

Solid wood	Origin	Density (kg/m3)	Color	Resistance (Untreated)	Use	Processing	Properties
Abachi, (<i>Ayous/Wawa</i>)	Central Africa	350-550	Light cream	Good in dry and ventilated atmosphere	Hobby and model work, plywood	Easy	Soft, elastic. Not strong
European Mable (<i>Acer pseudoplatanus</i>)	Europe, West Asia	590	White, gets yellow in light	Not resistant	Furniture, Kitchen utensils, Music instruments	Easy	Hard, elastic
American Maple (<i>Acer saccharum</i>)	North America	680	Light cream with red tone	Not resistant	Gym floors, sports equipment	Medium. Pre-drilling necessary	Hard, tough, elastic
European Ash (<i>Fraxinus excelsior</i>)	Europe, Southwest Asia	650	Cream, light brown	Not resistant	Furniture, tools, boats, veneer	Easy. Pre-drilling necessary	Tough, elastic
American Ash (<i>Fraxinus ssp.</i>)	North America	640	Grey brown with red tone	Not resistant	Furniture, tools, boats, veneer	Easy. Pre-drilling necessary	Tough, elastic, high tensile strength
Birch (<i>Betula pendula</i>)	Europe	450-800	Yellow	Resistant indoor	Furniture, paper, plywood	Easy	Tough, elastic, flexible
European Beach (<i>Fagus sylvatica</i>)	Europe	680	Pale cream brown	Not resistant	Furniture, Kitchen utensils, Music instruments	Easy	Tough, pressure resistant
Hornbeam (<i>Caripnus betulus</i>)	Europe	720-850	Grey	Not resistant	Chopping blocks, Machines	Medium	Tough, very elastic
Western Red Cedar (<i>Thuja plicata</i>)	North America	380-400	Yellow-red	Medium resistant	Facades	Easy to medium	Weak against pressure and bending
Hickory (<i>Carya</i>)	East Asia, North America	830	Cream-white to light grey-brown	Resistant	Shafts, handles, wheels, drumsticks	Easy	Strong, hard tough, elastic

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Ipe (<i>Tabebuia</i>)	South America	1000	Striped brown/olive. Turns dark in light	Very resistant	Construction, poles, terraces	Heavy. Special tools needed	Very hard and tough
Iroko (<i>Milicia excelsa/regia</i>)	Central Africa	670	Yellow. Turns brown with a tone of olive in light	Resistant. Turns grey if not treated	Tables, artwork, boats	Medium. Can contain lime	Flexible, a little stronger than Oak. Low stiffness
Jatoba (<i>Hymenaea courbaril</i>)	Central America and Virgin Islands	900	Striped golden orange/brown	Resistant	Floors, terraces, boats, windows	Heavy	Tough, strong, stabile
Siberian larch (<i>larix sibirica</i>)	Siberia	600	Red-brown, turns darker in light	Medium resistant	Terraces, facades, boat decks, poles, sleepers	Medium, pre-drilling necessary	Strong, tough, elastic
Sipo Mahogany (<i>Entandrophragma utile</i>)	Central Africa	640	Red-brown	Medium resistant	Furniture, floors, boats, music instruments	Easy	Elastic and tough
Honduras Mahogany (<i>Sweitenia macrophylla</i>)	Central America	650	Red-brown	Medium resistant	Furniture, floors, boats, music instruments	Easy	Strong
Meranti (<i>Shorea spp.</i>)	South-east Asia	500-700	From grey-pink to dark red-brown	Resistant. The more red – the more resistant	In and outdoor woodwork, facades	Easy	Strong, hard. The more red -the stronger and harder
Merbau (<i>Intsia bijuga/palembanica</i>)	Soth-east Asia	800	Red-brown	Resistant	Construction, furniture, floors, tool handles	Medium, Pre-drilling necessary	Tough, hard

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European Oak (<i>Quercus robur/petraea</i>)	Europe	650	Grey-white/brown	Resistant	Furniture, floors, boats	Medium	Hard, strong, elastic, tough
American White Oak (<i>Quercus alba</i>)	North America	710-770	Light yellow-brown	Resistant	Furniture, floors, boats	Medium	Strong, elastic, pressure resistant
Oregon Pine (<i>pseuotsuga menziesii</i>)	Noth America, Western Europe	510	Light red-brown	Medium resistant	Plywood, in- and outdoor wood constructions, sleepers	Easy	Strong, stiff, elastic
Padauk (<i>Pterocarpus macrocarpus</i>)	South-east Asia, India, Indonesia	900	Red, red-brown	Resistant	Furniture, floors, tools	Heavy, Pre-drilling recommended	High strength, tough and elastic
Teak (<i>Tectona grandis</i>)	South-east Asia, India, Africa, Central and South America	630-900 depending on origin	Golden brown with a tone of grey-green	Very resistant	Furniture, Boat decks, terraces, handrails. Turns grey if not treated	Medium, Pre-drilling necessary	Very hard and elastic
American Walnut (<i>Juglans nigra</i>)	North America	560	Grey-brown to dark brown	Resistant	Furniture, inventory, shafts, gun butts, music instruments	Easy	Elastic, middle strength
Wenge (<i>Millettia laurentii</i>)	West and Central Africa	800	Striped brown/Chocolate brown to black	Resistant	Furniture, music instruments	Heavy, pre-drilling necessary	Strong, very elastic and tough
Zebrano (<i>Microberlinia brazzavillensis</i>)	West Africa	700-850	Striped yellow-grey/dark brown	Resistant	Tables, floors	Heavy. High content of resin	Elastic, hard

Wood properties DB-00/jegwan/17.02.2013