

Sugi (Japanese Cedar) Beams: Specification Sheet



Scientific Name:	Cryptomeria Japonica
Distribution:	Various cultivars throughout Japan
Average Dried Weight:	368 kg/m ³
Specific Gravity (Basic, 12% MC):	0.33 – 0.36
Janka Hardness:	1,423 N
Modulus of Rupture:	36.4 MPa
Elastic Modulus:	7,646 MPa
Crushing Strength:	33.3 MPa
Shrinkage (From green MC to oven dry MC):	Radial: 2.4% Tangential: 5%

Sizes:

	Rectangle	Square
Thickness (mm)	105, 120	150
Widths (mm)	150, 180, 210, 240, 270, 300, 330, 360, 390	150
Lengths (mm)	3000, 4000, 5000, 6000	3000, 4000

Key Features:

- **Engineered to JASS (Japanese Architectural Standard Specification) standards.** Engineering data is available for all structural beams to ensure reliability and compliance with project requirements.
- **Slow Kiln-Dried for Stability:** Enhanced durability, minimized movement, and improved resistance to pests.
- **Solid Timber (Not Laminated):** Genuine, authentic cedar beams cut with precision for superior quality.

Available Options:

- **Heartwood & Sapwood Blend:** Ideal for interior spaces, providing a balance of strength and elegance.
- **Smooth Finish on All Sides:** Polished, ready-to-use surfaces for seamless application in any project.

Wood Characteristics:

- **Wood Color:** Reddish-brown heartwood and straw-colored sapwood with strong contrast between the two.
- **Grain / Texture:** Straight, contrasting grain. Medium, even texture. Moderate natural luster.
- **Rot Resistance / Durability:** Naturally resistant to rot, decay, and insects. Very durable.
- **Aroma:** Distinct, cedar-like aroma.

Notes:

- 5 and 6-meter beams are available seasonally.
- Beams can be shipped LCL (Less-than-Container Load) or FCL (Full Container Load) to most countries.

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