

SAWN LUMBER

WALNUT

GENERAL DESCRIPTION	
Merchandise Category	Lumber
Timber Species	Black Walnut (Juglans nigra L.)
Unit of Measurement	Cubic Metre (CBM)
Hardness	High (Brinell: 50-69 N/mm ² II to the grain, 25-28 N/mm ² T to the grain)
Dimensional Stability	From medium to high
Oxidation	From medium to high
Tonality	Sapwood is creamy white are slightly different, heartwood varies from light brown to chocolate brown, sometimes it presents purplish shades and darker stripes
Histological Structure	Straight and sometimes wavy grain, medium texture

ESSENTIAL FEATURES	PERFORMANCE
Density	650 kg/m ³
Shrinkage	Radial 4,3%, Tangential 6,4 %, Volumetric 12,8%
Modulus of Elasticity	11600 MPa
Tensile Strength	4,8 MPa
Compressive Strength	46-63 MPa
Shear Strength	7,0-8,9 MPa
Flexural Strength	92-118 MPa
Biological Durability	Classes: 3 Fungi, n/d Anobium, n/d Termite
Impregnation	Classes: 3-4 Heartwood, 1 Sapwood

QUALITY DESCRIPTION:

Appearance class and format: Super Prime, Super Prime One Face, Rustic

- Super Prime: it includes 27mm and 33mm thickness boards, predominantly knot-free, front face is minimum 90% clear, back face is minimum 70% clear; or it has 40-52-65-80 mm thickness boards, predominantly knot-free, front face is minimum 90% clear, back face is minimum 80% clear
- Super Prime One Face: it includes 27-33-40-52 mm thickness boards, predominantly knot-free, front face is minimum 90% clear, back face allows sap, colour distortion and knots
- Rustic: boards include knots and sapwood

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 extremely versatile and can be used for solid and laminated furniture, flooring, ceiling, doors, chipwood and plywood. Additionally, it can be used for musical instruments, domestic wood ware, packages, crates and boxes. It is often combined with clear wood species to create a better and shaded match.

WORKING PROPERTIES:

Sawing is easy, drying is slow, with a risk of collapse; planing is easy, gluing, nailing and screwing are trouble free; finishing confers excellent results.

CERTIFICATIONS:

There is the possibility to ask for FSC® certified products.



The mark of responsible forestry

Richiedi i prodotti certificati FSC®



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