



PRODUCT *PORTFOLIO*

OUR COMPANY

Lano da Amazônia is a company with **over 28 years of tradition** in the timber industry. Our practices are rooted in **preserving the Amazon's natural resources** while delivering high-quality wood products that meet international standards.

**Sustainability, innovation, and quality – shaping the future
of wood products**

Our Mission:

To produce high-quality plywood with a focus on **technological innovation and environmental responsibility**.



Our *Values:*



Sustainability:

Commitment to preserving natural resources through responsible forestry and reforestation practices.



Quality: Delivering reliable, top-standard products that meet global expectations.



Integrity: Operating with transparency and respect for the environment and communities.



Innovation: Continuously improving processes and products to enhance efficiency and sustainability.

OUR PRODUCTS

FLEXIBLE *plywood*

Panels of short and long grain flexible plywood. Designed for projects requiring curves and unique shapes, flexible plywood adapts easily to bending without cracking or breaking.



It maintains durability while offering versatility, making it ideal for custom furniture, decorative elements, and innovative architectural designs.

	PLIES THICKNESS (mm)		
PRODUCT	FACE	BACK	CORE
5,2 milimeters	2,7	2,7	0,8
6 milimeters	3,2	3,2	0,8
8 milimeters	4,2	4,2	0,8

	QUANTITY OF PLIES		
PRODUCT	FACE	BACK	CORE
5,2 milimeters	1	1	1
6 milimeters	1	1	1
8 milimeters	1	1	1

OUR PRODUCTS



Decorative Plywood

Wood: Sumaúma / Pinho Cuiabano (*Paricá*)

Width: 1600 mm

Length: 2200 mm to 2750 mm

Thickness: 4 mm to 30 mm

Marine Plywood

Wood: Sumaúma / Pinho Cuiabano (*Paricá*)

Width: 1600 mm

Length: 2200 mm to 2750 mm

Thickness: 4 mm to 30 mm



OUR PRODUCTS



Laminated Plywood - Blockboard - Multi-Blockboard

Wood: Sumaúma / Pinho Cuiabano (*Paricá*) / Caucho

Width: 1600 mm

Length: 2200 mm to 2750 mm

Thickness: 4 mm to 35 mm

Lanoplac

Wood: Pinho Cuiabano (*Paricá*)

Width: 1200 mm

Length: 2500 mm

Thickness: 6 mm to 25 mm



PRODUCTION LINE



Step 1 - Yard

Logs are carefully stored and prepared for processing.



Step 2 - Lathe

Logs are rotated and peeled to create thin wood veneers.



Step 3 - Veneer Clipper

Veneers are cut into specific sizes for optimal usage.

PRODUCTION LINE



Step 4 - Dryer

Veneers are dried to achieve the desired moisture level.



Step 5 - Veneers

Prepared veneers are organized for assembly.



Step 6 - Press One - (Red Glue)

The first pressing stage uses red glue to bind the veneer layers, initiating the bonding process.

PRODUCTION

LINE



Step 6 - Press Two (White Glue)

A second press with white glue reinforces the bond, ensuring strength and durability in the plywood.



Step 7 - Sander and Squaring Machine

Panels are sanded and squared for smoothness and uniformity.



Step 8 -Grading

Panels are inspected and graded by quality.

PRODUCTION

LINE



Step 9 - Inventory

Finished products are stored, ready for shipment.



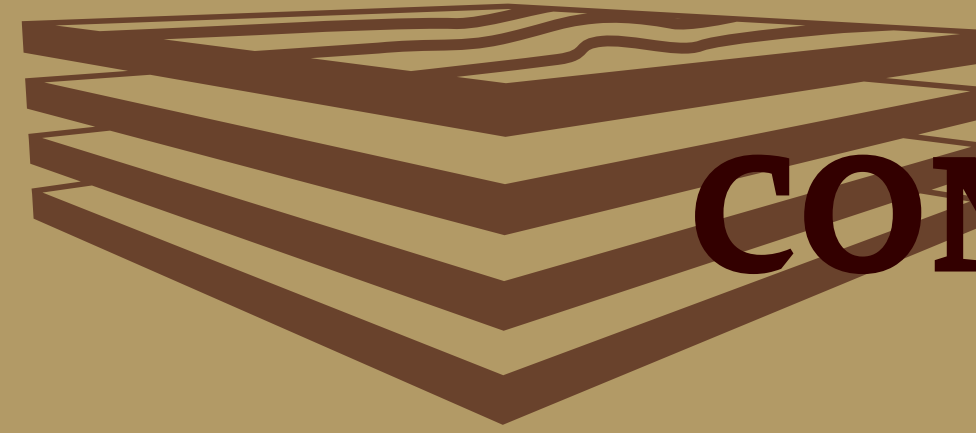
Step 10 - Loading

Finished products are carefully loaded onto pallets and prepared for transport.



