

# SAWN LUMBER

# IROKO

GENERAL DESCRIPTION	
Merchandise Category	Lumber
Timber Species	Iroko ( <i>Milicia excelsa</i> (Welw.) C.C. Berg, <i>M. regia</i> (A. Chev.) C.C. Berg)
Origin	Equatorial Africa
Unit of Measurement	Cubic Metre (CBM)
Hardness	Medium (Brinell: - N/mm <sup>2</sup> II to the grain, 23-36 N/mm <sup>2</sup> T to the grain)
Dimensional Stability	High
Oxidation	High
Tonality	Heartwood is usually yellow to golden or medium brown, with color tending to darken over time; pale yellow sapwood is clearly demarcated from the heartwood
Histological Structure	Quite regular and sometimes interlocked grain, medium to coarse texture

ESSENTIAL FEATURES	PERFORMANCE
Density	660 kg/m <sup>3</sup> dried- 1000 kg/m <sup>3</sup> green
Shrinkage	Radial 5,3%, Tangential 7,9 %
Modulus of Elasticity	10000 MPa
Tensile Strength	80 MPa
Compressive Strength	55 MPa
Shear Strength	12,4 MPa
Flexural Strength	116 MPa
Biological Durability	Classes: 1-2 Fungi, D Beetles, D Termite, D marine organism
Impregnation	Classes: 4 Heartwood, 1 Sapwood

### QUALITY DESCRIPTION:

Appearance class FAS / A: ideal for wood joinery in general, for prestigious furniture, interior joinery and solid wood mouldings. It is possible to obtain medium to long elements, defect free, medium knottiness, trace of sapwood are not considered a defect.

### DIMENSION:

- Variable lengths and widths
- Thicknesses: 27 mm - 33mm - 40 mm - 52 mm - 65 mm - 80 mm - 90 mm - 100 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:**

Iroko is most commonly used for veneer, flooring, furniture, cabinetry, boatbuilding, turned items, and other small specialty wood items.

**WORKING PROPERTIES:**

Sawing is easy, with attention to deposits of calcium carbonate, drying is easy; planning could be difficult; gluing, nailing and screwing are trouble free; finishing might be difficult, due to the high tannins content.

**CERTIFICATIONS:**

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



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The mark of responsible forestry



**Florian Legno S.p.A.**  
Registered Office: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Production Site: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Tel. +39 0423 4532 - Fax +39 0423 746588  
info@florianinc.com  
TVA registration number - IT00335200267



**Flo.it s.r.l.**  
Registered Office: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Production Site: Via Cal Longa 26 - Zona industriale  
31028 Vazzola (TV) - Italy  
Tel. +39 0438 442195 - Fax +39 0438 443649  
flo.it@florianinc.com  
TVA registration number - IT043040100268



**Fc Legnami s.r.l.**  
Registered Office: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Production Site: Via Bassanese 75  
31037 Bessica (TV) - Italy  
Tel. +39 0423 470155 - Fax +39 0 423 470633  
fclegnami@florianinc.com  
TVA registration number - IT04634820262



**Iskraleigno s.r.l.**  
Registered Office: Via delle Risorgive 20  
34074 Monfalcone - Italy  
Production Site: Via delle Risorgive 20  
34074 Monfalcone - Italy  
Tel. +39 0481 710670 - Fax +39 0481 723503  
iskraleigno@florianinc.com  
TVA registration number - IT00998770325



**DIN d.o.o. | Drvna Industrija Novoselec d.o.o.**  
Registered Office: Park Hrvatskih Mučenika 4  
10315 Novoselec - Croatia  
Production Site: Park Hrvatskih Mučenika 4  
10315 Novoselec - Croatia  
Tel. +385 12 897026 - Fax: +385 12 897115  
din@din.hr  
TVA registration number - HR09030392140



**ELDA DVRO d.o.o.**  
Registered Office: IV Maksimirsko Naselje 27  
10000 Zagreb - Croatia  
Production Site: IV Maksimirsko Naselje 27  
10000 Zagreb - Croatia  
Tel. +385 15 589294 - Fax +385 13 095506  
info.elda@floriangroup.hr  
TVA registration number - HR31336055559



**Lipovljani Lignum d.o.o.**  
Registered Office: Industrijska 24  
44322 Lipovljani - Croatia  
Production Site: Industrijska 24  
44322 Lipovljani - Croatia  
Tel. + 385 44 692900 - Fax + 385 44 692927  
info@floriangroup.hr  
TVA registration number - HR49775985272



**Otk d.o.o.**  
Registered Office: Vukoviceva 1/A Kaštelanec  
42204 Turčin - Croatia  
Production Site: Vukoviceva 1/A Kaštelanec  
42204 Turčin - Croatia  
Tel. +385 42 645450 - Fax +385 42 645451  
info.otk@floriangroup.hr  
TVA registration number - HR11860069196



**Di Čazma d.o.o.**  
Registered Office: Alojza Vulinca, 28  
43240 Čazma - Croatia  
Production Site: Alojza Vulinca, 28  
43240 Čazma - Croatia  
Tel. +385 43 772320 - Fax +385 43 771801  
info.dic@floriangroup.hr  
TVA registration number - HR48193612203



**Marsolat s.a.s.**  
Registered Office: 3 Rue de la Louvière  
70100 Velesmes Echevanne - France  
Production Site: 3 Rue de la Louvière  
70100 Velesmes Echevanne - France  
Tel. +33 3 84 327452 - Fax +33 3 84 327481  
contact.marsolat@florianinc.com  
TVA registration number - FR78426150025



**Magyarplan k.f.t.**  
Registered Office: 7570 Barcs, hrsz 521/4 - Hungary  
Production Site: 7570 Barcs, hrsz 521/4 - Hungary  
Tel. +36 82 862769 - Fax +36 82 862770  
magyarplan@gmail.com  
TVA registration number - HU11487984

www.florianinc.com