



# American White Oak

Quercus alba / species information

**Native to Eastern North America, American White Oak is a magnificent tree. In the forest it can reach enormous proportions with large wide-angled branches stretching out as long as the tree is high.**

Unlike its name, the bark of a White Oak is an ash-grey, with the sapwood light and the heartwood tones ranging from light, through to dark grey-brown. Trees may live to 200-300 years, with a famous Wye Oak in Maryland estimated to be over 450 years old.



## Premium timbers that don't cost the earth

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Auckland 0753  
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**Wellington**  
160 Gracefield Rd, Seaview.  
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**Christchurch**  
27 Nga Mahi Road, Sockburn.  
PO Box 8822, Riccarton,  
Christchurch 8440  
p. 03 341 2163 f. 03 341 2173

## Products / American White Oak

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### Flooring

As one of New Zealand's most popular floorings for the past 10 years or more, American White Oak is very worthy of its praise. Featuring qualities such as stability, hard wearing and a stunning natural grain, White Oak can also be surface coated to almost any colour, and will add true character and prestige to your home.

Hermpac can provide a wide range of grades, ranging from prime which has very minimal natural grade characteristics, right through to a rustic farmhouse grade that is full of charm and a relaxed style.

### Interior Panelling

American White Oak is a popular choice throughout many areas of the house including soffit lining and interior timber panelling. Striking results ranging from edgy contemporary looks through to warm relaxed and cosy charm; are all achievable when using this specie.

### Interior Screening and Battens

Available in a range of sizes, White Oak screening and battens make an outstanding feature for both residential and commercial applications. Matched up with White Oak flooring and the results can be truly stunning. Being incredibly stable is another benefit, making this specie an easy first choice for such applications.

### Furniture and Joinery

Natural beauty and stability are the reasons why furniture makers around the world claim American White Oak as their 'go-to' specie for great results. Unlimited in its scope, White Oak will happily embrace a modern or 'old world' fashion style. American White Oak is also used with confidence when it comes to bold 'statement' pieces such as large feature doors. Lacquers and coatings of your choice will take well, allowing for unique one off pieces to be created.

### Technical Information

Hermpac Common Name	American White Oak
Scientific Name	<i>Quercus alba</i>
Common Names	Oak, White Oak
Regions Of Distribution	Northern Appalachians USA, Canada
Heartwood Colour	Light tan or pale yellow to dark brown
Sapwood Colour	White to cream
Grades	Prime, Light Feature, Comsel, Rustic, Farmhouse
Sizes	25, 40, 50mm thick
Lengths	Maximum length 4.88m
Visual Grain	Medium - heavy, distinct in pieces
Natural Durability	Class 4* internal use only
Radial Shrinkage (Green To 12% Mc)	5%
Tangential Shrinkage (Green To 12% Mc)	9%

### Mechanical Properties

	Green	Dry (12% Mc)
Modulus of Rupture <sup>(MPa)</sup>	56	100
Janka <sup>(kN)</sup>		5.9
Max Crushing Strength <sup>(MPa)</sup>	24	51
Static Bending Strength <sup>(MPa)</sup>	25	32
Shearing Strength <sup>(MPa)</sup>		13
Modulus of Elasticity <sup>(GPa)</sup>	8	12
Specific Gravity <sup>(kg/m<sup>3</sup>)</sup>	590	670
Weight <sup>(kg/m<sup>3</sup>)</sup>		750

### Sample



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\* Durability classes are based on Australian Standards AS5604-2005 and all the relevant information in the standard. The heartwood of an individual piece of timber may vary from the species nominated classification.