BTO WOOD FINISHING

BTO SOLID WOOD

Brazilian Hardwood Collection

Cumaru · Teak · Tauari

Solid Brazilian hardwood slat wall panels and ceilings

version 11/2026



ABOUT BTO

Natural wood, industrial expertise and excellence in every detail.

BTO does not resell lumber. Founded in Brazil in 1980, we select at the source, kiln dry, machine on German equipment, sand and finish in our own factory in central Brazil. Each species has its own character; every one goes through the same rigorous process.

1980	14	5 years
founded in Brazil in	countries with BTO	warranty

TRADITION SINCE 1980 · SELECTED BRAZILIAN HARDWOOD · INDUSTRIAL TECHNOLOGY · PRECISION MANUFACTURING · PREMIUM QUALITY · RESPONSIBLE SOURCING

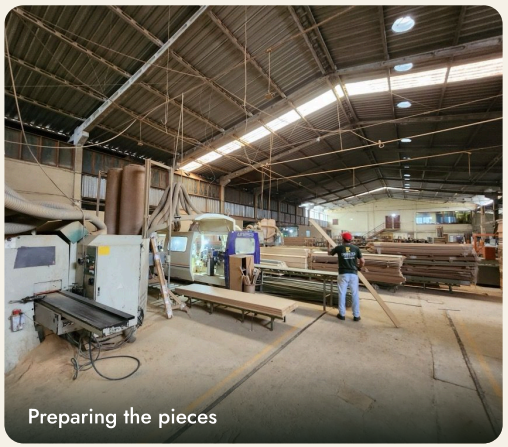

The factory from above


Production hall



German Weinig moulder


Automated sanding and varnishing line


Preparing the pieces


Precision cutting

THE COLLECTION

Three woods, one factory



Cumaru

Dipteryx odorata

Strength, presence and the character of Brazilian hardwood.

Interior, covered outdoor and facade



Teak

Tectona grandis

Natural elegance, stability and weather resistance.

Interior, covered outdoor and facade



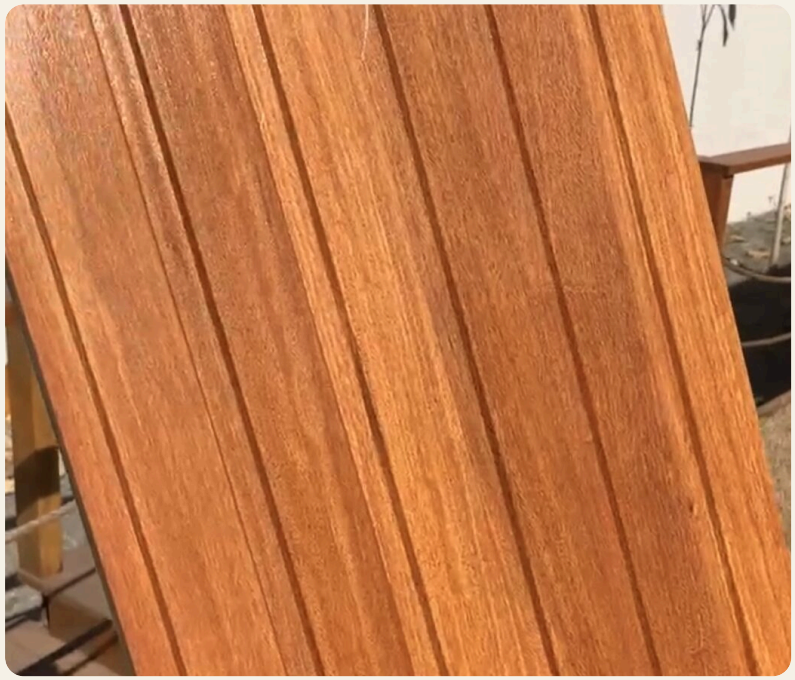
Tauari

Couratari spp.

Natural look, visual lightness and a refined finish.

Interior and covered outdoor





CUMARU SOLID WOOD SLAT WALL PANELS AND CEILINGS

Cumaru

Dipteryx odorata (Aubl.) Willd. · Fabaceae

Strength, presence and the character of Brazilian hardwood.

Heartwood from yellowish brown to reddish brown, sometimes with darker streaks. Irregular to interlocked grain, medium texture, natural luster. With light exposure, the tone deepens and becomes more even.

Reference values for the species

Density at 15% moisture, about 68 lb/ft³	**1,090 kg/m³**
Janka hardness green wood, about 2,200 lbf; dried to 12%, 13,100 to 15,700 N, about 2,950 to 3,530 lbf (LPF)	**9,787 N**
Bending strength modulus of rupture at 15%, about 25,900 psi	**178.3 MPa**
Radial and tangential shrinkage volumetric 13.6%	**5.3% and 8.2%**
Natural durability heartwood resistant to decay fungi and termites	**High**

Source: IPT, Cumaru data sheet and LPF, Brazilian Forest Service. Reference value for the species.

