



# Hermpac



## Tonka

Dipteryx odorata / species information

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**At Hermpac, we continue to source premium timbers suitable for a diverse range of projects, applications and design trends. We are excited to include Tonka in our hardwood range and we look forward to sharing the merits of using this impressive species.**

Depending on the requirements, Tonka can be an excellent alternative to other heavy hardwoods. Also referred to as Cumaru, this timber is extremely hard-wearing and dense, making it ideal for heavy construction, marina work, civil construction and commercial boardwalks.

Native to Central South America, Hermpac source Tonka from suppliers who carry the Forest Stewardship Council (FSC) certification. Internationally recognised, the FSC label is the most rigorous environmental and social standard for responsible forest management, giving our clients a measure of assurance when choosing this timber.

When cut, the heartwood is reddish to slightly purple-brown, with lighter streaks. With exposure to light and air, this gradually turns an attractive light brown tone. Another feature of Tonka is its minimal tannin leaching, making it ideal when applied near lighter coloured surfaces such as pavers.



### Premium timbers that don't cost the earth

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## Products / Tonka

### Dipteryx odorata / species information

Tonka is ideal for a variety of applications. Despite being incredibly strong with an interlocked grain, Hermpac is achieving excellent machining results in a range of lengths and wider boards. Talk to us about a customised finish and size; there are many options to explore.

### Commercial Decking and Boardwalks

Due to its Class 1 durability and high surface hardness rating, Tonka is a go-to choice for many commercial boardwalks across New Zealand.

### Posts and Beams

Exceptionally stable, this timber is growing in popularity for boardwalks, commercial installations of beams, rafters and structural posts where appearance is equally important as strength and durability. Natural termite resistance and minimal tannin leaching are further features to consider when specifying Tonka.

### Technical Information

Hermpac Common Name	Tonka
Scientific Name	Dipteryx odorata
Common Names	Cumaru, Brazilian Teak
Regions Of Distribution	Northern South America
Heartwood Colour	Medium to dark brown, sometimes with a reddish or purplish hue
Sapwood Colour	White to cream. Clearly demarcated
Grades	Select & Better
Sizes	up to 250 x 250
Lengths	up to 5.7m longer lengths available on request
Visual Grain	Light, Indistinct
Natural Durability	Class 1*
Radial Shrinkage <small>(Green To 12% Mc)</small>	5.3%
Tangential Shrinkage <small>(Green To 12% Mc)</small>	7.7%

### Mechanical Properties

	Green	Dry (12% Mc)
Modulus of Rupture <sup>(MPa)</sup>	132	188
Janka <sup>(kN)</sup>		14.8
Max Crushing Strength <sup>(MPa)</sup>	65	93.5
Shearing Strength <sup>(MPa)</sup>		16.7
Modulus of Elasticity <sup>(GPa)</sup>		22.3
Specific Gravity <sup>(kg/m<sup>3</sup>)</sup>	780	820
Weight <sup>(kg/m<sup>3</sup>)</sup>	1280	1020

### Sample



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\* The heartwood of an individual piece of timber may vary from the species nominated classification.