

American Red Oak

Botanical Name: *Quercus rubra*
Other Names: Red oak
Origin: North America



General

Working Qualities: Red oak lumber machines well, with good performance in nailing and screwing, although pre-boring is recommended. It glues well and can be stained and polished to a very good finish. Being porous, red oak absorbs all treatments. The wood dries best slowly to minimise degrade, but with high shrinkage and can be susceptible to movement in performance in humid conditions. The wood is rated as slightly resistant to heartwood decay, but moderately easy to treat with preservatives. This makes red oak suitable for being thermally modified.

Uses: This sustainably managed species group from natural forests of North America, with excellent environmental credentials, is a key species in many export markets. Its main uses are in furniture, flooring, doors, architectural joinery, mouldings and kitchen cabinets. It is also used in certain applications for construction.

Price (1-10): 3

Availability

Availability: Only available in T&G flooring

Stocked: Yes

Grade Description: Available in various grades and sizes

Basic Info

Durability In Ground: Perishable/Non Durable

Durability Above Ground: Perishable/Non Durable

Density Air Dry: 980 kg/m³

Density Green: 730 kg/m³

Shrinkage Radial: 2.80 %

Shrinkage Tangential: 6.60 %

Mechanical Properties

Janka Hardness: 5.43 kN

Modulus of Rupture: 98.599 MPa

Modulus of Elasticity: 12.549 GPa

Max Crush Strength: 22 MPa

Strength Group unseasoned: S6

Strength Group Seasoned: SD6

Comp Strength Parallel to Grain: 46.610 MPa

Fire

ASTM Flame Spread: 100

ASTM Smoke Developed: 100
