

SAWN LUMBER

BEECH

GENERAL DESCRIPTION	
Merchandise Category	Lumber
Timber Species	Beech (Fagus Sylvatica L.)
Unit of Measurement	Cubic Metre (CBM)
Hardness	From medium to high for the green one, medium for the dried one (Brinell: 71 N/mm ² II to the grain, 28 N/mm ² T to the grain)
Dimensional Stability	Medium
Oxidation	Low
Tonality	White yellowish for the green one, more or less intense pinkish to light-brown for the dried one
Histological Structure	Straight and sometimes helicoidal grain, fine and uniform texture

ESSENTIAL FEATURES	PERFORMANCE
Density	730 kg/m ³ dried- 1050 kg/m ³ green
Shrinkage	Radial 5,5%, Tangential 11,9 %
Modulus of Elasticity	8350- 19400 MPa
Tensile Strength	130-160 MPa
Compressive Strength	38-78,5 MPa
Shear Strength	7-10,3 MPa
Flexural Strength	68-149 MPa
Biological Durability	Classes: 5 Fungi, S Anobium, S Termite
Impregnation	Classes: 1v Heartwood, 1 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

QUALITY DESCRIPTION:

Appearance class: Special S, Special One Face, Special CDN, Special Cabinet, Special Cabinet CND.

- Special S: top-quality, low knottiness allowed, uniform evaporation
- Special One Face: top-quality for single face applications, with a very high yield, no restrictions on the back face for colour and knots
- Special CDN : high-quality, without colour restrictions, low knottiness allowed on one face
- Special Cabinet: ideal product to get medium- and short-length elements, uniform colour, high knottiness allowed
- Special Cabinet CND: ideal product to get medium and short-length elements, non-uniform colour, high knottiness allowed

A and A/B quality un-edged boards (Without trimming) are also available.

DIMENSION:

- Random widths and lengths
- Thicknesses: 26 mm / (23,8 mm); 33 mm / (30,5 mm); 38 mm / (36 mm); 47 mm / (45 mm); 52 mm / (48,5 mm); 65 mm / (61,5 mm); 76-80 mm (on demand) and other depending on the availability

MAIN USES:

It is extremely versatile and can be used for solid and laminated furniture, flooring, ceiling, doors. Additionally, it can be used for musical instruments, domestic wood ware, packages, crates and boxes.

WORKING PROPERTIES:

Sawing is easy, drying is slow, with special attention to wrap; with a humid environment it is more flexible and subject to fungi attacks that might alter the color; planning is easy, gluing, nailing and screwing are trouble free; finishing confers excellent results and can adopt almost every tone.

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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