

# SAWN LUMBER

# RED OAK

GENERAL DESCRIPTION	
Merchandise Category	Lumber
Timber Species	Red Oak (Quercus rubra)
Unit of Measurement	Cubic Metre (CBM)
Hardness	From medium to high (Brinell: - N/mm <sup>2</sup> II to the grain, - N/mm <sup>2</sup> T to the grain)
Dimensional Stability	From medium to high
Oxidation	Medium
Tonality	Heartwood is a light to medium brown, commonly with a reddish cast; nearly white to light brown sapwood; sapwood is not always sharply demarcated from the heartwood
Histological Structure	Straight grain, medium to uneven and coarse texture

ESSENTIAL FEATURES	PERFORMANCE
Density	700 kg/m <sup>3</sup> dried
Shrinkage	Radial 4,2%, Tangential 8,9 %
Modulus of Elasticity	12500 MPa
Tensile Strength	5,5 MPa
Compressive Strength	46,6-50 MPa
Shear Strength	12,3 MPa
Flexural Strength	100-112 MPa
Biological Durability	Classes: 3-4 Fungi, n/d Anobium, S Termite
Impregnation	Classes: 2-3 Heartwood, 1 Sapwood

### QUALITY DESCRIPTION:

Quality class: Prime, it is predominantly defect free, limited trace of sap and small natural tiny pin knots are accepted

### DIMENSION:

- Variable length and widths.
- Thickness: 27mm - 33 mm - 40 mm 52 mm and others depending on the availability

Source: G. Giordano-Tecnologie del legno; Lignum; CTBA. Wood humidity: between 10 and 20% dried Reference Regulations: UNI EN 942 Timber in joinery-General requirements, UNI EN 350 Durability of wood and wood-based products

**MAIN USES:**

It is used for cabinetry, furniture, interior trim, flooring and veneer.

**WORKING PROPERTIES:**

Sawing is easy, drying is slow, with special attention to wood deformation; planning is easy, gluing, nailing and screwing are trouble free; finishing confers excellent results and can adopt almost every tone.



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