

Yellow Cedar

{*Chamaecyparis nootkatensis*}



Yellow Cedar is a rare species that grows along British Columbia (B.C.)'s West Coast. Its closest relatives are Japanese Hinoki and Port Orford Cedar.

This medium-sized tree can reach a height of 24 metres and a diameter of 90 centimetres when mature, and is quite unique to this corner of the world. Yellow Cedar grows singly, or in small clumps in a mixture with other conifers. This beautiful tree is tough, solid, and is considered one of the world's most durable woods.

COMMON USES

Yellow Cedar is easy to work with, making it ideal for furniture and carpentry, decorative paneling, moldings, cabinetwork, and joinery. Its fine, even texture and lack of visual grain makes it a top choice for carvings and turnings. Due to its longevity, Yellow Cedar is often used for shingles, posts, poles, marine pilings, small boat hulls, oars and paddles, water and chemical tanks, exterior doors and door jambs, window frames, and window boxes. Structural grades are commonly used for exterior applications like bridges, decking, stairs and for landscaping. It's sometimes used in specialty construction projects such as temples and shrines.

WORKING PROPERTIES

Yellow Cedar is known for its exceptional working properties, it can be easily machined and finished. The wood glues well and has moderate nail and screw holding ability. Yellow Cedar turns, planes, and shapes well, and can be sanded to a smooth finish.



PHYSICAL PROPERTIES

STIFFNESS/ MOE (MPa)	Air Dry	11000
STRENGTH/MOR (MPa)	Air Dry	79.7
DENSITY (kg/m ³)	Air Dry	431
COMPRESSION PARALLEL (MPa)	Air Dry	45.9
SHEAR (MPa)	Air Dry	9.21
SHRINKAGE (air dried - 12%)	Tangential / Radial ratio	1.6



WORKING PROPERTIES

	PROCESS	PERFORMANCE	COMMENTS
MACHINING	Planing	Excellent	Recommended planer settings: 20° hook 8, 12, 16, or 20 kmpi (knife marks per inch).
	Shaping	Good	Recommended: the use of a counter piece for end grain shaping.
	Sanding	Excellent	
FASTENING	Screwing	Average	Average screw retention: 476lb.
	Nail Retention	Good	Equivalent to Douglas-Fir.
	Gluing	Average	Bonds satisfactorily with good-quality adhesives under a moderately wide range of bonding conditions.
FINISHING	Staining	Average	Natural finish looks best.
	Painting	Average	Older wood should be wiped with paint thinner to remove surface greying.
DRYING	Ease of Drying	Good	Dries without difficulty.
DURABILITY	Natural Decay Resistance	Good	Appropriate for outdoor usage.
	Treatability	Difficult	Can be improved by incising.



For more information on the availability of Yellow Cedar, please contact info@canadianwood.com.vn +84 287 305 2468



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Data for this factsheet has been compiled by FPInnovations from internal and external scientific sources. FPInnovations is a not-for-profit technical research institute serving the Canadian forest sector.