

## AMERICAN WHITE OAK

Version 2

<b>STANDARD TRADE NAME</b>	American White Oak
<b>OTHER NAMES</b>	Oak, White Oak; Chestnut Oak; Appalachian Oak
<b>BOTANICAL NAME</b>	Quercus spp
<b>SPECIES</b>	Widespread throughout Eastern USA, the white oak group comprises many species; of which about eight are commercial.
<b>COLOUR</b>	White oak is similar in colour and appearance to European oak. The sapwood of American White Oak is light coloured and the heartwood is light to dark brown
<b>GRAIN</b>	White Oak is mostly straight grained with a medium to coarse texture, with longer rays than Red Oak. White Oak therefore has more figure.
<b>DENSITY/STRENGTH</b>	Average Weight: *769 kg/m <sup>3</sup> (12% Moisture content) Average Volumetric Shrinkage: 12.6% (Green to 6% Moisture content) Modulus of Elasticity: 12,273 MPa Hardness: 6049 N
<b>DURABILITY</b>	AG 3&4 Internal use only (NZ).
<b>PHYSICAL PROPERTIES</b>	The wood dries slowly and care is needed to avoid checking. Due to its high shrinkage, it can be susceptible to movement in performance.
<b>WORKING QUALITIES</b>	White oak machines well, nails and screws well; although pre-drilling is advised. Its adhesive properties are variable, but it stains and polishes to a good finish.
<b>USES</b>	Applied and structural flooring, paneling and furniture.

**Disclaimer:**

JSC has endeavoured to ensure this information is accurate but recommends that for critical applications independent advice is obtained.

These properties are only a guide, as timber is a natural product there will be variations within any species.

\* Air dry density (kg/m<sup>3</sup>) is average indication only and actual value may vary

This information may be updated at any time.

Profiles, fixing details and documentation available by request at

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