Common name:	CONGOTALI				
Family: Scientific name(s):	SAPOTACEAE Letestua durissima				
LOG DESCRIPTION		WOOD DESCRIPTIO	ON		
Diameter: Thickness of sapwood: Floats: Durability in forest : Note:	from 70 to 90 cm from 5 to 8 cm no Good Possible presence of win	Colour: Sapwood: Texture: Grain: Interlocked grain: d shakes.	Sapwood:Clearly demarcatedTexture:FineGrain:InterlockedInterlocked grain:Marked		
PHYSICAL PROPERTIES Physical and mechanical pro origin and growth condition	-	MECHANICAL PRO re heartwood specimens. These		ary greatl	y depending
	mean standard de	eviation	mean	l	standard
Density *:	1.10 g/cm3 0.02				deviation
Monnin hardness*: Coef of volumetric shrinkage	15.1 3.8 e: 0.73 % 0.04	Crushing strength *:	Ç	92 MPa	7
Total tangential shrinkage:	10.8 % 0.8	Static bending stren	gth *: 19	90 MPa	18
Total radial shrinkage:	7.8 % 0.9	Modulus of elasticit	y*: 2670	00 MPa	2250
Fibre saturation point:	23 %		-		
Stability: NATURAL DURABILITY A Fungi and termite resistance	refers to end-uses under te			= 1 N/mm	
	-	bility is based on mature heartw gainst wood degrading agents.	vood.		
Fungi: Dry wood borers:	Class 1 - very durable	cated (risk limited to sapwood)		durabili	ed by natural ity (according adards).
Termites:					
Termites: Treatability: Biological hazard class*: Note:	4 - not permeable4 - in ground or fresh waDue to its high specific g	ter contact or hight dampness ravity, its hardness and a high s ard class 5 (end-uses in marine e		-	•
Treatability: Biological hazard class*: Note:	4 - not permeable4 - in ground or fresh waDue to its high specific gcovers the biological haza	• •		-	•
Treatability: Biological hazard class*: Note: COUNTRIES - LOCAL NAM	4 - not permeable 4 - in ground or fresh wa Due to its high specific g covers the biological haza IES	ravity, its hardness and a high s		-	•
Treatability: Biological hazard class*: Note: COUNTRIES - LOCAL NAM Countries Loca	4 - not permeable4 - in ground or fresh waDue to its high specific gcovers the biological haza	ravity, its hardness and a high s		-	•

CONGOTALI

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

	Possible drying schedule			
Slow High risk	M.C. (%)	Tempera dry-bulb	ture (°C) wet-bulb	Air humidity (%)
No High risk No	Green 40 30 20	40 44 44 46	37 38 36 36	82 68 59 52 46
	High risk No High risk	SlowHigh riskM.C. (%)NoHigh riskNo30	SlowTemperaHigh riskM.C. (%)dry-bulbNoGreen40High risk4044No3044	SlowTemperature (°C)High riskM.C. (%)dry-bulbwet-bulbNoGreen4037High risk404438No304436204636

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:	High
Sawteeth recommended:	Stellite-tipped
Cutting tools:	Tungsten carbide
Peeling:	Not recommended or without interest
Slicing:	Not recommended or without interest
Note:	Must be sawn with the highest moisture content possible.
ASSEMBLING	

Nailing / Screwing:	Good but pre-boring necessary
Gluing:	Correct (for interior only)
Note:	Gluing must be done with care (very dense wood).

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:
 Can be used as substitute for AZOBE (Lophira alata).

 Hydraulic works (fresh water)

 Bridges (parts in contact with water or ground)

 Sleepers

 Industrial or heavy flooring

 Vehicle or container flooring

 Heavy carpentry

 Bridges (parts not in contact with water or ground)