



Cumaru Timber Range by Porta

FEB 2017

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Cumaru – Beautiful & Versatile

- Cumaru is a highly dense, extremely hardwearing timber & durable timber.
- Cumaru (*Dipteryx odorata*) is also called Brazilian Teak or Tonka.
- Mid brown colour with attractive interlocking grain with red or gold flecks.
- Extremely stiff, strong and hard.
- Ideal for a variety of internal and external applications in the structural, decorative and civil construction
- Seamless look between inside and outside for uses across: pergolas, decking, flooring, cladding, beams, landscaping, boardwalks & marina applications.

One timber for all applications

■ Extremely durable

Eliminates need for concrete cradles, faster installation, can be used for high wear commercial applications such as board walks, bollards, landscaping, marinas, public works



■ Strength Grade F34 (KD)

Extremely strong – enables longer spans, reduces posts, saves money on site labour, smaller beams can be used – saves space

■ Negligible leaching[^]

Eliminates the problems of staining reducing ongoing maintenance on pavers/walls and in pools

[^] Compared to other hardwoods tested Cumaru demonstrated no apparent or negligible tannin bleed. However Porta recommends cleaning of timber prior to installation and a suitable sealer to protect the timber and minimise any potential run off of natural resins onto surrounding surfaces.

Attractive & Versatile



■ Highly versatile timber

Can be used internally & externally – flooring, stairs, decking, cladding, joinery, posts – consistent timber finish throughout the building

■ Unique grain & colouring

Differentiated properties from standard Merbau

Attractive interlocking grain, brown with red or gold flecks



Cumaru Bleed Trial

Porta are conducting a bleed trial to show how Cumaru compares to a range of popular timbers. Trial commenced 4 Nov 2016.

Trial includes 50ml water on each board for 3hrs on 4 Nov, Porta Fairfield. Additional rain was result of Melbourne weather, which included rain over 2 days prior to 14 Nov.

Results to date:

- MERBAU: Excessive staining
- SPOTTED GUM: some evidence staining
- CUMARU: No apparent or negligible staining

