



**Rimu** – *Dacrydium cupressinum*

**Other Names:** Red Pine

**Country of Origin:** New Zealand

**SPECIES OVERVIEW:**

Rimu is a fine, even-textured, medium-density softwood. The seasoned heartwood is reddish-brown, sometimes yellowish-brown and has pigmented figure which fades on exposure to light. The intermediate zone has an even, light-brown colour and sapwood a lighter brown tone. It is straight grained. Rimu is sourced from sustainably managed resources, strictly monitored and audited by MAF.

**MAIN USES:**

Typically used in flooring, furniture and cabinetmaking and interior joinery.

**WORKING PROPERTIES:**

There is slight dulling effect on cutters and the material works readily. It paints and finishes well but has a tendency to split when nailed.

**MECHANICAL PROPERTIES:**

Medium crushing strength, low bending strength and resistance to shock loads and a very low stiffness category. It also has a very poor steam bending classification.

**AVAILABILITY:**

Specifications stocked at Rosenfeld Kidson are: Kiln-dried sawn 25mm, 40mm and 50mm thicknesses in varying fixed widths. T&G strip flooring and overlay profiles.

**GRADING:**

Dressing A Heart, Dressing A Coloured, Dressing A Sap, Dressing B Coloured/Heart, Dressing B Sap.

DENSITY (kg/m3)*:	560	
DURABILITY:	Moderately Durable	
STRENGTH GROUP:	SD7	
MOR (MPa):	Unseasoned 50	Seasoned 76
MOE(GPa):	Unseasoned 7.7	Seasoned 8.7
JANKA(kN):	3.7	
SHRINKAGE GREEN TO 12% M.C.	Tangential 7.0	Radial 2.0

\*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)			
<i>(units are Mpa = 145 lb/sq.inch)</i>			
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)			
<i>(units are Mpa = 145 lb/sq.inch)</i>			
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