

# Innovation Wood Sustainability







SUGI  
Japanese cedar

Sugi is the most important tree for the Japanese. Its cultivation started more than 500 years ago, and it has the biggest cultivated area among all other species in Japan. Sugi has wide usage and can be used for from daily goods to construction materials. The texture is pleasant to the feel and suitable for bare foot walking. The fragrance is slightly sweet as if you are in the Japanese forest.



Sugi - Rough Sawn - Grade and Size

Grade	Length(mm)	Width(mm)	Thickness(mm)	Certificate & others
Japanese Clear Grade*	4000	150/180/210/240/270	30/45	KD / MC 15% JAS / PEFC / SGEC

\* Mainly knot-free, but up to 4 small knots per 2 meters smaller than 5mm in diameter are allowed.

Sugi / Cryptomeria japonica - Basic properties

Average Density Air Dry	Average Shrinkage (%)		Average Strength (MPa)			Average Young's Modulus (GPa)
	Radial Shrinkage	Tangential Shrinkage	Bending Strength	Compressive Strength	Shear Strength	
0.38	0.10	0.25	65	35	6.0	7.5

Source: 「改訂 4 版木材工業ハンドブック」 独立行政法人 森林総合研究所 監修

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Japan Brand materials