



AMERICAN WHITE OAK

STANDARD TRADE NAME	American White Oak
OTHER NAMES	Oak, White Oak; Chestnut Oak; Appalachian Oak
BOTANICAL NAME	Quercus spp
SPECIES	Widespread throughout Eastern USA, the white oak group comprises many species; of which about eight are commercial.
COLOUR	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
GRAIN	White Oak is mostly straight grained with a medium to coarse texture, with longer rays than Red Oak. White Oak therefore has more figure.
DENSITY/STRENGTH	Average Weight: 769 kg/m ³ (12% Moisture content) Average Volumetric Shrinkage: 12.6% (Green to 6% Moisture content) Modulus of Elasticity: 12,273 MPa Hardness: 6049 N
DURABILITY	AG 3&4 Internal use only (NZ).
PHYSICAL PROPERTIES	The wood dries slowly and care is needed to avoid checking. Due to its high shrinkage, it can be susceptible to movement in performance.
WORKING QUALITIES	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.
USES	Applied and structural flooring, paneling and furniture.

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