Common name:	AVODIRE					
Family: Scientific name(s):	MELIACEAE Turraeanthus africanus					
LOG DESCRIPTION			WOOD DESCRIPTION	I		
Diameter: Thickness of sapwood: Floats: Durability in forest : Note:	from 50 to 70 cm from to cm yes Low (must be treated) Wood cream white or light yellow, ribbon like aspect on quartersawn.		Sapwood: Texture: Grain: Interlocked grain: , lustrous aspect, turns to	Light yellow Not demarcated Fine Straight or interlocked Slight to golden yellow with light. Moiré or		t. Moiré or
PHYSICAL PROPERTIES Physical and mechanical p origin and growth conditio		l on mature hearty	MECHANICAL PROPE vood specimens. These pr		ry greatl	y depending o
Density *:		andard deviation 0.06		mean		standard deviation
Monnin hardness*:	2.7	0.9	Crushing strength *:	5	2 MPa	7
Coef of volumetric shrinka Total tangential shrinkage:	-	0.11 1.1	Static bending strength	n*: 9	4 MPa	15
	3.8 %	0.6	Modulus of elasticity *	*: 1259	0 MPa	1550
Lotal radial shrinkage.			wiodulus of clusticity	. 1257	0 will a	1550
Fibre saturation point: Stability:	39 % stable		(*: at 12 % moisture co	ontent ; 1 MPa =	= 1 N/mm	12)
Fibre saturation point: Stability: NATURAL DURABILITY Fungi and termite resistanc Except for special commen	39 % stable AND TREATABIL ce refers to end-use nts on sapwood, nat	JTY s under temperate tural durability is	climate. based on mature heartwoo		= 1 N/mm	n2)
Total radial shrinkage: Fibre saturation point: Stability: NATURAL DURABILITY Fungi and termite resistanc Except for special commen Sapwood must always be of Fungi: Dry wood borers: Termites: Treatability:	39 % stable AND TREATABIL ce refers to end-use its on sapwood, nat considered as non- Class 4 - poorly Susceptible; sap Class S - Suscep	JTY s under temperate tural durability is durable against w durable pwood not or sligh otible	climate. based on mature heartwoo	od.	* ensur durabil	ed by natural
Fibre saturation point: Stability: NATURAL DURABILITY Fungi and termite resistanc Except for special commen Sapwood must always be of Fungi: Dry wood borers: Termites: Treatability: Biological hazard class*:	39 % stable AND TREATABIL ce refers to end-use its on sapwood, nai considered as non- Class 4 - poorly Susceptible; sap Class S - Suscep 4 - not permeabl 2 - not in groun	JTY s under temperate tural durability is durable against w durable wood not or sligh otible e d contact, under c isted in the Europe	climate. based on mature heartwoo rood degrading agents.	od. l the wood)	* ensur durabil	ed by natural ity (according
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AVODIRE

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 Use not recommended Use not recommended

DRYING		Possible drying schedule			
Drying rate: Risk of distortion:	Rapid to normal High risk	M.C. (%)	Tempera dry-bulb	ture (°C) wet-bulb	Air humidity (%)
Risk of casehardening: Risk of checking: Risk of collapse:	No Slight risk No	Green 40	50 50	47 45	84 75
Nisk of conupse.	10	30 20 15	55 70 75	47 55 58	67 47 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: Existing end checks tend to enlarge.

SAWING AND MACHINING

Blunting effect:	Normal	
Sawteeth recommended:	Ordinary or alloy steel	
Cutting tools:	Ordinary	
Peeling:	Bad	
Slicing:	Good	
Note:	Poor aptitude for peeling (irregular logs). Very irritant sawdust; good ventilation required.	
	Sometimes tearing in planing.	
ASSEMBLING		
Nailing / Screwing:	Good but pre-boring necessary	
Gluing:	Correct	

END-USES

Note:

Main known end-uses; they must to be implemented according to the code of practice.

Slight tendency to split in nailing.

Important remark: some end-uses are mentionned for information (traditional, regional or ancient end-uses).

Note:	Substitute for SYCOMORE (Acer spp.) for furnitures.
Cabinetwork (high	n class furniture)
Sliced veneer	
Interior joinery	
Interior panelling	
Current furniture of	or furniture components
Musical instrumer	its
Moulding	