



White Oak

Common Name(s)	Chestnut Oak
Scientific Name	Quercus Spp
Distribution	USA
Average Dried Weight	760 kgs/M3
Durability	Moderately durable
Janka Hardness	(6 kN)
Modulus of Rupture/Bending Strength	(102.3 MPa)
Modulus of Elasticity/Stiffness	(12.15 GPa)
Crushing Strength	(50.8 MPa)

Sizes

- 25, 40, 50 MM thickness.
- 155, 180, 205 & Random widths.

Seasoning

- The timber seasons slowly with a tendency to check and split.

Characteristics

- American White Oak resembles European Oak, being a mixture of species. However, it is more variable in colour, pale yellowish-brown to mid-brown. It varies also in quality according to the locality; thus Oak from Canada and the Northern USA is generally harder and heavier than that from the Southern States.
- The characteristic silver grain figure, due to the broad rays, is shown to advantage on quarter cut material.
- The grain is generally straight and the texture varies from coarse to medium coarse.

Working Qualities

- Considering its density, the timber can be worked fairly readily, taking a smooth finish.
- The timber can be glued, stained and polished and takes nails and screws well.
- In common with other species of Oak, White Oak corrodes metals, particularly iron, steel and lead.
- Use of non-ferrous metals for fastening and fittings is recommended.

Uses

- Because of its good all-round strength and resistance to decay, White Oak is used for a wide range of constructional work, including ship and boat building.
- High-grade furniture, interior woodwork and flooring.
- Because of its impermeability, the timber is suitable for vats and casks for holding liquids such as wine and spirits.

Product Attributes

- Pale cream to yellowish brown sometimes with a pink tinge.
- Takes stain and polish well.

Auckland

82 Henderson Valley Rd
Henderson

P 09 8360124

E auck@bbstimbers.co.nz

Whangarei (Head Office)

27 Kioreroa Rd
Whangarei

P 09 4389358

E office@bbstimbers.co.nz

Christchurch

14 Halwryn Drive
Hei Hei

P 03 3445591

E chch@bbstimbers.co.nz

bbstimbers.co.nz