



know & love
timber

PORTA CUMARU

Hardwood Timber Product Range

**Versatile,
attractive &
durable timber**

**Ideal for internal,
external & landscaping
applications**



Porta Cumaru is the ideal hardwood timber to meet the challenging requirements of today's design trends, Construction Code and sustainability demands.

Best of all, Porta Cumaru is backed up by a company and people that **know and love timber** and have been a trusted family run supplier of timber products for four generations.



KEY FEATURES

- Near-zero leaching making it the ideal choice when used near light coloured surfaces such as pavers or walls or around water such as pools
- Extremely durable - Class 1; 40+ years above ground and 25+ years in ground
- Exceptionally strong, structurally rated timber – F34 beams and F27 posts
- Extremely hardwearing – Janka 14.8kN
- Bushfire rated BAL19
- FSC® certified – responsibly sourced timber
- Termite resistant
- Attractive interlocked grain, mid brown with red or gold flecks
- Available in long lengths and wide boards

Porta Cumaru Product Range Overview (Refer to website or call us for custom sizes)

PRODUCT	Length (m)	Dimensions (mm)
DECKING		
Pencil round – non-reeded – select grade appearance	RL, 2.4, 3.6	90x21, 145x21, 145x32
BEAMS		
Dressed pencil round - kiln dried – F34 rated beams	2.4, 3.0, 3.6, 4.2, 4.8, 5.4	90x45, 140x45, 190x45, 240x45, 290x45
POSTS		
Square edge, unseasoned green posts – F27 rated posts	2.4, 2.7, 3.0, 3.6, 5.4	90x90, 110x110, 135x135, 185x185
BATTENS & SCREENING		
Pencil round – select grade appearance	1.8, 2.4, 3.0, 3.6	40x30, 60x30, 40x40, 60x40 (Expanding range - check website for details)
CLADDING		
Shiplap profile or made to order custom profiles – select grade appearance	(RL)	135x19
INTERNAL LINING BOARDS		
VJ Lining Boards or made to order custom profiles – select grade appearance	(RL)	89x19
HANDRAILS		
Multiple profiles – select grade appearance Round, Rectangle, Oval, Dowel*	3.0	47x35 (Round), 70x29 (Rectangle) 70x31 (Oval), 43mm diameter (Dowel*)

*Satin-finish 316 stainless steel fitting and accessories available with the Porta Handrail System when using dowel 43mm. (RL) = Random length



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Technical Information (Based on kiln dried timber)

Density kg/m ³ dry ⁽¹⁾	1085	Durability in ground ⁽²⁾	Class 1 (25yrs+)	Resistance to Split (Nailing)	Good
Hardness (Janka kN) ⁽¹⁾	14.8	Durability above ground ⁽³⁾	Class 1 (40yrs+)	Resistance to Split (Screwing)	Good
Modulus of Rupture MPa dry ⁽¹⁾	175	Susceptible to Lyctid Borer	No	Gluing	Fair
Modulus of Elasticity GPa dry ⁽¹⁾	22	Termite Resistance	Resistant	Machining	Good
Radial Shrinkage % ⁽¹⁾	5.3	BAL Rating ⁽³⁾	19	Finish	Good
Tangential Shrinkage % ⁽¹⁾	7.7	Bending	Poor	Stability	Excellent
Bleed*	Near-zero	Sanding	Good	Growing Region	South America

(1) Wood Solutions (2) Expected performance (3) Australian Forest Research Company 20161118 (May 2017) (4) AS 3959 Construction of buildings in bush fire-prone areas *Compared to other hardwoods tested Porta Cumaru demonstrated no apparent or near-zero tannin bleed. However, Porta recommends cleaning of timber prior to installation and using a suitable sealer to protect the timber and minimise any potential run-off of natural resins onto surrounding surfaces.

How to specify Porta Cumaru

Product: Timber will be Porta Cumaru (*Dipteryx odorata*). **Technical Features:** FSC® certified, near-zero tannin bleed, with a density of 1,085 Kg/m³, certified Class 1 durability to AS 5604 natural durability above ground and resistant to Australian termites, min. Janka hardness of 14.8kN, a seasoned structural rating of F34 (beams) and bearer and joist width must not be less than 45mm, MOE of 22GPa, MOR of 175MPa, or unseasoned rating of F27 (posts). Where unseasoned Porta Cumaru timber is used, appropriate construction procedures must be adopted to compensate for the shrinkage. Porta Cumaru timber supplied for structural purposes such as posts, bearers and/or joists shall comply to AS 2082 and deck boards timber shall comply with AS 2796. Porta Cumaru timber should be pre-finished in the factory and a quality coating applied on all sides. Cut edges should be end sealed.

Certification: Porta will provide a compliance guarantee with all orders indicating the Porta Cumaru timber has FSC® certification.

Installation

Porta will provide detailed instructions to install the products in accordance with the National Construction Code.

Maintenance & Care

Like all timbers, care and attention when installing Porta Cumaru will further enhance durability and ease of maintenance:

- When specifying Porta Cumaru request pre-oiling. This ensures all sides are evenly coated with a high-quality coating, reducing time and cost on site. Porta recommends clear oil Cutek CD50®, Feast Watson branded oils or equivalent.
- Coat all end-grains and any on-site protrusions with an appropriate impermeable end grain sealer. Porta recommends Teknos Teknoseal 4000. This minimises end cracking by sealing the end grain from moisture and ensuring the long-term beauty of Porta Cumaru. For more details see the Porta Installation Guide.
- A maintenance schedule is necessary to ensure the timber retains its beautiful appearance. Unprotected timber will discolour when exposed to UV radiation. To retain the timber's natural colour regularly apply pigmented coatings to protect the timber from UV and moisture as per manufacturers' recommendations. Call Porta for more information on coating recommendations.
- Should a silver-grey look be desired, regularly apply a clear unpigmented coating to protect the timber from moisture as per the manufacturers' recommendation. Call Porta for more information on coating recommendations.

Availability

Porta Cumaru is currently available in a wide range of popular sizes as well as custom profiles.

Please call us to discuss your requirements or order a sample, ph: 1300 650 787 or email us at sales@porta.com.au

Certification

Porta Cumaru is FSC® certified as being responsibly harvested and processed and is accredited by a third-party organisation. This assures that the use of Porta Cumaru protects the forests' biodiversity and ecological processes and ensures the local indigenous populations are actively involved in the management of the forest. Buying FSC® certified timber helps support responsible forest management, which reduces the potential for deforestation and illegal logging.



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