









RED GRANDIS THE GREEN ALTERNATIVE WOOD

Wood Property Testing and Species Comparison Table

Source: Oregon State University, July 2019

Price Comparison

Source:
US Wholesalers

	Species	SG ₁₂	MOR (psi)	MOE (x106 psi)	Hardness (lbs.)	Durability Class	FOB Price USA
	RED GRANDIS™ (Eucalyptus Grandis)	0.52	12,571	1.55	881	2-3 ^c	\$
	WESTERN RED CEDAR (Thuja Plicata)	0.32	7,500	1.11	350	2 ^b	\$\$\$\$\$
	BALD CYPRESS (Taxodium Sisticum)	0.46	10,600	1.44	510	3-4 ^b	\$\$\$
	AFRICAN MAHOGANY (Khaya Spp.)	0.64 ^a	10,700	1.41	830	3-4 ^b	\$\$
	SAPELE (Entandrophragma Cylindricum)	0.67 ^a	15,300	1.81	1,500	3-4 ^b	\$\$
	MAHOGANY, TRUE (Swietenia Macrophylla)	0.59 ^a	11,500	1.49	810	1-3 ^b	\$\$\$\$\$

a - Value from the **Wood Database** - <https://www.wood-database.com/>

b - Value from **Natural Durability of Wood: A Worldwide Checklist of Species**

c - Value from confidential report: Assessment of the natural durability of Eucalyptus grandis, P. Dokoupilova. October 2009. TRADA Technology Ltd.

Durability Class Ratings: 1 = very resistant; 2 = resistant; 3 = moderately resistant; 4 = slightly resistant; 5 = nonresistant.

*Specimens were tested according to ASTM D-143 **Standard Test Methods for Small Clear Specimens of Timber**.



Sustainable forests