

Common name: Brazillian pecan
Botanical name: *Guajuvira*

WHY USE GUAJUVIRA?

Brazillian pecan (Guajuvira) is imported direct from Argentina to supply New Zealand with a fresh look timber. The Guajuvira tree is a symbol of steadiness and firmness and is the national emblem of Argentina. The density of Guajuvira is only beaten by a few other woods internationally. While other hard timbers are very difficult to process into a workable product, Guajuvira, requires little more than your standard pine, and delivers a far more aesthetically pleasing and a much more structurally solid result. Guajuvira does not require toxic treatments that NZ timbers do at the H1-H5 levels, as it is naturally resistant to rot, decay and borer. Used for flooring, decking, structural & exposed beams, stairs & bannisters, window & door frames, cabinetry & furniture, fencing and landscaping.

APPEARANCE AND DESCRIPTION:

Unlike traditional Cedars and NZ Pine, Brazillian pecan darkens with sun exposure, with the rich dark red and black/brown colour depth and complexity only increasing with time, and contrasting with the pale colours in the tim.

PERFORMANCE CHARACTERISTICS

Durability:

Guajuvira is very durable and is also resistant to insect attacks. Guajuvira also has excellent weathering characteristics.

Mechanical properties:

Density at 12% moisture content	790 kg/m ³
Modulus of elasticity	173.0 MPa
Shear strength parallel to grain	2598 MPa
Compression strength parallel to grain	83.3 MPa
Side Hardness	54,123,844,648 MPa
Tangential shrinkage – green to 12% MC	6.5 %
Radial Shrinkage – green to 12% MC	4.3 %

Machining:

Guajuvira can be difficult to work on account of its density and irregular grain. It has high cutting resistance, dries slowly and has a tendency to crack, check and warp while drying. Guajuvira finishes well and is able to take in a high natural polish without any finishing agents.

Gluing and coating considerations:

No special considerations.

INFORMATION SHEET – **GUAJUVIRA** (CONTD)

SUSTAINABILITY:

- Guajuvira is not listed in the CITES Appendices and the International Union for Conservation of Nature reports that the Guajuvira tree is a species of least concern, so sustainability is assured.