Common name:	SUGI					
Family: Scientific name(s):	TAXODIACEA Cryptomeria jap					
Note:			sed for reforestation outsi	ide its native ar	ea.	
LOG DESCRIPTION			WOOD DESCRIPTIO			
Diameter:		120 cm	Colour:	Red brown		
Thickness of sapwood		7 cm	Sapwood:	Clearly demai	cated	
Floats:	yes		Texture:	Fine	curca	
Durability in forest :	Low (must be the	reated)	Grain:	Straight		
·			Interlocked grain:	Absent		
Note:	Usually, plantat					
	Light yellow sa	pwood, heartwoo	d red brown. Rather knot	tty.		
PHYSICAL PROPER	TIES		MECHANICAL PRC	OPERTIES		
Physical and mechanic	cal properties are based	l on mature heart	wood specimens. These p	properties can v	ary greatl	y depending or
origin and growth con-						
		andard deviation		mea	n	standard
Density *:	0.34 g/cm3	0.04				deviation
Monnin hardness*:	1.0	0.4	Crushing strength *:		28 MPa	6
Coef of volumetric shi Total tangential shrink		0.04 0.9	Static bending strengt	th *:	46 MPa	11
Total tangential similik		0.5	Modulus of elasticity	*. 50	30 MPa	1897
	: 2.1 %			·		
Total radial shrinkage:		0.5	j	. 30		
		0.5	(*: at 12 % moisture			
Total radial shrinkage: Fibre saturation point:	31 % stable This data sheet	presents physical		e content ; 1 MF	Pa = 1 N/m	1m2)
Total radial shrinkage: Fibre saturation point: Stability:	31 % stable	presents physical	(*: at 12 % moisture	e content ; 1 MF	Pa = 1 N/m	1m2)
Total radial shrinkage: Fibre saturation point: Stability: Note:	31 % stable This data sheet from the Reunio	presents physical on island.	(*: at 12 % moisture	e content ; 1 MF	Pa = 1 N/m	1m2)
Total radial shrinkage: Fibre saturation point: Stability: Note: NATURAL DURABI	31 % stable This data sheet from the Reunio	presents physical on island. BILITY	(*: at 12 % moisture and mechanical properti	e content ; 1 MF	Pa = 1 N/m	1m2)
Total radial shrinkage: Fibre saturation point: Stability: Note: NATURAL DURABI Fungi and termite resis	31 % stable This data sheet from the Reunio LITY AND TREATA stance refers to end-use	presents physical on island. BILITY es under tempera	(*: at 12 % moisture and mechanical properti	e content ; 1 MF ies of plantatior	Pa = 1 N/m	1m2)
Total radial shrinkage: Fibre saturation point: Stability: Note: NATURAL DURABI Fungi and termite resis Except for special con	31 % stable This data sheet from the Reunio LITY AND TREATA stance refers to end-use	presents physical on island. BILITY es under tempera ttural durability is	(*: at 12 % moisture and mechanical properti te climate.	e content ; 1 MF ies of plantatior	Pa = 1 N/m	1m2)
Total radial shrinkage: Fibre saturation point: Stability: Note: NATURAL DURABI Fungi and termite resis Except for special con Sapwood must always	31 % stable This data sheet from the Reunio LITY AND TREATAL stance refers to end-use nments on sapwood, na	presents physical on island. BILITY es under tempera atural durability is durable against w	(*: at 12 % moisture and mechanical properti te climate.	e content ; 1 MF ies of plantatior	Pa = 1 N/n 1 wood ma	1m2)
Total radial shrinkage: Fibre saturation point: Stability: Note: NATURAL DURABI Fungi and termite resis Except for special con Sapwood must always Fungi:	31 % stable This data sheet from the Reunio LITY AND TREATAN stance refers to end-use nments on sapwood, na	presents physical on island. BILITY es under tempera atural durability is durable against w	(*: at 12 % moisture and mechanical properti te climate.	e content ; 1 MF ies of plantatior	Pa = 1 N/n n wood ma	nm2) ainly coming
Total radial shrinkage: Fibre saturation point: Stability: Note: NATURAL DURABI Fungi and termite resis Except for special con Sapwood must always Fungi: Dry wood borers:	31 % stable This data sheet from the Reunio LITY AND TREATAL stance refers to end-use ments on sapwood, na s be considered as non- Class 5 - not du	presents physical on island. BILITY es under tempera atural durability is durable against v irable	(*: at 12 % moisture and mechanical properti te climate.	e content ; 1 MF ies of plantatior	Pa = 1 N/n n wood ma * ensur durabil	1m2) hinly coming ed by natural
Total radial shrinkage: Fibre saturation point: Stability: Note: NATURAL DURABI Fungi and termite resis Except for special con Sapwood must always Fungi: Dry wood borers: Termites: Treatability:	31 % stable This data sheet from the Reunio LITY AND TREATAL stance refers to end-use nments on sapwood, na be considered as non- Class 5 - not du Susceptible Class S - Susce 3 - poorly perm	presents physical on island. BILITY es under tempera atural durability is durable against v trable ptible teable	(*: at 12 % moisture and mechanical properti te climate.	e content ; 1 MF ies of plantatior	Pa = 1 N/n n wood ma * ensur durabil	nm2) hinly coming ed by natural ity (according
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SUGI

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	Possible drying schedule			
Drying rate: Risk of distortion:	Rapid to normal Slight 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	Green 50 30 20 15	42 48 54 60 60	41 43 46 51 51	94 74 63 62 62	

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:	Normal
Sawteeth recommended:	Ordinary or alloy steel
Cutting tools:	Ordinary
Peeling:	Good
Slicing:	Good
Note:	Knots may be troublesome in machining and moulding. Steaming is recommended during slicing
	and peeling.
ASSEMBLING	

ASSEMBLING			
Nailing / Screwing: Gluing:	Poor 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:	Usually plantation wood. Specific gravity varies from 0.27 to 0.47. It is then important to take this variation into account for the mentionned end-uses.

Boxes and crates Formwork Veneer for interior of plywood Interior panelling Current furniture or furniture components Sliced veneer Light carpentry Interior joinery Pulp