



LUMBER WORLD

'A Destination for your Imagination'

RED OAK

Red oak (*Quercus rubra*), a prized North American hardwood, undergoes an assiduous manufacturing process. Harvested selectively from managed forests, logs are chosen based on quality and size, then debarked and cut in staging areas. Sawmills process the logs, utilizing methods like plain or quarter sawing for distinct grain patterns. Kiln-drying reduces moisture, and planing ensures a smooth finish. Further cutting, shaping, joinery, and assembly follow, with quality control measures in place.

The finished red oak products, enhanced with coatings for protection, undergo thorough checks before packaging for distribution. Sustainable forestry practices, including FSC certifications, are integral to minimize environmental impact and support conservation efforts.





RED OAK

SPECIFICATIONS

Common Name(s)	Red oak
Scientific Name	Quercus rubra
Distribution	Northeastern United States and Southeastern Canada
Tree Size	80-115 ft (25-35 m) tall, 3-6 ft (1-2 m) trunk diameter
Average Dried Weight	43.8 lbs/ft ³ (700 kg/m ³)
Specific Gravity (Basic, 12% MC)	0.56, 0.7
Janka Hardness	1,220 lbf (5,430 N)
Modulus of Rupture	14,380 lbf/in ² (99.2 MPa)
Elastic Modulus	1,761,000 lbf/in ² (12.14 GPa)
Crushing Strength	6,780 lbf/in ² (46.8 MPa)
Shrinkage	Radial: 4%, Tangential: 8.6%,
Volumetric	13.7%, T/R Ratio: 2.2