



**Rosenfeld  
Kidson**

## SPECIES FACT SHEET

### Cedar, Alaskan Yellow – *Chamaecyparis nootkatensis*

**OTHER NAMES:** Nootka False Cypress, Yellow Cypress, Pacific Coast Yellow Cedar

**REGION OF ORIGIN:** Canada



#### GENERAL DESCRIPTION

Alaskan yellow cedar heartwood is a consistent pale yellow colour with a fine, even texture and is straight-grained. It is not a true cedar and is harder and more durable than most other softwoods. Yellow cedar producers carry certification under either SFI, CSA, FSC or PEFC.

#### MAIN USES

Boatbuilding, interior and exterior joinery, cladding, shingles and marine piles.

#### WORKING PROPERTIES

The wood works well with hand or machine tools. It glues, nails, screws, stains and takes paint and varnish very well and can be brought to an excellent finish.

#### MECHANICAL PROPERTIES

The wood has medium bending and crushing strengths, with low stiffness and resistance to shock loads. It has very poor steam bending classification.

#### AVAILABILITY

Specifications stocked at Rosenfeld Kidson are: Kiln-dried sawn 45mm and 50mm thicknesses in widths of 100, 125mm and 150mm & wider.

#### GRADING

Clears.

**DENSITY (kg/m<sup>3</sup>)\*:**

500

**DURABILITY:**

Durable

**STRENGTH GROUP:**

SD6

**MOR (MPa):**

Unseasoned  
44

Seasoned  
77

**MOE(GPa):**

Unseasoned  
7.9

Seasoned  
9.8

**JANKA(kN):**

2.6

**SHRINKAGE GREEN TO 12% M.C.**

Tangential  
6.0

Radial  
2.8

\*Air Dry Density (kg/m<sup>3</sup>) is average indication only and actual value may vary. Refer to timber properties tables over page for strength, shrinkage and durability classifications.

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## TIMBER PROPERTIES

### STRENGTH GROUPINGS

Minimum values for strength groups (unseasoned timber)			
(units are Mpa = 145 lb/sq.inch)			
Strength group	Modulus of rupture	Modulus of elasticity	Maximum crushing strength
S1	103	16300	52
S2	76	14200	43
S3	73	12400	36
S4	62	10700	31
S5	52	9100	26
S6	43	7900	22
S7	36	6900	18

Minimum values for strength groups (seasoned timber)			
(units are Mpa = 145 lb/sq.inch)			
Strength group	Modulus of rupture	Modulus of elasticity	Maximum crushing strength
SD1	150	21500	80
SD2	130	18500	70
SD3	110	16000	61
SD4	94	14000	54
SD5	78	12500	47
SD6	65	10500	41
SD7	55	9100	36
SD8	45	7900	30

### SHRINKAGE CLASSIFICATIONS

Description of shrinkage	Shrinkage from Green to Oven-dry (12% MC)	
	(%) before reconditioning	
	Tangential	Radial
Very Low	0 - 3.5	0 - 2
Low	3.5 - 5.0	2 - 3
Medium	5.0 - 6.5	3 - 4
High	6.5 - 8.0	4 - 5
Very High	> 8.0	> 5

### DURABILITY CLASSIFICATIONS

Grade of durability	Approximate service life (years)		
	Fully Protected	Above ground, exposed	In-ground, exposed
Very Durable	> 50	> 40	> 25
Durable	> 50	15 - 40	15 - 25
Moderately Durable	> 50	7 - 15	5 - 15
Non-Durable	> 50	0 - 7	0 - 5