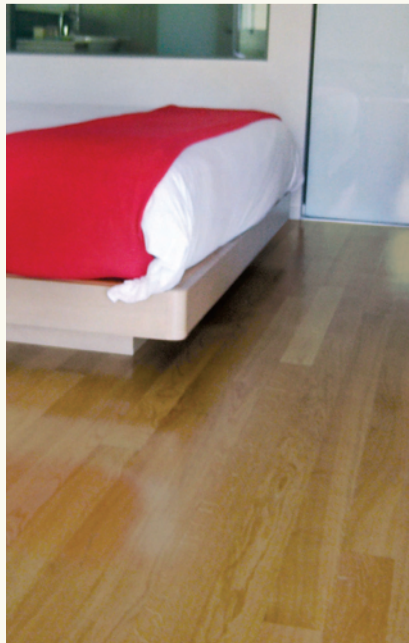




WHITE OAK | *Species Quercus Alba*

A timber for the ages white oak has long be revered as a versatile and hardwearing floor covering. The unique dark rays of the grain add interest and life to the golden straw tones of the wood and contributing to its unique appeal across the globe. Light and modern with a history to match Oak should always be considered when conceptualising your next project.



General Characteristic

The heartwood and sapwood of White Oak are similar in appearance and can have a white to cream to light brown colour. The grain of white oak is open, and also somewhat coarse, and tends to have long rays. These distinctive rays are what make white oak so prized for construction of "Mission" style furniture and woodwork. Depending on whether the wood is plain sawn, riftsawn, or quartersawn, the grain of white oak can have a plumed or flared appearance, a lighter grain pattern with low figuring, or a "flake" pattern that is referred to as "tiger rays" or "butterflies." White Oak shows very little variation making it popular for people seeking an even toned floor.



MECHANICAL VALUES

Category	Green	Dry	Units
Weight			
Density (air-dry)	930	729	Kg/m ³
Specific Gravity	0.56	0.68	
Hardness		1480	lbs
Stiffness	130	1760	1000 psi
Bending Strength	8700	14340	psi
Shearing Strength			
Max. Crushing Strength	3700	7002	psi
Work to Maximum Load	9	14	in-lbs/in ³
Radial Shrinkage (G->OD)		5.4	%
Tangential Shrink. (G->OD)		9	%
Volumetric Shrink (G->OD)		12	%

PRODUCT SPECIFICATION

Species	White Oak
Dimensions	120mm x 14mm x 1800 (RL) 90mm x 14mm x 1800 (RL)
Lamella Veneer	2mm or 4mm Quarter sawn veneer
Construction	Single Strip Cross-Laminated Hardwood Ply
Finish	9 coats of Klumpp Aluminium Oxide Anti Scratch Build Up With Hardener
Luster	Satin Finish 65% - 35%
Edges	Square Edge
Installation	Dual Installation Direct Stick or Tongue and Groove Glued
Moisture Content	10-12%
External Expansion	Allow an expansion joint to perimeter 10-15mm from the wall and all internal joinery. Expansion joint to be caulked and/or covered with timber skirting or Harmony Hardwood Scotia.
Internal Expansion	Allow an expansion joint of 10mm for every 6 metres of flooring. Expansion joint caulked and/or covered with Harmony Hardwood T-mould or Harmony Aluminium T-mould.

Code	Product	Dimensions
INT-006 (a)	Harmony White Oak	2mm (V) 120mm x 12mm x 1800mm (RL)
INT-006 (b)	Harmony White Oak	4mm (V) 120mm x 14mm x 1800mm (RL)
INT-006 (c)	Harmony White Oak	4mm (V) 90mm x 14mm x 1800mm (RL)
WO-001	Harmony Hardwood Stained Scotia - WO	15mm x 2400mm
WO-002	Harmony Hardwood Stained T-Mould - WO	20mm x 2400mm
WO-003	Harmony Hardwood Stained Stairnose - WO	20mm x 2400mm
WO-004	Harmony Hardwood Stained Reducer - WO	40mm x 15mm x 2400mm
WO-005	Harmony Hardwood Stained Skirting - WO	65mm x 12mm x RL

Scientific Name:

Quercus alba (white oak)

Other Names and Species:

American white oak is also known variously as Basket Oak, Chestnut Oak, and other names, including: Cow Oak, Mountain Oak, Rock Oak, Swamp Oak, Tanbark Oak

Origin:

The commercial domestic species of red and white oak are widely distributed throughout the United States.

Properties:

White oak is slightly harder than red oak, and also more durable. However, both types are notably stiff and dense, have high shock resistance, and resist wear. Because of the high concentration of tannic acid in white oak, it is particularly resistant to fungi and insects.

Janka Hardness: 1360

White oak has a ranking of 1360.

Workability:

Both red and white oak have good resistance to splitting and excellent holding ability. Red oak sands better than white; by contrast, white oak has better machining qualities. Because of its relatively high porosity and low concentration of tannin, red oak works better for bleached floors than white oak, which can turn green or brown when the surface comes in contact with bleach or water-based finishes.

Principal Uses:

Oak is practically synonymous with high-quality, durable, and distinctively attractive wood floors. In addition, it is widely used in ship building, furniture and veneers, kegs and casks, truck and trailer beds, caskets, paneling, and mining timbers. Oak yields tannin for the formulation of dyes.



9 coat
lacquer
system



eco-select
sustainably
harvested



cross
laminated ply
construction



easy care



sawn
hardwood
lamella



lifetime
structural
warranty



25
year
surface
warranty