AMERICAN OAK Quercus alba (Shorea argenifolia substrate)



DESCRIPTION

Engineered American Oak is an engineered product, similar in appearance to European Oak. The face features American White Oak hardwood, providing consistency in colour and appearance. The substrate is finger jointed Meranti, ensuring stability and strength. Porta Engineered American Oak is sourced from Indonesia and carries FSC® Mix certification.

VISUAL FEATURES

Light in colour, American Oak can vary from light straw coloured tones through to mottled mid brown. Its grain is typically straight, with a medium to coarse texture and distinctive growth rings. Natural variations in grain, colour and texture are characteristics of the species.

COMMON APPLICATIONS

- Panelling
- Mouldings
- Joinery

TECHNICAL INFORMATION - AMERICAN OAK

American Oak (*Quercus alba*) is a hardwood common to the eastern United States and is considered a hard and heavy wood with low stiffness and medium crushing and bending strength. It has extremely good steam bending properties and is easy to machine, nail, glue and screw. It stains easily and can take a wide variety of colours.

Density kg/m ³ dry	750	Durability in ground	0-5 years	Resistance to Split (Nailing)	Good
Specific Gravity	0.68	Durability above ground	0-7 years	Resistance to Split (Screwing)	Good
Hardness (Janka) kN	6.0	Susceptible to Lyctid Borer	Yes	Gluing	Good
Modulus of Rupture Mpa dry	105	Termite Resistance	Not Resistant	Machining	Good
Modulus of Elasticity GPa dry	12.3	Fire Hazard Group (AS 5637)	3	Finish	Good
Radial Shrinkage %	3.2	BAL Rating	12.5 & 19	Stability	Good
Tangential Shrinkage %	6.6			Growing Region	USA

TECHNICAL INFORMATION - MERANTI

Meranti is a light red hardwood sourced from certified forests throughout South East Asia. It is a durable, medium density hardwood with a moderately coarse, but even, grain. It can be easily worked and takes fasteners easily.

Density kg/m ³ dry	440-600	Durability in ground	0-5 years	Resistance to Split (Nailing)	Satisfactory
Specific Gravity	0.4	Durability above ground	0-7 years	Resistance to Split (Screwing)	Satisfactory
Hardness (Janka) kN	2.6	Susceptible to Lyctid Borer	Yes	Gluing	Satisfactory
Modulus of Rupture Mpa dry	81	Termite Resistance	Not Resistant	Machining	Satisfactory
Modulus of Elasticity GPa dry	10	Spread of Flame	9	Finish	Satisfactory
Radial Shrinkage %	2.5	Smoke Developed Index	4	Stability	Satisfactory
Tangential Shrinkage %	4.4	BAL Rating	12.5 & 19	Growing Region	SE Asia

Notes: Data sourced from www.woodsolutions.com.au and independent testing.

AVAILABILITY

Engineered American Oak is available in Porta's Contours lining board range in 2.7m lengths. Contact Customer Service for information & availability.

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