Common name:	FREIJO				
Family:	BORAGINACEAE				
Scientific name(s):	Cordia goeldiana				
LOG DESCRIPTION		WOOD DESCRIPTI	ON		
Diameter:	from 50 to 90 cm	Colour:	Light brown		
Thickness of sapwood: Floats:	from 2 to 4 cm	Sapwood: Texture:	•	Clearly demarcated Medium	
Durability in forest :	yes Moderate (treatment	Grain:	Straight or inter	locked	
Durability in forest.	recommended)	Interlocked grain:	Slight	IOCKCU	
Note:		ey brown or golden brown some		veins. Larg	ge silver
	figure.				
PHYSICAL PROPERTIES			MECHANICAL PROPERTIES		
Physical and mechanical pro origin and growth condition		ure heartwood specimens. These	e properties can va	ry greatly	depending
<u> </u>	mean standard d	leviation	mean		standard
Density *:	0.58 g/cm3 0.03				deviation
Monnin hardness*:	2.3 0.3	Crushing strength *	: 4	8 MPa	7
Coef of volumetric shrinkage Total tangential shrinkage:	e: 0.55 % 0.08 6.3 % 1.1	Static bending stren	ngth *: 8	6 MPa	7
• •					
Total radial shrinkage:	4.3 % 1.0	Modulus of elasticit	tv *: 1727	0 MPa	2500
-	4.3 % 1.0 22 %	Modulus of elasticit	ty *: 1727	0 MPa	2500
Fibre saturation point:		Modulus of elasticit	-		
Fibre saturation point: Stability: NATURAL DURABILITY A Fungi and termite resistance Except for special comment Sapwood must always be co Fungi: Dry wood borers: Termites: Treatability:	22 % Moderately stable ND TREATABILITY refers to end-uses under s on sapwood, natural dur onsidered as non-durable Class 2 - durable Durable; sapwood dema Class M - Moderately du 3 - poorly permeable	(*: at 12 % moistur temperate climate. rability is based on mature hearty against wood degrading agents. urcated (risk limited to sapwood) urable	e content ; 1 MPa = wood.	= 1 N/mm2	d by natural y (according
Fibre saturation point: Stability: NATURAL DURABILITY A Fungi and termite resistance Except for special comment Sapwood must always be co Fungi: Dry wood borers: Termites: Treatability: Biological hazard class*:	22 % Moderately stable ND TREATABILITY refers to end-uses under s on sapwood, natural dur onsidered as non-durable Class 2 - durable Durable; sapwood dema Class M - Moderately du 3 - poorly permeable 3 - not in ground contact	( * : at 12 % moistur temperate climate. ability is based on mature hearty against wood degrading agents. urcated (risk limited to sapwood) urable et, outside exposed	e content ; 1 MPa =	* ensure durabilit	d by natural y (according
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Fibre saturation point: Stability: NATURAL DURABILITY A Fungi and termite resistance Except for special comment Sapwood must always be co Fungi: Dry wood borers: Termites: Treatability: Biological hazard class*: Note: COUNTRIES - LOCAL NAM Countries Loc	22 % Moderately stable ND TREATABILITY refers to end-uses under s on sapwood, natural dur onsidered as non-durable Class 2 - durable Durable; sapwood dema Class M - Moderately du 3 - poorly permeable 3 - not in ground contac This species is listed in t IES al names	( * : at 12 % moistur temperate climate. ability is based on mature hearty against wood degrading agents. urcated (risk limited to sapwood) urable et, outside exposed	e content ; 1 MPa =	* ensure durabilit	d by natural y (according
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## FREIJO

## REQUIREMENT OF A PRESERVATIVE TREATMENT

Against dry wood borer attacks: In case of temporary humidification risk: In case of permanent humidification risk: Does not require any preservative treatment Does not require any preservative treatment Use not recommended

DRYING		Possible drying schedule			
Drying rate: Risk of distortion:	Rapid Slight risk	M.C. (%)	Tempera dry-bulb	ature (°C) wet-bulb	Air humidity (%)
Risk of casehardening:NoRisk of checking:Slight riRisk of collapse:No	Slight risk	Green 40 30 20	50 50 55 70	47 45 47 55	84 75 67 47
		15	75	58	44

This shedule is given for information only and is applicable to thickness < 38 mm.

It must be used in compliance with the code of practice.

For thickness from 38 to 75 mm, the air relative humidity should be increased by 5 % at each step.

For thickness over 75 mm, a 10 % increase should be considered.

Note: Slight tendency to end checks.

SAWING AND MACHINING

Blunting effect:	Normal	
Sawteeth recommended:	Ordinary or alloy steel	
Cutting tools:	Ordinary	
Peeling:	Good	
Slicing:	Good	
Note:	Sometimes, grain tearing. Sharp tools are necessary to avoid woolliness.	

ASSEMBLING

Nailing / Screwing:	Good but pre-boring necessary
Gluing:	Correct
Note:	Tends to split in nailing.

## END-USES

Main known end-uses; they must to be implemented according to the code of practice. Important remark: some end-uses are mentionned for information (traditional, regional or ancient end-uses).

Cabinetwork (high class furniture) Sliced veneer Veneer for back or face of plywood Exterior joinery Interior joinery Interior panelling Exterior panelling Current furniture or furniture components Light carpentry Glued laminated Ship building (planking and deck) Vehicle or container flooring