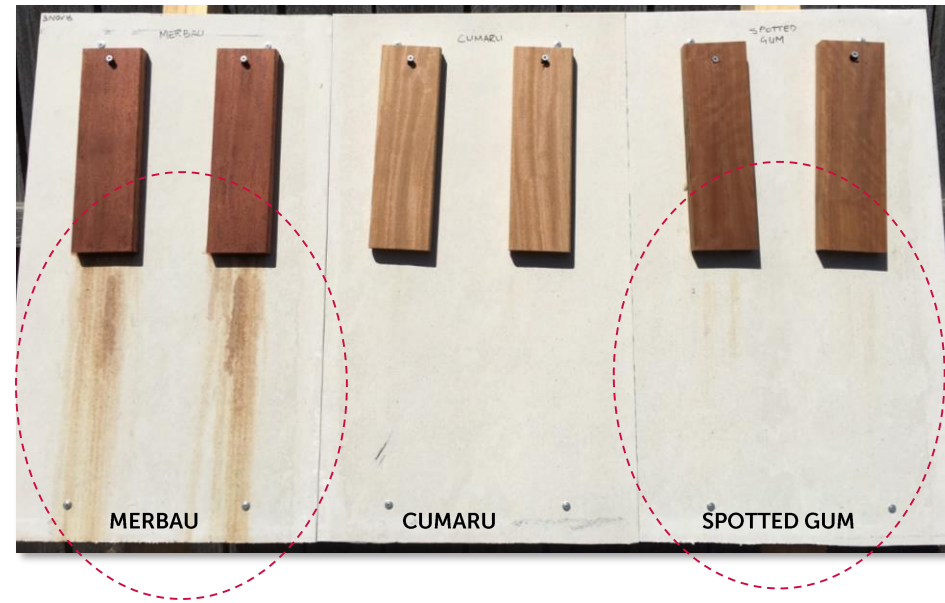


Cumaru Bleed Trial - results as of 14 Nov

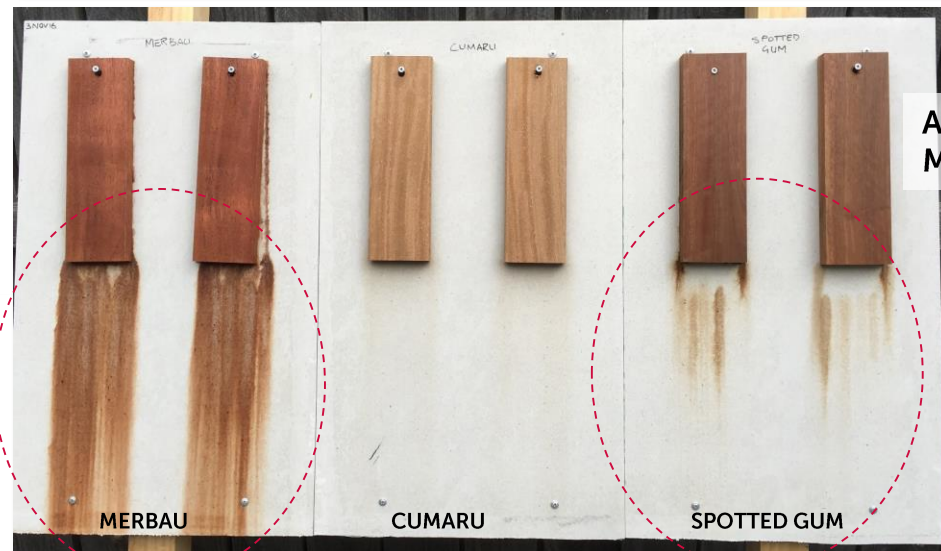
As at: 4 Nov – trial commenced



As at: 8 Nov



As at: 14 Nov – following rain that fell over 2 days in Melbourne, Fairfield



RESULTS TO DATE:

- MERBAU: Excessive staining
- SPOTTEN GUM: some evidence staining
- CUMARU: No apparent or negligible staining

Porta Offer

- **Available in decking, posts & beams**

Have a consistent theme and look throughout the project – landscaping through to the living room

- **Custom moulded profiles and products**

Leverage Porta's 65+ years of timber expertise and experience in timber manufacturing

- **Long lengths in wide profiles – up to 5.4 lin m**

Combined with its high strength, long lengths enable wide clear spans for construction jobs reducing post requirements.

Longer lengths available on request

- **Available in pieces, job lots of packs**



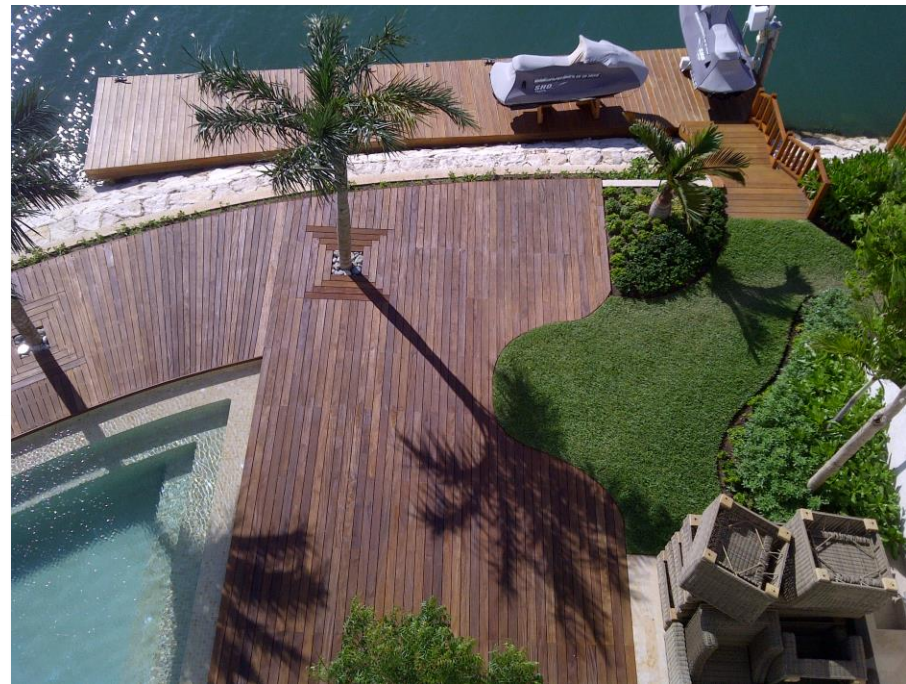
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Applications | Decking



Applications | Decking



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Applications | Outdoor / Cladding



