Common name:	ANDIRA			
Family:	FABACEAE			
Scientific name(s):	Andira spp.			
LOG DESCRIPTION		WOOD DESCRIPTION		
Diameter:	from 60 to 90 cm	Colour: Red	l brown	
Thickness of sapwood:	from 3 to 5 cm	Sapwood: Cle	arly demarcated	
Floats:	no	Texture: Coa	arse	
Durability in forest :	Good	Grain: Stra	aight or interlocked	
		Interlocked grain: Slig	ght	1 1
Note:	Pink brown to red brown, ban	ds of light coloured parenchyma	tissue give this woo	d a distinctive
	figure. Presence of internal st	resses and wind shakes.		
PHYSICAL PROPERTIES		MECHANICAL PROPERT	TES	
Physical and mechanical p	roperties are based on mature he	artwood specimens. These prope	erties can vary great	ly depending on
origin and growth condition	ons.			
	mean standard deviati	on	mean	standard
Density *:	0.86 g/cm3 0.09			deviation
Monnin hardness*:	8.8 2.0	Crushing strength *:	72 MPa	12
Coef of volumetric shrinka	ge: 0.65 % 0.10	Static bending strength *:	128 MPa	24
Total tangential shrinkage	7.3 % 0.7			
Total radial shrinkage:	4.6 % 0.6	Modulus of elasticity *:	20170 MPa	4724
Fibre saturation point:	23 %	(* 100/	(1 MD 1 NI/	2
Stability:	Poorly stable	(*: at 12 % moisture conte	ent; I MPa = I N/mn	n2)
NATURAL DURABILITY Fungi and termite resistant Except for special commen Sapwood must always be	AND TREATABILITY ce refers to end-uses under tempe nts on sapwood, natural durability considered as non-durable again	rate climate. y is based on mature heartwood. st wood degrading agents.		
Fungi:	Class 2 - durable		* ensu	red by natural
Dry wood borers:	Durable; sapwood demarcated	l (risk limited to sapwood)	durabil	ity (according
Termites:	Class D - Durable		EN sta	ndards).
Treatability:	3 - poorly permeable			
Biological hazard class*:	4 - in ground or fresh water co	ontact or hight dampness		
Note:	The species Andira coriacea i	s very resistant to decay (class 1)); it covers naturally	the biological
	hazard class 5 (end-uses in ma	rine environment and in brackish	n water).	
COUNTRIES - LOCAL NA	MES			
Countries Lo	cal names			
Brazil AG	CAPURANA	-		
Brozil AI	MENIDDO DE DIO			

Brazil	ALMENDRO DE RIO
Brazil	ANDIRA
Brazil	ANDIRA UCHI
Brazil	ANGELIM
Colombia	CONGO
Ecuador	MOTON
French Guiana	SAINT MARTIN ROUGE
Guyana	BAT SEED
Guyana	KORARO
Mexico	MAQUILLA
Peru	QUINILLO COLORADO
Surinam	RODE KABBES
Trinidad and Tobago	ANGELIN
Venezuela	SARRAPIO MONTANERO

ANDIRA

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 Does not require any preservative treatment

DRYING		Possible drying schedule			
Drying rate: Risk of distortion:	Rapid to normal Slight risk	M.C. (%)	Tempera dry-bulb	ature (°C) wet-bulb	Air humidity (%)
Risk of casehardening: Risk of checking: Risk of collapse:	No Slight risk No	Green 50 40 30	42 48 48 48	39 43 43 43	82 74 74 74
		15	54	46	63

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.

SAWING AND MACHINING				
Blunting effect:	Fairly high			
Sawteeth recommended:	Stellite-tipped			
Cutting tools:	Tungsten carbide			
Peeling:	Bad			
Slicing:	Good			
Note:	It is difficult to obtain a smooth surface in planing because of the alternate bands of hard and soft wood. Splinters may cause infection.			
ASSEMBLING				
Nailing / Screwing: Gluing: Note:	Good but pre-boring necessary Correct (for interior only) Tends to split in nailing. Gluing must be done with care (dry wood and smooth surfaces).			

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) Exterior joinery Interior joinery Exterior panelling Sliced veneer Current furniture or furniture components Bridges (parts not in contact with water or ground) Heavy carpentry Wood frame house Industrial or heavy flooring Turned goods Vehicle or container flooring