

INFORMATION SHEET

RADIATA PINE



Common names: Radiata pine and Monterey pine
Botanical name: *Pinus radiata*

APPEARANCE AND DESCRIPTION:

- The heartwood of radiata pine is an even light brown to chestnut brown in colour, the sapwood is creamy white.
- Radiata pine is a versatile and readily available timber, suitable for a wide variety of end-use applications.

PERFORMANCE CHARACTERISTICS

Durability:

Low level treatment such as boron is recommended to future-proof against insect attack in areas completely protected from moisture, such as furniture and the framing of internal walls of buildings. The timber is easily treated for all Hazard Class applications.

Mechanical properties:

Density at 12 percent moisture content	460–560 kg/m ³
Modulus of elasticity	8.23 GPa
Bending strength	85.8 MPa
Compression strength parallel to the grain	36.8 MPa
Shear strength parallel to the grain	11.6 MPa
Side hardness (refers to indentation)	3.64 kN
End hardness	4.76 kN

Machining:

Tests have confirmed that radiata pine machines well for most applications and compares favourably with a variety of other internationally traded timbers.

Gluing and coating considerations:

- Radiata pine is easily processed, dried and treated, and will take staining and coating.
- It is used in conjunction with a range of structural adhesives.

SUSTAINABILITY:

- Radiata pine is a plentiful and readily available timber species in New Zealand.
- Radiata pine is grown commercially in New Zealand as a plantation farmed species.
- The majority of New Zealand forests have Forest Stewardship Council certification. In addition, plantation forests are governed by the requirements of the Resource Management Act 1991, and 80 percent of plantation forest owners have adopted the New Zealand Forest Owners' Association Environmental Code of Practice for Plantation Forestry (2007).

Visit the vendor's database on the NZ Wood website to find supplier's of radiata pine in your area on www.nzwood.co.nz