Common name:	EBENE D'AFRIQUE				
Family:	EBENACEAE	EBENACEAE			
Scientific name(s):	Diospyros crassiflora				
	Diospyros mespiliformis				
Note:	Other African Diospyros species are not commercialized due to their light colour (ex.: D.				
		re are a lots of other Diospyros species	1 1		
	0 1	Madagascar, D. celebica and D. rump	hii (Ebène de Macassar).		
	Wood often commercialized	in small logs of 1 m to 1,5 m long.			
LOG DESCRIPTION		WOOD DESCRIPTION			
Diameter:	from 30 to 60 cm	Colour: Black			
Thickness of sapwood	l: from 5 to 12 cm		demarcated		
Floats:	no	Texture: Fine			
Durability in forest :	Good	•	or interlocked		
Note:	Logg may present different k	Interlocked grain: Slight	las and heartwood rote		
note:		inds of defects, especially small pinho ack brown (D. mespiliformis).	tes and neartwood rols.		
		· · · · · · · · · · · · · · · · · · ·			
PHYSICAL PROPER		MECHANICAL PROPERTIE			
origin and growth con		eartwood specimens. These properties	can vary greatly depending		
origin and growin con	mean standard deviat	tion	mean standard		
Density *:	0.90 g/cm3 0.06		deviation		
Monnin hardness*:	7.0 0.6	Crushing strength *:	58 MPa 8		
Coef of volumetric shi					
Total tangential shrink	kage: 11.0 % 0.5	Static bending strength *:	130 MPa 31		
Total radial shrinkage		Modulus of elasticity *:	15500 MPa 3500		
Fibre saturation point:					
Stability:	Poorly stable	(*: at 12 % moisture content;			
Note:	· ·	according to the species and the origin	; thus, specific gravity may		
	vary from 0,75 to 1,1.				
NATURAL DURABI	LITY AND TREATABILITY				
Fungi and termite resi	stance refers to end-uses under temp	perate climate.			
	nments on sapwood, natural durabili				
Sapwood must always	s be considered as non-durable again	st wood degrading agents.			
Fungi:	Class 1 - very durable		* ensured by natural		
Dry wood borers:	Durable; sapwood demarcate	ed (risk limited to sapwood)	durability (according		
Termites:	Class D - Durable		EN standards).		
Treatability:	4 - not permeable				
Use class*:	4 - in ground or fresh water of	contact			
	<b>F</b> 0				
MAIN LOCAL NAM Countries	Local names				
Benin	CUBAGA	_			
Benin	EBENE				
Cameroon	EDENE EPINDE-PINDE				
Cameroon	MAVINI				
Cameroon	MEVINI				
Cameroon	NDOU				
Central African Rep	BINGO				
Central African Rep	NGOUBOU				
Congo	MODINI				

MOPINI

EBANO

ABOKPO

KANRAN

NYARETI

AFRICAN EBONY

AFRIKANISCHES EBENHOLZ

OSIBIN

**EVILA** 

Congo

Gabon

Nigeria

Nigeria

Nigeria

Nigeria

Germany

United Kingdom

Equatorial Guinea

#### EBENE D'AFRIQUE

# 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:	Slow High risk	M.C. (%)	Tempera dry-bulb	ature (°C) wet-bulb	Air humidity (%)
Risk of casehardening: Risk of checking: Risk of collapse:	No High risk No	30 25 20 15	42 42 48 48	41 39 43 43	94 82 74 74

This schedule 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:	Good
Note:	For machining and slicing, powerful machines are necessary due to the high hardness. Sawdust
	may cause dermatitis.

## ASSEMBLING

Nailing / Screwing:	Good but pre-boring necessary
Gluing:	Correct

### 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 preliminary surface treatment with alcohol is recommended for polyester coatings and undercoats.
Wood-ware	
Turned goods	
Musical instrumer	nts
Wind instruments	
Cabinetwork (high	h class furniture)
Sculpture	
Tool handles (resi	lient woods)