

# Decking Species Guide

## Technical Information



**Purpleheart**



**Garapa**



**Vitex**



**Kwila**

Density - KG/M3 (dry)	865		830		705		830	
<b>Durability</b>	Class 1 (very durable) above ground*		Class 2 (durable) above ground*		Class 2 (durable) above ground*		Class 2 (durable) above ground*	
<b>Stability</b>	3% Radial, 6% Tangential		3.5% Radial, 6.5% Tangential		2% Radial, 4% Tangential		1.5% Radial, 2.5% Tangential	
<b>Standard Sizes</b>	65 x 19/21	90 x 19/21	90 x 19/21	140 x 19/21	65 x 19/21	90 x 19/21	115 x 19/21	65 x 19/21
	140 x 19/21	140 x 30	*other sizes available on request		140 x 19/21	140 x 30	*other sizes available on request	
	*other sizes available on request				*other sizes available on request		*other sizes available on request	
<b>Random Length Spread</b>	0.9 - 5.4m (average 2.4 - 2.7m)		1.8 - 5.7m (average 3.0m*)		0.9 - 3.6/4.2m (average 2.1 - 2.4m)		0.9 - 3.6/4.2m (average 2.1-2.4m) Watershed Profile	
							1.8 - 5.7m (average 3.0m*)	
<b>Sustainability/Legality</b>	Available as FSC Certified or VLO on request		Available as FSC Certified on request		Non Controversial		VLO/VLC Certified (Indonesian Stock)	
<b>Tannin Bleed</b>	Colour - Light Red Amount - Minimal		Colour - Light Brown Amount - Minimal		Colour - Yellow/Green Amount - Moderate		Colour - Red/ Brown Amount - Substantial	
<b>Pinhole</b>	Minimal but small volumes acceptable		Minimal but small volumes acceptable		Minimal but small volumes acceptable		Minimal but small volumes acceptable	
<b>Tight Bound Knots</b>	Occasional		Occasional		Occasional		Occasional	
<b>Bark Encased Knots</b>	Not allowable		Not allowable		Occasional		Not allowable	
<b>Surface Checking</b>	May occur over time with some boards exhibiting raised grain**		Minimal but may occur over time**		Will occur either when timber is new or over time. Does not generally exhibit raised grain.**		Very minimal but may occur slightly over time.**	
<b>Black Marking and Spotting</b>	Can occur as a reaction to lime and/or metal filings. Depending on severity it may be cleaned with deck cleaners.		Can occur as a reaction to metal filings, and/or site contamination. Depending on severity it may be cleaned with deck cleaners.		Can be inherent in the timber or as a reaction to site contamination. Depending on severity it may be cleaned with deck cleaners.		Can occur as a reaction to site contamination. Depending on severity it may be cleaned with deck cleaners.	
<b>Colour Consistency</b> when freshly milled	Minimal variation		Minimal variation		Variable * Grey heart streak may be present		Minimal variation	
<b>Weathered Colour</b> when exposed directly to the environment	Silver/ Grey		Silver/ Grey		Silver/ Grey		Silver/ Grey	

\* Durability classes are based on Australian Standards AS5604-2005 and all the relevant information in the standard. The heartwood of an individual piece of timber may vary from the species nominated classification.  
 \*\* Application of Wood-X Hardwood Decking Oil will assist to stabilise boards, minimise surface checking and other natural seasoning characteristics.  
 \*\*\* The time frame for decking to gradually change to its Weathered Colour (when left uncoated or coated with Wood-X Clear Base Hardwood Decking Oil) will vary, depending on the amount of direct exposure to the environment.

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