

Cigar Box Cedar

Cedrela Odorata

Family

Meliaceae

Description

Sapwood pinkish-white. Clearly demarcated from the heartwood which is red to reddish-brown. Lustre medium to high. Grain normally straight with little or no figure. Texture variable from fine and uniform to coarse and uneven. Growth rings distinct. Characteristic fragrant scent but no appreciable taste. Boles are 12 to 18m (40-60 feet) long, straight, cylindrical and buttressed, usually with eccentric hearts. Species is found in mixed rain forests on a variety of soils.

Characteristics

Timber air-seasons well with a tendency to end-checking during early stages. Kiln drying is rapid and satisfactory with little degrade. Stock works easily with hand and machine tools, and has little dulling effect on cutting edges. Planes to a good finish with a cutting angle of 30, provided knives are sharp. Nailing and varnish properties good. Can be glued very well. Stains readily. Takes varnish and polish with excellent results if filler is applied. Steam bending properties good. Peels well. Difficult to cut clean holes in mortising and boring unless the exit side is well supported. Heartwood occasionally subject to damage by pinhole borers. Resistant to termites. Heartwood extremely resistant to impregnation but sapwood permeable. Excellent weathering properties.

Uses

Structural Timber, Joinery, Furniture, Cabinet work, Veneer, Plywood, Interior trim, Turnery Ship and boat building, Vehicle body, Musical instruments, Pattern making, Boxes, Crates, Precision equipment, Block-board, Hardboard, Particle-board, Carvings.

Density

460 - 550 Kg/m³

Strength group

S5 - Green

Moisture Condition	Modulus of rupture		Modulus of elasticity x 10		Maximum crushing strength		Maximum shear strength	
	MPa	LBF/in	MPa	LBF/in	MPa	LBF/in	MPa	LBF/in
Green	51.7	7500	9.1	1320	25.8	3750	6.54	950
12%	79.2	11500	10.7	1550	46.2	6700	11.7	1700

Shrinkage

Tangential Green to 12% m.c.*	Radial Green to 12% m.c.*
2.6 - 4.0	1.1 - 2.0

*Moisture content

Durability

(Class 2, durable) Approximate life in contact with the ground (years), 15 to 20, for conditions significantly different from that represented by ground contact, the life expectancies of the species would obviously be longer than that indicated in this classification.

Please Note: Actual colours of wood may vary from displayed images.