

YELLOW CEDAR

{*Chamaecyparis nootkatensis*}

Yellow cedar grows along the coast and is common west of the Coastal Mountains of British Columbia (B.C.).

A species quite unique to this corner of the world, it grows so slowly that it requires over 200 years to reach a marketable size. It is a medium sized tree growing up to 24 metres tall and 90 cm in diameter when mature. It often grows singly or in small clumps in a mixture with other conifers. It is a rare and beautiful tree that is tough, solid and extremely durable.

COMMON USES

This wood is incredibly easy to work and therefore is prized for applications such as joinery and carpentry, decorative panelling, furniture, mouldings and cabinetwork.

Yellow cedar is one of the world's most durable woods with exceptional longevity. Its fine, even texture makes it a top choice for carvings and turnings. In india, it has proven popular for door frame manufacturing.

PHYSICAL PROPERTIES

| | | |
|------------------------------|---------------------------|-------|
| STIFFNESS / MOE (MPa) | Air Dry | 10200 |
| STRENGTH / MOR (MPa) | Air Dry | 80 |
| 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 |

Due to its durability yellow cedar is used for shingles, posts, poles, marine pilings, small boat hulls, oars and paddles, water and chemical tanks, exterior door and window boxes. Structural grades are commonly used for exterior applications such as bridges, decking stairs and for landscaping. It is sometimes used in specialty construction projects such as temples and shrines.

OF INTEREST:

- Proper name is Yellow cypress
- Closest relatives are Japanese Hinoki and Port Orford cedar
- Density across single growth rings is quite uniform making this a very good carving and woodworking species



WORKING PROPERTIES

Yellow cedar is known for its exceptional working properties and can be easily machined and finished. It turns, planes and shapes well and can be sanded

to a smooth finish. The wood glues satisfactorily, has good nail and screw holding ability, and takes a good finish.

| | 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 | Good | |
| | 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 termite and decay resistance | Good | Appropriate for outdoor usage. |



For more information on the availability of Yellow cedar, please contact:

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