

# TROPICAL



## Ayous Cladding

THERMOTECHE AYOUS  
CLADDING SELL SHEET



CALL US

905.672.8000 (CDN)

855.344.4500 (US)

[TropicalForestProducts.com](http://TropicalForestProducts.com)



# Ayous

**Thermotech Mahogany** boasts an array of light to dark brown hue variations with intensified grain patterns, exuding a luxurious and refined appearance.



## Thermal Modification Technology

Thermal modification is a technology that uses heat to remove sugars from the wood, while at the same time closing the wood's cells, thereby reducing or eliminating the sources on which mold grows.

This process not only extends the service life of the wood, but also creates a dimensional stability that greatly reduces installation time and labor costs.

## Durability with a low cost to the environment

Thermotech's modification process creates a wood product with many of the benefits associated with naturally durable hardwoods. This is done without the use of chemicals that contain heavy metals such as copper and chromium.

## