

THERMALLY MODIFIED ·
PREMIUM HARDWOOD

Thermo Ayou's Wood

Triplochiton scleroxylon

A lightweight West & Central African hardwood transformed by heat-and-steam thermal modification — a consistent warm brown throughout, dimensionally stable, and completely free of chemicals for exterior cladding and sauna interiors.



● WARM MID-TO-DARK BROWN

JANKA HARDNESS

~430 lbf

DENSITY

350–420 kg/m³

ORIGIN

West Africa

CERTIFIED

FSC® 100%

Overview

Thermo Ayouus Wood (*Triplochiton scleroxylon*) is a lightweight hardwood from West & Central Africa, transformed through chemical-free **thermal modification**. Using only intense heat and steam, the process enhances the cellular structure — deepening the naturally pale straw timber to a consistent warm brown throughout, driving moisture down to a low **4-5%**, and greatly improving **dimensional stability**. Low in resin, non-splintering, and free of chemicals, it is ideal for exterior cladding and sauna interiors — and every board is supplied **FSC® 100% certified**.

Key Features

01 Appearance

- Intense heat transforms the naturally pale straw wood into a consistent, warm brown all the way through.
- Interlocked grain gives a subtle striped figure and a smooth, low-lustre surface.

03 Durability & Stability

- Greatly improved dimensional stability with minimal swelling, shrinking, or movement.
- Suitable for exterior cladding and sauna interiors; weathers to a silver-grey patina if left untreated.

05 Hardness & Density

- Janka hardness of ~430 lbf (1,910 N) — soft and light, easy to work.
- Light density of ~350–420 kg/m³ — exceptionally lightweight and easy to install.

02 Thermal Modification

- Uses only intense heat and steam — no chemical additives are involved at any stage.
- Enhances the timber's cellular structure for exceptional dimensional stability.

04 Workability

- Very easy to machine, glue, and finish; low tool wear thanks to its light density.
- Low resin content and low thermal conductivity make it a superb sauna cladding timber.

06 Sustainability

- A 100% natural, renewable material from sustainably managed West African forests.
- Fully biodegradable or recyclable; lower impact than pressure-treated timbers.

Technical Specifications

SPECIFICATION	DESCRIPTION
Scientific Name	<i>Triplochiton scleroxylon</i>
Country of Origin	West & Central Africa
Product Type	Thermo-Cladding & Decking Lumber
Processing Method	Thermally Modified with heat & steam
Colour Tone	 Warm to dark brown
Density (approx.)	Light, ~350 kg/m ³ to 420 kg/m ³ (at ~12% MC)
Workability	Good machining and finishing properties.
Hardness (Janka)	Approx. 430 lbf / 1,910 N
Moisture Content	4-5%
Grain Texture	Interlocked grain with a medium-to-coarse texture.
Certifications	 Forest Stewardship Council

Figures are nominal averages for thermally modified ayous (*Triplochiton scleroxylon*), cross-checked against published hardwood data, and may vary with natural timber.


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