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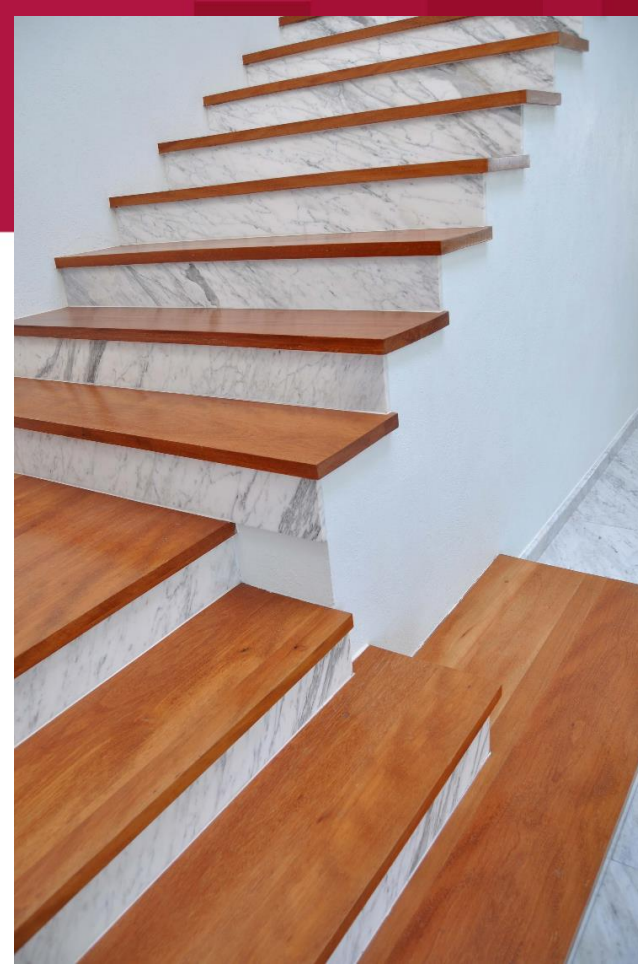
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Applications | Beams & Posts



Applications | Staircases



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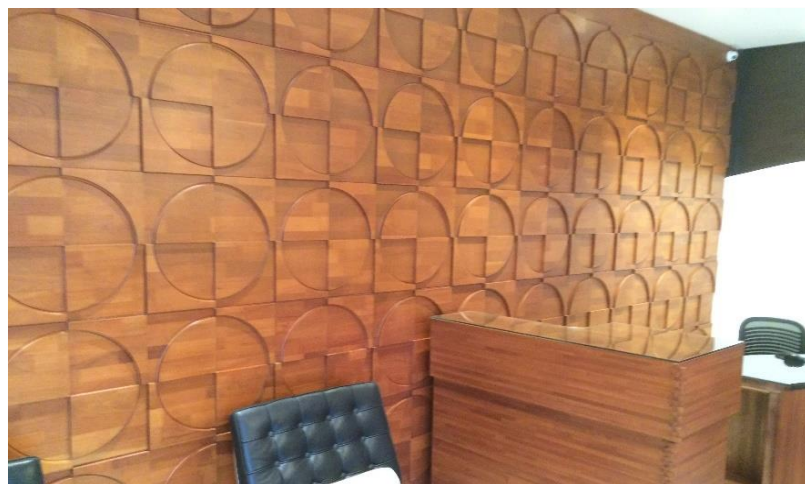
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Applications |

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Applications | Flooring



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Technical Specification

Density kg/m ³ dry ⁽¹⁾	1,085	Durability in ground ⁽¹⁾	Excellent	Resistance to Split (Nailing)	Good
Specific Gravity ⁽¹⁾	1.0	Durability above ground ⁽¹⁾	Excellent	Resistance to Split (Screwing)	Good
Hardness (Janka kN) ⁽¹⁾	14.8	Susceptible to Lyctid Borer	No	Gluing	Fair
Modulus of Rupture Mpa dry ⁽¹⁾	175	Termite Resistance ⁽³⁾	Durable	Machining	Good
Modulus of Elasticity GPa dry ⁽¹⁾	22	BAL Rating ⁽²⁾	12.5 & 19	Finish	Good
Radial Shrinkage % ⁽¹⁾	5.3	Bending	Poor	Stability	Excellent
Tangential Shrinkage % ⁽¹⁾	7.7	Sanding & Planning	Good	Growing Region	Sth America

(1) The Wood Database (2) AS 3959 Construction of buildings in bushfire-prone areas (3) EN 335 Class D – Durable (AS 3660 tba)



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Certification

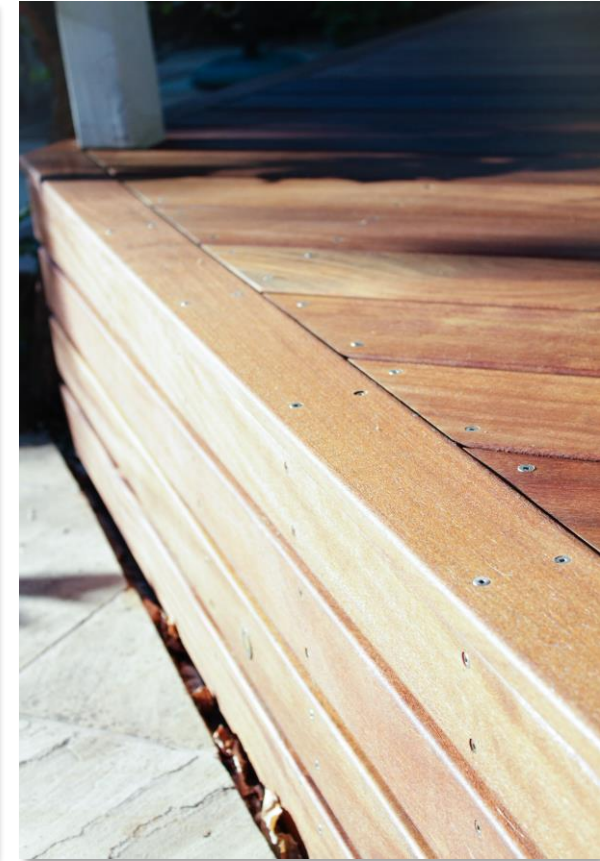
Porta is committed to the use of timbers from environmentally responsible resources, so you can rest assured.

