

Family: ANACARDIACEAE (angiosperm)

Scientific name(s): Swintonia floribunda  
Swintonia foxworthyi  
Swintonia schwenkii  
Swintonia spicifera  
Swintonia spp.

Commercial restriction: no commercial restriction

## WOOD DESCRIPTION

Color: light brown  
Sapwood: not clearly demarcated  
Texture: coarse  
Grain: straight  
Interlocked grain: absent

Note: Wood light brown with or without pink to reddish brown glints. Lustrous surface. Grain sometimes wavy. Presence of tension wood.

## LOG DESCRIPTION

Diameter: from 60 to 100 cm  
Thickness of sapwood:  
Floats: yes  
Log durability: moderate (treatment recommended)

## PHYSICAL PROPERTIES

Physical and mechanical properties are based on mature heartwood specimens. These properties can vary greatly depending on origin and growth conditions.

	<u>Mean</u>	<u>Std. dev.</u>
Specific gravity *:	0,75	
Monnin hardness *:	5,5	
Coeff. of volumetric shrinkage:	0,52 %	
Total tangential shrinkage (TS):	7,2 %	
Total radial shrinkage (RS):	4,8 %	
TS/RS ratio:	1,5	
Fiber saturation point:	24 %	
Stability:	moderately stable	

## MECHANICAL AND ACOUSTIC PROPERTIES

	<u>Mean</u>	<u>Std. dev.</u>
Crushing strength *:	66 MPa	1 MPa
Static bending strength *:	114 MPa	
Modulus of elasticity *:	20060 MPa	

(\*: at 12% moisture content, with 1 MPa = 1 N/mm<sup>2</sup>)

## NATURAL DURABILITY AND TREATABILITY

Fungi and termite resistance refers to end-uses under temperate climate. Except for special comments on sapwood, natural durability is based on mature heartwood. Sapwood must always be considered as non-durable against wood degrading agents.

E.N. = Euro Norm

Funghi (according to E.N. standards): class 5 - not durable  
Dry wood borers: susceptible - sapwood not or slightly demarcated (risk in all the wood)  
Termites (according to E.N. standards): class S - susceptible  
Treatability (according to E.N. standards): class 2 - moderately permeable  
Use class ensured by natural durability: class 1 - inside (no dampness)  
Species covering the use class 5: No  
Note: Treatability moderate to good.

## REQUIREMENT OF A PRESERVATIVE TREATMENT

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

## DRYING

Drying rate: normal

Risk of distortion: slight risk

Risk of casehardening: no

Risk of checking: slight risk

Risk of collapse: no

Note: Risk of coloration during drying.

Possible drying schedule: 4

M.C. (%)	Temperature (°C)		Air humidity (%)
	dry-bulb	wet-bulb	
Green	42	39	82
50	48	43	74
40	48	43	74
30	48	43	74
15	54	46	63

This schedule is given for information only and is applicable to thickness lower or equal to 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: normal

Sawteeth recommended: ordinary or alloy steel

Cutting tools: ordinary

Peeling: good

Slicing: not recommended or without interest

Note: Wood difficult to saw in presence of tension wood. Sap and green timber may cause irritations. Sometimes, presence of silica.

## ASSEMBLING

Nailing / screwing: good

Gluing: correct

## COMMERCIAL GRADING

Appearance grading for sawn timbers: According to MGR grading rules (2009)

Possible grading: Prime, Select, Standard, Serviceable, Utility

## FIRE SAFETY

Conventional French grading: Thickness > 14 mm : M.3 (moderately inflammable)

Thickness < 14 mm : M.4 (easily inflammable)

Euroclasses grading: D s2 d0

Default grading for solid wood, according to requirements of European standard EN 14081-1 annex C (April 2009). It concerns structural graded timber in vertical uses with mean density upper 0.35 and thickness upper 22 mm.

## END-USES

Boxes and crates

Matches

Veneer for back or face of plywood

Blockboard

Interior panelling

Note: Other possible end-uses: exterior joinery (subject to tests).

Light carpentry

Veneer for interior of plywood

Current furniture or furniture components

Interior joinery

## MAIN LOCAL NAMES

Country

Cambodia  
Peninsular Malaysia  
Myanmar  
Pakistan

Local name

MUOM  
MERPAU  
CIVIT TAUNG THAYET  
CIVIT

Country

India  
Malaysia (islands)  
Myanmar  
Vietnam

Local name

THAYET-KIN  
MERPAU  
TAUNG-THAYET  
MUOM

