Common name:	PINUS PATULA				
Family: Scientific name(s):	PINACEAE Pinus patula				
LOG DESCRIPTION		WOOD DESCRIPT	ION		
Diameter: Thickness of sapwood: Floats: Durability in forest : Note:	from 40 to 90 cm from to cm yes Low (must be treated) Mainly plantation wood. More or less numerous knots an	Colour:Creamy whiteSapwood:Not clearly demarcatedTexture:FineGrain:StraightInterlocked grain:Absent			
PHYSICAL PROPERTI Physical and mechanical origin and growth condit	properties are based on mature hear	MECHANICAL PRO twood specimens. These		ary greatl	y depending on
	mean standard deviation	1	mean	l	standard
Density *: Monnin hardness*:	0.49 g/cm3 2.2	Crushing strength *:		39 MPa	deviation
Coef of volumetric shrin		0 0			
Total tangential shrinkag		Static bending streng	gth *: 6	59 MPa	
Total radial shrinkage:	3.4 %	Modulus of elasticity *: 1135		50 MPa	
Fibre saturation point:	31 %				
Stability:	Moderately stable to stable	(*: at 12 % moisture content ; 1 MPa = 1 N/mm2)			
Note:	Physical and mechanical proper	ties vary according to the	e age and origin.		
Fungi and termite resista Except for special comm	TY AND TREATABILITY nce refers to end-uses under tempera ents on sapwood, natural durability e considered as non-durable against Class 5 - not durable	is based on mature hearty	vood.	* ensur	ed by natural
Dry wood borers: Termites:	Susceptible; sapwood not or slightly demarcated (risk in all the wood) Class S - Susceptible		durabil	durability (according EN standards).	
Treatability: Use class*:	<ol> <li>1 - easily permeable</li> <li>1 - inside (no dampness)</li> </ol>				
Note:	Often very important sapwood; preservative treatment.	end-uses under use class	4 possible with a	an adequa	ite
MAIN LOCAL NAMES					
Countries I	Local names	ocal names			
Mexico (	DCOTE				

### PINUS PATULA

### 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 Requires appropriate preservative treatment

DRYING		Possible drying schedule				
Drying rate: Risk of distortion:	Rapid 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 50 40 30 15	42 48 48 48 54	39 43 43 43 43	82 74 74 74 63	

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.

# Note: Prone to blue stain.

## SAWING AND MACHINING

Blunting effect:	Normal
Sawteeth recommended:	Ordinary or alloy steel
Cutting tools:	Ordinary
Peeling:	Good
Slicing:	Not recommended or without interest
Slicing:	Not recommended or without interest

#### ASSEMBLING

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#### **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:	Light construction and shingle with treatment. Above mentionned end-uses depend on the wood quality (knots more or less numerous).
Fiber or particle b	oards
Pulp	
Posts	
Veneer for interio	r of plywood
Glued laminated	
Exterior joinery	
Interior joinery	
Interior panelling	
Current furniture	or furniture components
Formwork	
Light carpentry	