



Saligna – *Eucalyptus saligna*

Other Names: NZ Red Eucalypt, Sydney Blue Gum

Region of Origin: New Zealand, Australia

SPECIES OVERVIEW:

Saligna is a light to dark pink coloured eucalypt. It is heavy, fairly hard, with a course, even texture, reasonably easy to work but difficult to dry.

MAIN USES:

Flooring, decking, joinery and exterior furniture.

WORKING PROPERTIES:

Saligna is comparatively easy to work, nail and dress and takes a good polish.

MECHANICAL PROPERTIES:

It is not as strong as the best hardwoods of Australia but is very strong in proportion to its weight. Can have a high variation in weight and density.

AVAILABILITY:

Specifications stocked at Rosenfeld Kidson are:
Ex 100x25mm decking, T&G strip flooring and overlay profiles.

GRADING:

Heart.

DENSITY (kg/m³)*:

660

DURABILITY:

Moderately durable

STRENGTH GROUP:

SD4

MOR (MPa):

118

MOE(GPa):

14.9

JANKA(kN):

5.7

SHRINKAGE GREEN TO 12% M.C.

Tangential

Radial

9.0

5.0

*Air Dry Density (kg/m³) is average indication only and actual value may vary. Refer to timber properties tables over page for strength, shrinkage and durability classifications.



STRENGTH GROUPINGS:

Minimum values for strength groups (unseasoned timber)			
(units are Mpa = 145 lb/sq.inch)			
Strength group	Modulus of rupture	Modulus of elasticity	Maximum crushing strength
S1	103	16300	52
S2	76	14200	43
S3	73	12400	36
S4	62	10700	31
S5	52	9100	26
S6	43	7900	22
S7	36	6900	18

Minimum values for strength groups (seasoned timber)			
(units are Mpa = 145 lb/sq.inch)			
Strength group	Modulus of rupture	Modulus of elasticity	Maximum crushing strength
SD1	150	21500	80
SD2	130	18500	70
SD3	110	16000	61
SD4	94	14000	54
SD5	78	12500	47
SD6	65	10500	41
SD7	55	9100	36
SD8	45	7900	30

SHRINKAGE CLASSIFICATIONS:

Description of shrinkage	Shrinkage from Green to Oven-dry (12% MC)	
	(% before reconditioning)	
	Tangential	Radial
Very low	0 - 3.5	0 - 2
Low	3.5 - 5.0	2 - 3
Medium	5.0 - 6.5	3 - 4
High	6.5 - 8.0	4 - 5
Very high	> 8.0	> 5

DURABILITY CLASSIFICATIONS:

Grade of durability	Approximate service life (years)		
	Fully protected	Above ground, exposed	In-ground, exposed
Very durable	>50	>40	>25
Durable	>50	15-40	15-25
Moderately durable	>50	7-15	5-15
Non-durable	>50	0-7	0-5