Where to use

- ✓ Interior
- ✓ Covered outdoor area
- ✓ Facade and exposed area

Highlights

- Built for heavy use
- Made to last outdoors
- Demands a careful process

Minimum order: 100 m² of the same wood





TEAK SOLID WOOD SLAT WALL PANELS AND CEILINGS

Teak

Tectona grandis L.f. · Lamiaceae

Natural elegance, stability and weather resistance.

Heartwood from golden to golden brown, with striking grain and a slightly oily touch from the wood's own natural oils. Left unfinished in the sun, it weathers to a silver gray over time; with varnish and maintenance, it keeps its golden tone.

Reference values for the species

Density at 15% moisture, about 41 lb/ft³	**660 kg/m³**
Janka hardness parallel, green wood, about 1,260 lbf	**5,600 N**
Bending strength modulus of rupture at 15%, about 13,300 psi	**92 MPa**
Radial and tangential shrinkage volumetric 6.7%	**2.1% and 4.6%**
Natural durability resistant to fungi, insects and weathering	**High**

Source: IPT, Teak data sheet, wood of unspecified origin. Reference value for the species.

Where to use

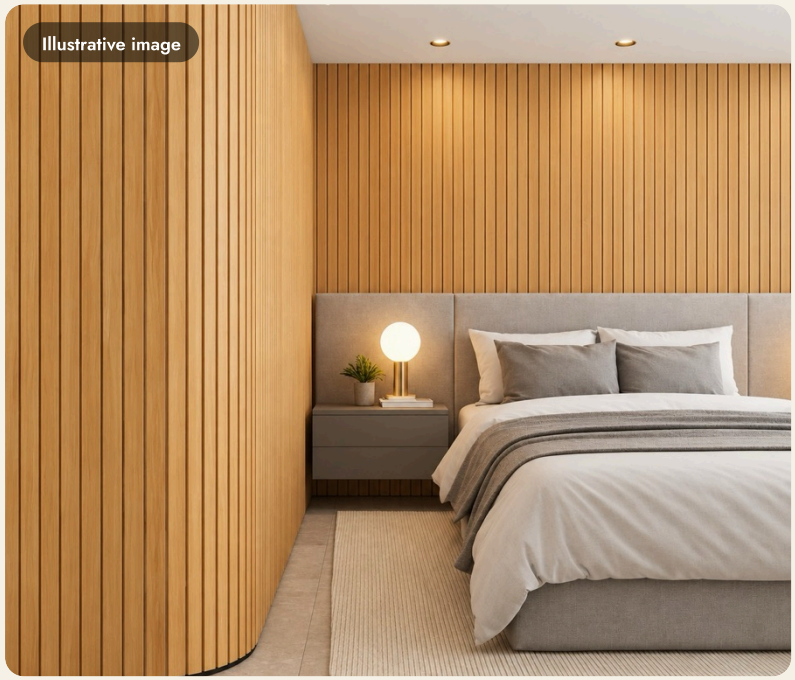
- ✓ Interior
- ✓ Covered outdoor area
- ✓ Facade and exposed area

Highlights

- Highly stable
- Recognized worldwide
- No minimum order

No minimum order





TAUARI SOLID WOOD SLAT WALL PANELS AND CEILINGS

Tauari

Couratari spp. · Lecythidaceae

Natural look, visual lightness and a refined finish.

Heartwood from yellowish white to light beige, with little difference from the sapwood. Straight grain, medium texture and a uniform look, without strong contrasts.

Reference values for the species

Density at 12% moisture, about 38 lb/ft³	**610 kg/m³**
Janka hardness parallel, at 12%, about 1,195 lbf	**5,315 N**
Bending strength modulus of rupture at 12%, about 12,900 psi	**88.8 MPa**
Radial and tangential shrinkage COPANT standard, volumetric 10.9%	**4.2% and 6.6%**
Natural durability for this reason, interior and covered outdoor areas only	**Low**

Source: IPT, Tauari data sheet, Couratari oblongifolia. Reference value for the species.

