

# American White Oak

American White Oak is the market trade name for a number of American hardwoods from the *Quercus* species.

<b>Common name</b>	American White Oak
<b>Look &amp; features</b>	Mostly straight-grained with a medium to coarse texture
<b>Botanical name</b>	<i>Quercus alba</i>
<b>Colour</b>	Sapwood is light coloured, and heartwood is light to dark brown
<b>Common uses</b>	A wide range of internal applications, including flooring, joinery, and furniture

The timber is indigenous to North America and is harvested from mainly privately owned and managed forests. It is imported into Australia for use in a variety of applications, including furniture, flooring, and joinery and can be used both internally and externally. It is generally imported in a kiln-dried form and machined and/or profiled in Australia.

The timber has a light-coloured sapwood with light to dark brown heartwood. It has occasional tight knots, and while generally straight-grained, it does have large distinctive growth rings and a 'fleck' (medullary ray) appearance, making it similar to European Oak.

The timber is graded to an American standard, which is slightly different from Australian standards in that it permits more 'features' in higher-grade products. The timber machines well, is easy to glue, nail, and screw, readily accepts stains, and polishes to a good finish.

## Properties

<b>Density (kg/m<sup>3</sup>)</b>	
GD	1,009
ADD	750
<b>Hardness kN (Janka)</b>	
Green	4.7
Dry	6.0
<b>Strength group</b>	S6/SD16
<b>Joint group</b>	J1/JD3
<b>Shrinkage</b>	
Radial % (approx.)	>5.0
Tangential % (approx.)	10.5
<b>Early fire hazard indices</b>	
Ignitability	N/A
Spread of flame	N/A
Smoke development	N/A
<b>Termite resistant</b>	No
<b>Lyctid-susceptible sapwood</b>	Yes

