

TABLE OF ALTERNATIVE CONSTRUCTION TIMBERS

Common Name	Availability	Framing	Ext Finish Painted	Ext Finish Clear	External joinery	Floor internal	Floor external	Internal Finish	Strength Building	Strength Engineering	Durability	Botanical Name
Exotic Soft-woods												
Douglas Fir	B	H	F	I	I	I	J	H	K	O	T	Pseudotsuga menziesii
Macrocarpa	C	H	F	I	I	I	I	H	M	P	U	Cupressus macrocarpa
Radiata	A	G	G	G	G	H	H	H	K	O	T	Pinus radiata
Redwood	D	J	F	I	I	J	J	J	M	P	U	Sequoia sempervirens
Lawson Cypress	D	H	F	J	I	I	I	J	M	P	U	Chamaecyparis lawsoniana
Larch	C	H	F	I	I	J	J	H	K	O	T	Larix decidua
Exotic Hard-woods												
Eucalypt Regnans	E	J	J	J	J	F	F	J	N	P	T	Eucalyptus Regnans
Eucalypt Saligna	C	J	J	J	J	F	F	J	N	P	V	Eucalyptus Saligna
Indigenous Soft-woods												
Kahikatea	C	G	G	J	G	G	J	H	L	Q	T	Podocarpus dactyloides
Kauri	D	F	F	I	F	F	F	H	N	R	T	Agathis australis
Matai	D	F	F	I	F	F	F	H	N	R	T	Podocarpus spicatus
Rimu	B	F	F	I	F	F	F	H	N	R	U	Dacrydium cupressinum
Indigenous Hard-woods												
Red Beech	D	F	F	F	I	F	F	H	L	O	V	Nothofagus fusca
Silver Beech	C	J	F	F	J	F	F	H	L	O	U	Nothofagus menziesii
Tawa	C	G	F	J	J	G	J	H	L	Q	S	Beilschmiedia tawa

Key

	Rating	Description
Availability	A	Readily available
	B	Generally available
	C	Limited availability
	D	Only small quantities available
	E	Very limited supply
Suitability for use	F	Suitable heart or treated
	G	Suitable treated
	H	Suitable untreated
	I	Suitable heart
	J	Not suitable, or not usually used
Grades suitable for building	K	No 1F and No 2F
	L	Framing
	M	No 1 and No 2 grading rules, unassigned strengths
	N	Framing grading rules, unassigned strengths
Grading suitable for engineering uses	O	Grading rules and strengths
	P	Grading rules, and no assigned strength
	Q	No grading rules, but assigned strengths
	R	No grading rules, and no assigned strength
Natural Durability of heartwood	S	Perishable (5 years)
	T	Non-durable (5-10 years)
	U	Moderately durable (10-15 years)
	V	Durable (15-20 years)