

BOSSE

Guarea cedrata

HARVESTED IN:

West and Central Africa

FAMILY:

MORACEAE (angiosperm)



NOTE: Used as an alternative for Spanish Cedar due to color and aroma similarities.

WOOD DESCRIPTION

Color: Pinkish Brown
Sapwood: Clearly Demarcated
Texture: Fine
Grain: Wavy or Interlocked

AVAILABILITY

- Select & Better
- Mixed Grain
- 4/4, 6/4, 8/4 Thicknesses

COMMON USES

- Exterior Doors
- Sliced Veneer
- Moulding
- Base and Trimwork
- Paneling (Interior and Exterior)
- Cigar Boxes
- Joinery - (Interior and Exterior)
- Cabinetwork
- Rolling Shutters
- Light Carpentry



AIR DRY DENSITY
3.9 LBS/BF



SPECIFIC GRAVITY
0.63



EASY TO WORK



DURABLE



RESISTANT TO TERMITES

PHYSICAL PROPERTIES

MECHANICAL / ACOUSTIC

	<u>Mean</u>	<u>Std. Dev.</u>
Specific Gravity*:	0.63	0.6
Janka hardness (lbs):	940	
Volumetric shrinkage:	0.50%	0.06%
Total Tangential Shrinkage (TS):	6.8%	0.9%
Total Radial Shrinkage (RS):	4.1%	0.5%
TS/RS Ratio:	1.7%	
Fiber Saturation Point:	31%	
Stability:	Moderately Stable	

	<u>Mean</u>
Crushing Strength*:	7,910 lbf lbf
Static Bending Strength*:	13,810 lbf
Modulus of Elasticity*:	1,582,000 lbf
Musical Quality Factor:	86.3
	measured at 2747 Hz

*At 12% moisture content

SAWING / MACHINING / ASSEMBLING

Blunting Effect:	Fairly High
Sawteeth Recommended:	Stellite-Tipped
Cutting Tools:	Tungsten Carbide
Peeling:	Good
Slicing:	Good
Nailing / screwing:	Good
Note: Pre-boring may be necessary due to hardness.	

Gluing: Correct

Note: Gluing may be difficult due to resin extractions. The silica content of Bosse can be very high.
Irritant Sawdust.



Works Cited:

CIRAD'S Biomass, Wood, Energy, Bioproducts Research Unit (BioWooEB)
Meier, E. (2015, 2018), Wood, United States of America