Where to use

- ✓ Interior
- ✓ Covered outdoor area
- – Facade and exposed area: not recommended

Highlights

- Visual lightness
- Refined finish
- Interior and covered outdoor areas

Minimum order: 100 m² of the same wood

COMPARISON

Cumaru, Teak and Tauari side by side

	 Cumaru	 Teak	 Tauari
Color	Brown	Golden	Light
Density	Very high	Medium	Medium
Hardness	Very high	Good	Good
Dimensional stability	Good	Very good	Good, with proper drying
Natural durability	Very high	High	More limited
Reference density	1,090 kg/m³	660 kg/m³	610 kg/m³
Interior	Yes	Yes	Yes
Covered outdoor area	Yes	Yes	Yes
Facade and exposed area	Yes, per project design	Yes, per project design	Not recommended

Cumaru and Teak density at 15% moisture; Tauari at 12%. Results vary with botanical species, origin, moisture, grading, lot, drying and installation. On facades, the recommendation depends on the project: sun orientation, roof overhang, rain and the varnish maintenance plan.

INDUSTRIAL PROCESS

From selection at the source to the final finish



1

Selection and grading at the source

Boards are selected and graded in northern Brazil, before shipping.

A more uniform lot in color, grain and quality.



2

Receiving and inspection

Each load arrives at the factory with its origin documents and is inspected.

Traceability based on the documents for each lot.



3

Industrial kiln drying

Controlled drying removes excess moisture from the wood.

Helps minimize movement, warping and cracking.



4

Weinig precision machining

A German Weinig moulder sets the size, profile and reveal of every slat.

A tight fit and an even reveal across the whole wall.



5

Automated sanding and varnishing line

The same automated line sands the visible face and applies the varnish; slats can also leave unvarnished, for finishing on site.

Smooth surface and an even coat, with no brush marks.



6

Quality control

Dimensions, profile and finish are checked throughout the process.

Off-spec pieces never make it into the box.

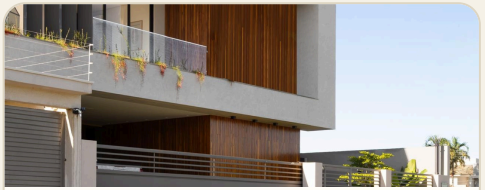


7

Packing and shipping

Pieces sorted by size, in boxes with a defined coverage.

Simple material takeoffs and protected transport.



8

Installation support

BTO ships with installation manuals and gives direct technical support from the factory, online, so the installation is done right.

A finished project, just as it was designed.

ORIGIN AND RESPONSIBILITY

Natural wood, responsibly sourced from the start

968,000 m²
of our own reforestation (239 acres)

20,000
trees, approximately

+135
official soccer fields

Documented legal origin

Our solid wood is purchased with Brazil's Forest Origin Document (DOF), which accompanies every load from its origin. Traceability follows this documentation.

Our own reforestation

About 968,000 m² (239 acres) planted by BTO, with about 20,000 trees. It is an institutional initiative of the company and is not the source of all Cumaru, Teak and Tauari pieces.

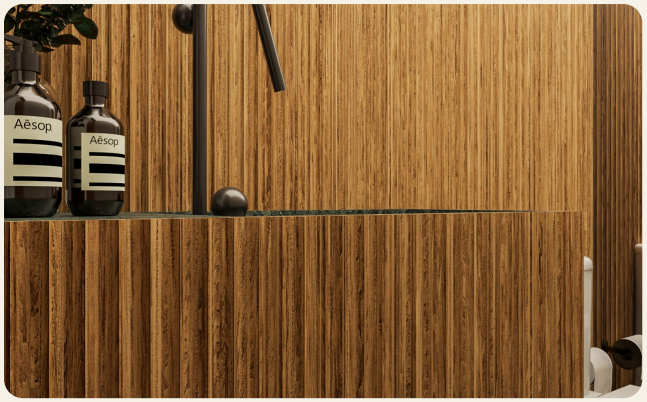
FSC certified MDF

In BTO MDF lines, the panels come from FSC certified suppliers. The FSC certification applies to the MDF, not to the solid wood.

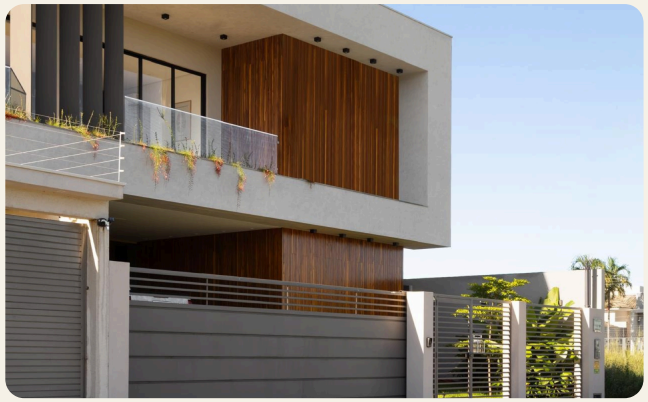
Institutional information from BTO.