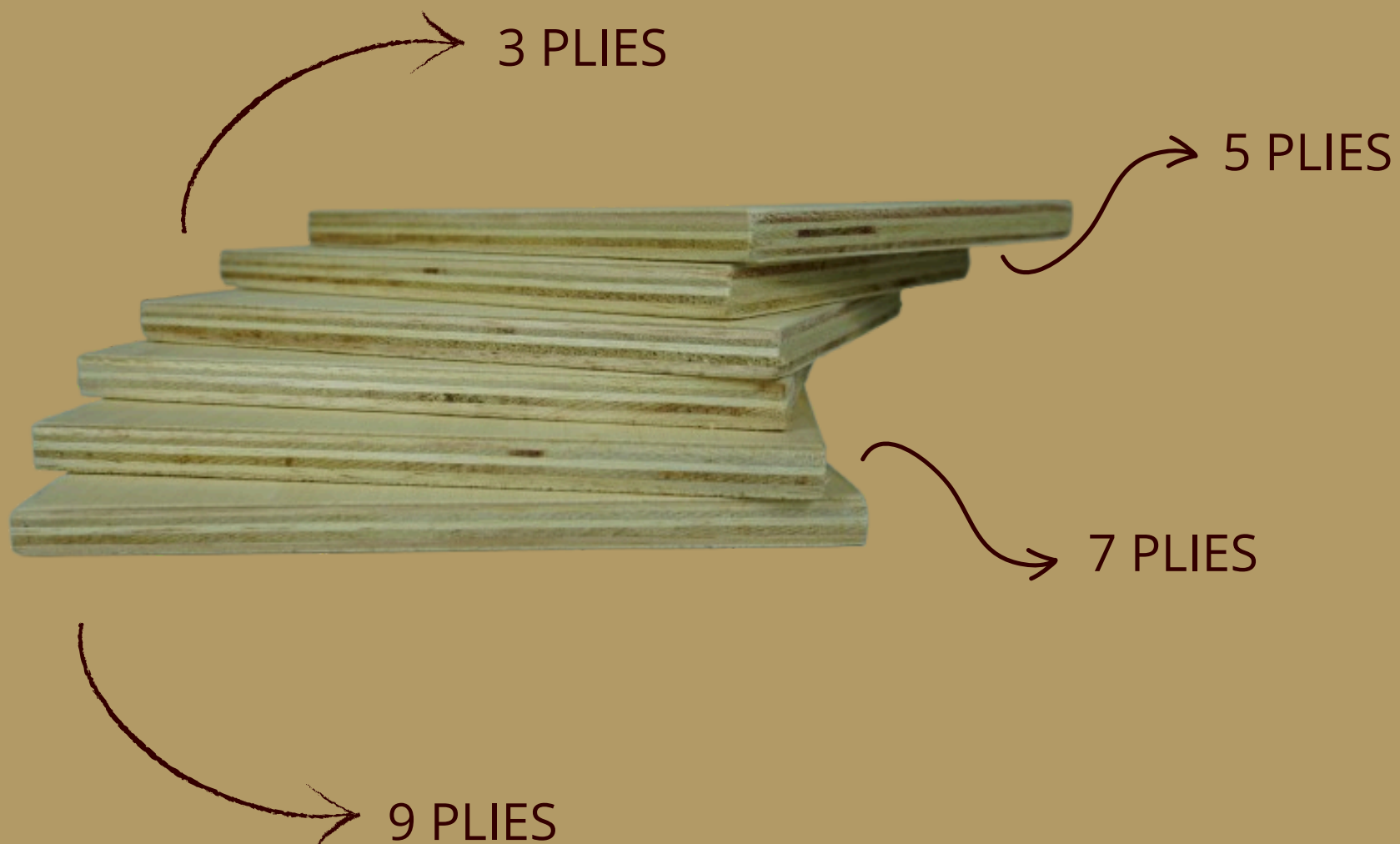
Step 11 - Trailer

Pallets are organized and secured in trailers, ensuring safe delivery to clients.



COMPOSITION

See below for standard plywood patterns designed for strength and versatility:



Consistent Quality Standards: Each plywood panel is crafted following strict patterns for the number and thickness of veneers, ensuring consistent strength and durability in every product.

Customizable Structure: To meet specific client needs, veneer patterns and thicknesses can be adjusted, allowing tailored solutions for different applications.

Carefully Selected Veneers: High-quality veneers are chosen to create robust layers, resulting in a plywood structure that maintains performance while meeting rigorous quality standards.

THICKNESS *and* DIMENSIONS

Offers **flexibility in size and thickness** to meet a wide range of project specifications.

Each product group has a tolerable thickness variation.

