



Red Pine

Pinus resinosa

Red Pine is a slow-growing native tree found mainly in Eastern Canada. In homogeneous stands, often in plantations, or in mixed natural stands in association with White Pine or Jack Pine, it can reach diameters up to 60 cm and heights of 25 m.

Since the wood grain is straight and readily treated with preservatives, Red Pine is an excellent species for outdoor applications. It can also be used for structural lumber because of its relatively high strength.



Red Pine *Pinus resinosa*

Colour	The heartwood's colour ranges from light brown to reddish brown, whereas the sapwood is yellowish white.
Texture	Red Pine wood is relatively light and moderately hard. The wood grain is straight and tapering is minimal. Compared with the heartwood, the sapwood is relatively wide.
Qualities and applications	The thick rings of the Red Pine's sapwood means it can be readily treated with preservatives. Red Pine can therefore be used outdoors and in contact with soil, and is suitable for poles, piling, railway ties and balconies. Red pine also has great qualities for appearance applications such as boards, panelling, log houses, exterior woodwork, wooden toys, household articles and garden tools. This tree can also be used for most construction work, but is rarely used as lumber since it is more valuable for making boards and poles. Other applications: finger-joined lumber and glulam.

	Red Pine	Spruce, Pine, Fir Group (SPF)	Eastern White Pine	Scots Pine	Southern Yellow Pine	Douglas Fir	Eastern Hemlock
	<i>Pinus resinosa</i>	<i>Picea mariana, Pinus banksiana, Abies balsamea</i>	<i>Pinus strobus</i>	<i>Pinus sylvestris</i>	<i>Pinus alustris</i>	<i>Pseudotsuga menziesii</i>	<i>Tsuga canadensis</i>
Density (kg/m ³)	401	420	368	512	657	487	429
Modulus of rupture (kiln dried) MOR (MPa)	70	78	65	84	97	87	81
Modulus of elasticity MOE (MPa)	9 450	10 500	9 380	10 100	13 500	13 500	12 300
Hardness Janka (N)	2 120	2 430	1 650	2 420	3 900	2 990	2 740
Dimensional shrinkage	7 %	11 %	8 %	7 %	12 %	12 %	11 %
Planing	★★★	★★★★	★★★	★★★	★★★	★★★	★★
Stability	★★★	★★★	★★★★	★★★	★★	★★★	★★★
Gluing	★★	★★★	★★★	★★★	★★★	★★★	★★★
Mortisaint	★★	★★★	★★	★★★	★★★	★★	★★★
Turning	★★	★★★	★★★	★★	★★★	★★★	★★
Nailability	★★★★	★★★★	★★	★★★	★★★	★★★	★★★★

Excellent: ★★★★★ Very good: ★★★★ Good: ★★★ Fair: ★

Sources

Canadian Standard Association (CSA), 086.
 Jessome, A.P., *Strength and Related Properties of Woods Grown in Canada*, Forintek Canada Corp., 1995.
 Tree Talk, *Woods of the World*, 1997.
 The Wood Explorer, 2001-2002.

Pictures

Canadian Wood Fiber Centre and Canadian Forest Service, Natural Resource Canada Label Group
 JL Ouellette Pine Center

Nominal (inches) and actual (mm) dimensions *				
	Inches (")	Lenght in feet (')	Millimetres (mm)	Lenght in metres (m)
Blocks	4 x 4" 6 x 6"	6 to 16' 8 to 16'	89 mm 140 mm	1.83 to 4.88 m 2.44 to 4.88 m
Floors (3/4" thickness; 19 mm)	4 to 12"	6 to 16'	101.6 to 304.8 mm	1.83 to 4.88 m
Poles	Diametre minimum: 7 to 9"	42 to 62'	178 to 229 mm	12.8 to 18.9 m

* Other dimensions and lengths available upon request



Quebec Wood Export Bureau

979, avenue de Bourgogne
 Bureau 540
 Québec (Québec)
 Canada G1W 2L4

☎ (418) 650-6385
 ☎ (418) 650-9011

info@quebecwoodexport.com
 www.quebecwoodexport.com



Canada Wood
 Produits de bois canadien