APPLICATIONS

Where BTO solid wood goes



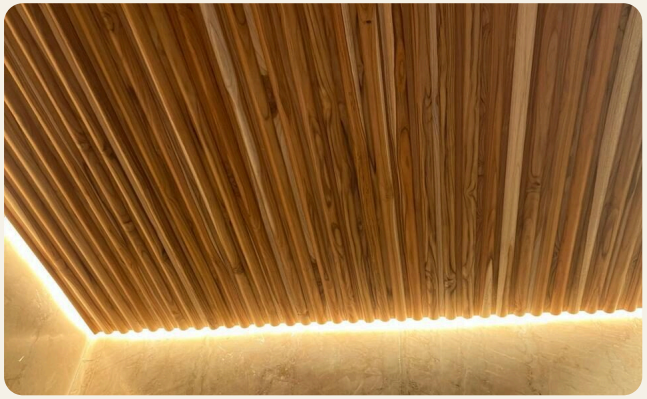
Powder room vanity in Teak, Eros model



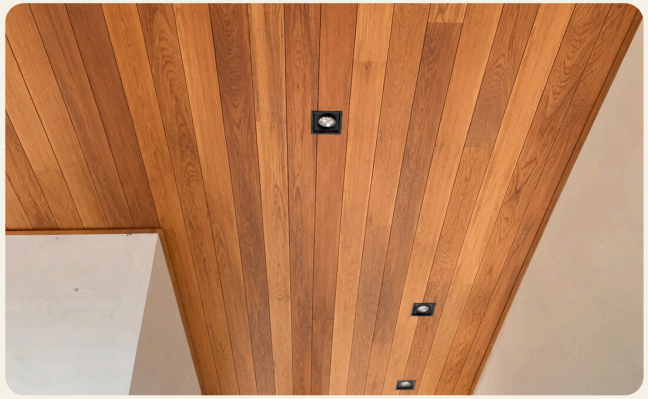
Teak facade



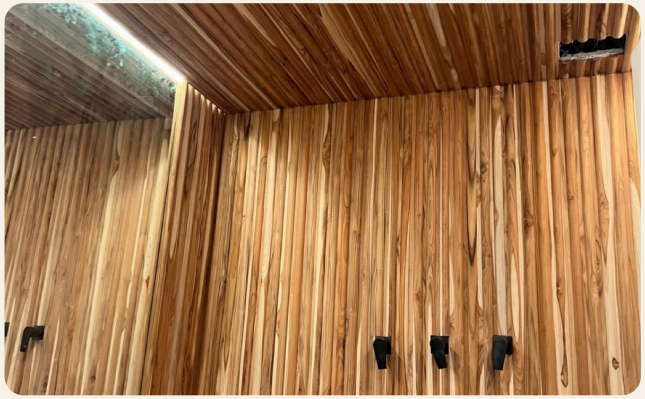
Teak ceiling, porch



Teak ceiling with LED lighting



Cumaru ceiling, covered outdoor area



Teak wall and ceiling

SPECIFICATION

Models, installation guidelines and warranty

Models and dimensions

Models	**2x1, 4x1, 8x1**
Visible face	**2, 4 or 8 cm**
Reveal (groove)	**1 cm**
Thickness	**10 or 15 mm**
Piece length	**2.00 m**
Per box	**0.6 / 0.8 / 0.9 m²**
Finish	**varnished or unfinished**
Lead time	**40 to 70 days** of production

Installation guidelines

- At least 72 hours of acclimation on site.
- Treated wood battens every 30 to 45 cm (12 to 18 in).
- PU adhesive and one pin per batten.
- 1 cm (3/8 in) gap at the sides for expansion.
- Facades and exposed areas: Cumaru or Teak only, with exterior-grade varnish on all faces.
- Stainless steel or galvanized pins and screws.
- Technical support from the factory and installation manuals.

5-year warranty

From the BTO invoice date, against manufacturing defects: warping beyond tolerance, dimensions smaller than invoiced, machining defects and defects in the factory varnish. Installation and maintenance per the Solid Wood Slat Panel manual.

Wood is a natural material: color, grain and knots vary between pieces, and light changes the tone over time.

BTO | WOOD FINISHING

Bring BTO solid wood to your project

Quotes with shipping and lead time, samples and technical support for specification.

www.btowood.com

WhatsApp +55 62 99284-9093

Founded in Brazil in 1980, factory in central Brazil

Technical support from the factory and installation manuals

40 to 70 days of production

Technical data: reference values for the species (IPT, LPF/Brazilian Forest Service, Cirad/ITTO Tropix), not tests of the BTO product. Reforestation: institutional information. version 11/2026.