PRODUCT CLASS	THICKNESS TOLERANCE
	< >
BB/CC calibrated	+/- 0.2 millimeters +/- 0.3
BB/CC semi calibrated	+/- 0.5 millimeters +/- 0.5
Plataform	+/- 0.2 millimeters +/- 0.3
Flexible	+/- 0.2 millimeters +/- 0.3



PLYWOOD

PRODUCT	QUANTITY OF PLIES			
	FACE	BACK	CORE	INTERMEDIATE
5,2 milimeters	1	1	1	0
9 milimeters	1	1	2	1
12 milimeters	1	1	3	2
15 milimeters	1	1	3	2
18 milimeters	1	1	4	3
20 milimeters	1	1	4	3

PRODUCT	PLIES THICKNESS (mm)			
	FACE	BACK	CORE	INTERMEDIATE
5,2 milimeters	1,5	1,5	2,7	
9 milimeters	1,5	1,5	2,5	1,5
12 milimeters	1,5	1,5	2,5	1,5
15 milimeters	1,5	1,5	2,5	3,0
18 milimeters	1,5	1,5	2,5	1,5 / 3
20 milimeters	1,5	1,5	2,5	3





GLUE RESIN

Resin weight and press time agree with **certified standards**.
Press Temperature: > 100 °c

FLEXIBLE THICKNESS (mm)	GRAMMAGE (g/cm2)	PRESS TIME (minute)
5,2	0196	9:00
6	0196	10:00
8	0196	12:00

PANEL THICKNESS (mm)	GRAMMAGE (g/cm2)	PRESS TIME (minute)
5,2	290	8:00
9	310	12:00
12	310	15:00
15	330	18:00
18	330	21:00
20	340	23:00

Lano da Amazônia uses only plywood certified by the **CARB/ATCM** standard, phenolic glue agrees with **NBR 14.725-4** standards.

PANEL

DETERMINATION OF BENDING RESISTANCE
(MEAN VALUE) NBR - 9533:2012

THICKNESS (mm)	SPECIFIC APPARENT MASS g/cm ³ NBR - 9485:2011 (MEAN VALUE)	MODULUS OF ELASTICITY MPa	BENDING STRENGHT MPa
5,2	0,41	6574	52
9	0,52	5970	48
12	0,45	5082	37
15	0,49	5348	42
18	0,48	4489	34
20	0,41	3527	26

DETERMINATION OF BENDING
RESISTANCE
(MEAN VALUE) NBR - 9533:2012

DETERMINATION OF BENDING
RESISTANCE
(MEAN VALUE) LONG GRAIN EN 310 -2
:1993

FLEXIBLE

THICKNESS (mm)	SPECIFIC APPARENT MASS g/cm ³ EN- 323:1993 (MEAN VALUE)	MODULUS OF ELASTICITY MPa	BENDING STRENGHT MPa	MODULUS OF ELASTICITY MPa	BENDING STRENGHT MPa
5	0,43	176	5,71	120	4,50
5,2	0,45	156	5,55	96	3,66
8	0,39	82	3,5	70	3,66

RAW material

The **Pinho Cuiabano wood (Schizolobium Amazonicum or *Paricá*)** is from light to moderately dense.

Its density ranges 0,30 g/cm³ to 0,62 g/cm³. (Source: Paula, 1980; Rodriguez Rojas & Sibile Martina, 1996)

The reference material is water, which density is 0,997 g/cm³. Therefore, the plywood produced from Pinho Cuiabano (*paricá*) will float on water, according to its composition



APPLICATION

Suitable for multiple uses, including **construction, furniture, and decorative projects**, meeting diverse industry requirements.

QUALITY

Committed to top-quality standards, with rigorous testing for durability, strength, and environmental compliance.





Registration in the Brazilian Institute of Environment and Renewable Natural Resources (IBAMA) - Ministry of Environment - **Number: 8549120**

LEGALIZATION

Registration in the legal entities records in Brazil: **53.205.478/0001-14**



License of Operation - Environmental Development State's Office - Government of Rondônia State - **Number: 158148**

CERTIFICATION

The company is certified with **FORESTWOOD INDUSTRIES, INC.**, according to **CARB/EPA (California Air Resources Board and United States Environmental Protection Agency)** standard.

This certification ensures that the panels are produced with **near-zero formaldehyde emissions**, meeting strict environmental standards and complying with U.S. legal limits.

Lano da Amazônia's commitment includes investments to reduce the environmental and health impact of its products, reinforcing its ongoing pursuit of **sustainability**.

