Common name:	ANGELIM				
Family:	FABACEAE				
Scientific name(s):	Hymenolobium spp.				
LOG DESCRIPTION		WOOD DESCRIPTION			
Diameter:	from 70 to 120 cm	Colour: Orange - yellow			
Thickness of sapwood:	from 3 to 5 cm	Sapwood: Not clearly demarcated		narcated	
Floats:	no	Texture: Coarse			
Durability in forest :	Moderate (treatment		Interlocked		
NT	recommended)	-	Slight		
Note:	Heartwood yellow brown becom more or less frequent.	ling pinkish brown on expos	sure. Fairly imp	ortant wa	axen patches
PHYSICAL PROPERTIES		MECHANICAL PROPE	RTIES		
•	properties are based on mature hear	twood specimens. These pr	operties can va	ry greatl	y depending
origin and growth condition					
	mean standard deviation	1	mean		standard
Density *:	0.80 g/cm3 0.07				deviation
Monnin hardness*:	6.3 1.7	Crushing strength *:	6	7 MPa	7
Coef of volumetric shrinka		Static bending strength	*: 11	9 MPa	15
Total tangential shrinkage					-
Total radial shrinkage:	4.9 % 0.8	Modulus of elasticity *	: 2087	0 MPa	3828
Fibre saturation point:	25 %	1 (* 100/ *)		1	2
Stability:	Moderately stable to poorly stab	ne (*. at 12 % moisture et	Jittent, 1 Mira -	- 1 18/1111	12)
NATURAL DURABILITY					
-	ce refers to end-uses under tempera				
	nts on sapwood, natural durability i		d.		
Sapwood must always be	considered as non-durable against	wood degrading agents.			
Fungi:	Class 3 - moderately durable			* ensur	ed by natural
Dry wood borers:	Susceptible; sapwood not or slig	ntly demarcated (risk in all the wood)		durability (according	
Termites:	Class S - Susceptible			EN star	ndards).
Treatability:	2 - moderately permeable				
Biological hazard class*:	2 - not in ground contact, under	cover (dampness possible)	1		
Note:	Resistance to decay moderate to	o good according to the spe	cies.		
COUNTRIES - LOCAL NA					
Countries Lo	ocal names				
Brazil AN	NGELIM AMARELO				
Brazil AN	NGELIM ROSA				
Brazil M	IRARENA				
Brazil (Amazon) AN	NGELIM DA MATA				
· · · ·	NGELIM PEDRA				
, ,	PUPIRA AMARELLA				
	INT MARTIN GRIS				

SAINT MARTIN JAUNE

KORAROBALLI

MAKKAKABES

SAANDOE

French Guiana

Guyana

Surinam

Surinam

ANGELIM

REQUIREMENT OF A PRESERVATIVE TREATMENT

Against dry wood borer attacks: In case of temporary humidification risk: In case of permanent humidification risk: Requires appropriate preservative treatment Requires appropriate preservative treatment Use not recommended

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 30 20 15	60 68 74 80	56 58 60 61	81 61 51 41

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:

A slower drying speed can avoid defects.

SAWING AND MACHINING

Blunting effect:	Normal
Sawteeth recommended:	Ordinary or alloy steel
Cutting tools:	Ordinary
Peeling:	Bad
Slicing:	Good
Note:	Possible difficulties if the waxen patches are numerous. These patches remain visible after
	machining.

ASSEMBLING	
Nailing / Screwing:	Good but pre-boring necessary
Gluing:	Correct
Note:	Tendency to end checks 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).

Note:	A careful sanding must be done to obtain a good finish.
Interior joinery	
Interior panelling	
Exterior joinery	
Exterior panelling	
Current furniture or furnitur	re components
Moulding	
Stairs (inside)	
Heavy carpentry	
Industrial or heavy flooring	
Flooring	
Sliced veneer	