Porta holds Chain of Custody certification with internationally recognised organisations that promote responsible stewardship of the world's forests ensuring our certified product range is traceable to certified sources.



Recent Deck Installation

In partnership with Bowens Timber & Hardware, Porta and Project Logic (Damien Collins - rojectlogic.com.au) installed Cumaru timber decking in Richmond, VIC. Damien an Bowens timber expert Frank Distefano can be contacted for an independent review of the timber.



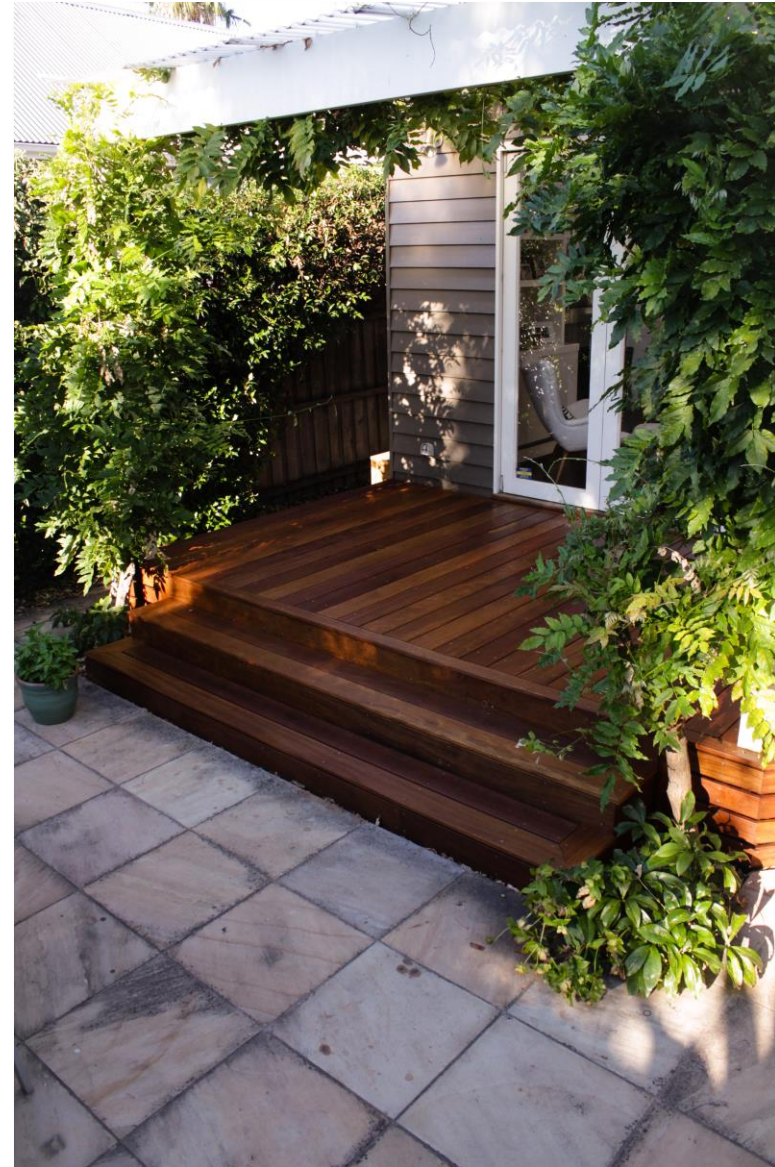
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Recent Deck Installation



Recent Deck Installation



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Contacts & More Info

Lyle Maybury

National Sales Manager

M: 0413 707 425

E: lylemaybury@porta.com.au

Michelle Kelly

Marketing & Sales Director

M: 0413 707 415

E: michellykelly@porta.com.au

Colin McKenzie

Product Manager

M: 0407 336 391

E: colinmckenzie@porta.com.au

Claire Pizzey

Brand & Communications Manager

M: 0427 771 072

E: clairepizzey@porta.com.au

Please refer to our website for more information to access:

- [Flyer](#)
- [Specification Sheet](#)
- [More info](#)





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