



**LUMBER WORLD**

'A Destination for your Imagination'

# CEDAR

Cedar, known for its distinctive reddish to pinkish-brown heartwood, is a versatile wood with moderate lustre and a coarse texture. Rated as durable against decay, it has mixed resistance to insects. Despite its softness, it's easy to work with, emitting a strong aromatic scent.

Commonly used in construction-grade lumber for shingles, exterior siding, and boatbuilding, it comes in various grades, with higher grades being more expensive. Recognized for its commercial importance, it's sustainably managed, not listed in CITES Appendices, and considered a species of least concern by the IUCN.





## CEDAR

### SPECIFICATIONS

Common Name(s)	Western red cedar, giant arborvitae
Scientific Name	Thuja plicata
Distribution	Pacific Northwest United States/Canada
Tree Size	165-200 ft (50-60 m) tall, Trunk diameter 7-13 ft (2-4 m)
Average Dried Weight	23.0 lbs/ft <sup>3</sup> (370 kg/m <sup>3</sup> )
Specific Gravity (Basic, 12% MC)	0.31, 0.37
Janka Hardness	350 lbf (1,560 N)
Modulus of Rupture	7,500 lbf/in <sup>2</sup> (51.7 MPa)
Elastic Modulus	1,110,000 lbf/in <sup>2</sup> (7.66 GPa)
Crushing Strength	4,560 lbf/in <sup>2</sup> (31.4 MPa)
Shrinkage	Radial: 2.4%, Tangential: 5%,
Volumetric	6.8%, T/R Ratio: 2.1