

# CHECKLIST FOR SPECIES PREFERENCES

Species	Basic density	Stability	Durability in ground	Growth stresses	Strength	Stiffness	Hardness	Sawing	Drying	Finishing
Kauri	Medium	Excellent	Moderate	Nil	Medium	Medium	Medium	Easy	Easy - low temperature	Needs careful handling
Exotic kauri	Low	Excellent	Poor	Nil	Medium	Low-medium	Low?	Easy	Good - tendency to collapse	Mostly good
Totara	Medium	Excellent	High	Low	Medium	Medium	Medium	Easy	Low temperature very slow	Excellent
Rimu	Medium-high	Moderate	Moderate	Low	Good	Good	Good	Easy	Slow	Excellent
Puriri	Very high	Good	Excellent	Nil	High	High	Good	Difficult	Low temperature very slow	Excellent
Manuka / kanuka	High		Poor	Low?	High	Good?	Good?	Difficult?	Slow	Excellent
Redwood	Low-medium	Good	Moderate	Nil	Low	Low	Low	Easy	Good	Excellent
Cypresses	Low-medium	Good	Moderate	Nil	Good	Good	Moderate	Easy	Some collapse & checking. Pre-drying recommended, low temp in kiln	Good
Eucalypts	Medium	Medium-high	Good-poor	Slight, some collapse & checking	Good-high	Good-high	Good		Slight collapse, brittleheart	Good

## Classes

Basic density	Low <400	Medium 400 - 600	High 600+
Durability (ground contact)	Low <15	Medium 15 - 25	High 25+
Strength (GPa)	Low <4.5	Medium 4.6 - 9.5	High 9.6+
Stiffness (MPa)	Low <8	Medium 8.1 - 14.0	High 14.1+

*Note: all species are variable in their properties, therefore only averages are indicated.*

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