



Cox Street Private Residence | Col Architecture

# PURPLEHEART

*Leguminosae, Peltogyne Excelsa & Others*

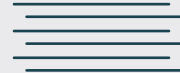


PREMIUM ARCHITECTURAL  
& BUILDING SOLUTIONS

## Durable decking timber



Unique aesthetics



Smooth texture & machines well



Class 1 durability & stable in service

Purpleheart is an extremely dense and very strong South American hardwood. It has been used in New Zealand for many years. Purpleheart is one of the most durable exterior decking species and perfect for unique architectural projects.

The heartwood sharply demarcated from off-white sapwood. Purpleheart usually has a straight grain, has a medium to fine texture, and a medium to high lustre.

### The stages of the wood colour change:

1. Light brown when freshly cut
2. Turns a deep purple upon exposure
3. With exposure to weather it fades back to brown
4. Eventually turning to a dark brown before silvering off into a beautiful silver-grey colour after months of service



## PURPLEHEART APPLICATIONS

Purpleheart is an incredible timber with a magnitude of uses as it machines well, is easy to glue, takes finishes well, comes in many sizes and has a longer life span in comparison to other hardwoods.

- **Decking** - Purpleheart is the perfect decking choice for residential, commercial and boardwalk projects. It is renowned in NZ for its qualities and has been a popular choice as a decking timber in NZ. Available in \*100×25mm & \*150×25mm
- **Posts and Beams** - Purpleheart's inherent qualities makes it a perfect choice for pergolas, gazebos, rafters, and beams. Available in sizes up to \*200×200mm
- **Commercial Projects** - Long life span and smooth fine texture that makes Purpleheart a sought after choice for commercial outdoor applications.

\*Note: Subject to availability



## TECHNICAL INFORMATION

<b>Colour and grain</b>	Light brown when freshly cut, quickly turns deep purple upon exposure. Texture is medium to fine, lustre medium to high. Grain is usually straight, but occasionally wavy or irregular.
<b>Supplier responsibility status</b>	FSC 100%
<b>Durability</b>	Class 1*
<b>Grades</b>	Clear grades

\*Durability classifications provide a useful comparative guide, however factors relating to specific installations and natural timber variation may result in heartwood pieces falling outside the species' durability classification.

Mechanical properties	Green	Dry
Modulus of Rupture (MPa)	105	147
Modulus of Elasticity (GPa)	14	17
Hardness   Janka (kN)	9.2	11
*Density (kg/m <sup>3</sup> ) *Air dry density (kg/m <sup>3</sup> ) is average indication only and actual value may vary.	-	*900-1100kg/m <sup>3</sup>

**Note:** For comparable species speak to the JSC team about alternatives.

**Disclaimer:** JSC has endeavored to ensure this information is accurate but recommends for critical applications that independent advice is obtained. These properties are a guide only, as timber is a natural product there will be variations within any species. Please speak to our professionals at JSC for information and advice as well as for any information around profiles, fixing details and supporting documentation.

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