

RADIATA PINE SPECIFICATION



Common Name(s) : Radiata Pine

Botanical Name : Pinus radiata

DISTRIBUTION

The species originates in California USA, where it is known as Monterey Pine.

In New Zealand, the species is grown in **renewable plantation forests** throughout the country. A number of New Zealand's forests are FSC certified.

QUALITY STANDARDS AND GENERAL PROPERTIES

Through selective breeding over many generations, the New Zealand Radiata pine tree has significantly superior characteristics to those of the Monterey Pine, and also to those of Radiata pine grown in other countries.

In New Zealand, the timber is graded into categories/grades that are applicable to specific end uses, the broad categories being **Structural, Appearance, Remanufacturing,** and **Industrial.** There are a number of separate grades within each of these categories.

Click on the links to see a detailed image of the various grades available.

[Apperance Grades](#) [Remanufacturing & Industrial Grades](#)

The timber is easy to kiln dry to less than 15% MC, machines and sands easily to a smooth finish, has excellent glueing and nail holding properties, accepts stains evenly, is resistant to splitting, accepts preservative chemicals very readily, and has an exceptionally high strength to weight ratio.

TYPICAL END USE APPLICATIONS

New Zealand Radiata pine is possibly the most versatile timber in the world. Subject to correct grade selection, appropriate preservative treatment and drying, the timber will perform extremely well in every end use application in which timber is typically used.

TECHNICAL DATA

Density	At 12% mc	460 - 560 kg/m ³
Shrinkage	Tangential	4.7%
(Green to 12% mc)	Radial	2.2%
Durability	Heartwood	**Non durable
	Sapwood	**Non durable
Stability	Green	Prone to shrinkage and distortion

At 12% mc Stable

****Preservative treated Radiata pine shows exceptional durability, with resistance to decay at least as high as that for the most durable hardwoods.**

AVAILABILITY

Most sizes and grades are readily available, with the most popular specifications nearly always in stock.