Certification No:CARB/EPA/CANFER 23019

CERTIFICATE



Scan to validate

ICTT Corporation (TPC-43) has assessed and certified the manufacturer
LANO DO BRASIL LTDA (Mill No. ICTT-23019)

The manufacturer's production line at:
Rua Ouro Preto, 4360-Setor Industrial, Rolim de Moura / Rondônia, Brasil, CEP: 76.940-000

For the following products

HWPW-VC(3-21mm, 3-11plies)

Emission level: CARB Phase 2 & TSCA Title VI & CANFER compliant.
In accordance with

Sections 93120-93120.12, California Code of Regulations - to Reduce Formaldehyde Emissions from Composite Wood Products and 40 CFR part 770 — Formaldehyde Standards for Composite Wood Products under regulation of TSCA Title VI and SOR/2021-148 - Formaldehyde Emissions from Composite Wood Products Regulations under CEPA 1999.

Date of initial certification: June 21, 2023

Updated on June 06, 2024 Valid to June 20, 2025

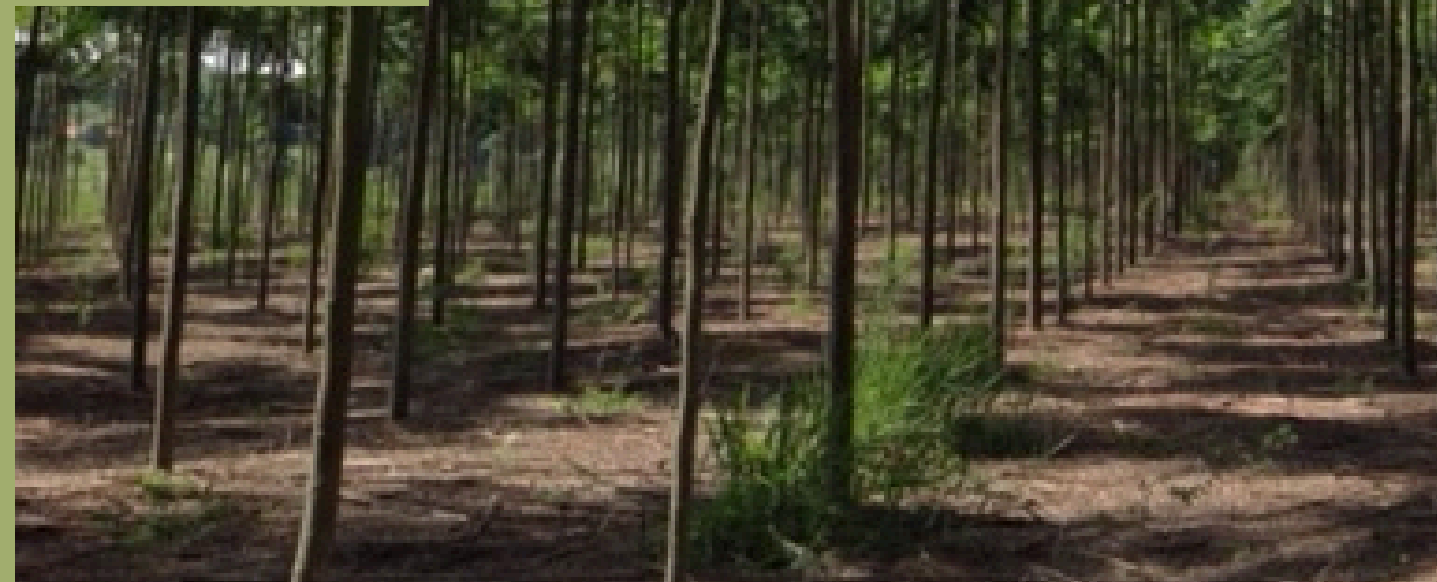


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Mark Chan - Vice President-Quality Control
ICTT Corporation

Mission of Sustainability

Our sustainability mission drives every aspect of Lano da Amazônia's operations. We prioritize **responsible forest management**, sourcing only from **legally compliant areas** and investing in **reforestation projects** that restore the natural ecosystem.



Through innovative, eco-friendly technologies, we minimize environmental impact and safeguard the Amazon's biodiversity. Our goal is not only to produce high-quality wood products but to contribute positively to the environment and create a sustainable legacy for future generations.

Use of Certified Resins and Processes

Our processes align with international regulations, providing customers with products that are both **reliable and environmentally responsible**.

At Lano da Amazônia, we carefully select resins and adhesives that comply with strict **environmental certifications**. Each material is chosen not only to meet high-quality standards but also to **minimize ecological impact**, ensuring a safe, durable bond without compromising sustainability





REFORESTATION commitment

Dedicated Reforestation

Projects: Over half a million Pinho Cuiabano (Schizolobium Amazonicum - paricá) trees planted.

Biodiversity

Preservation: Actively restoring and conserving the Amazon's natural ecosystem.

Careful Supplier

Selection: Working only with suppliers who respect environmental laws.

Positive Community

Impact: Ensuring our practices support both nature and local communities.



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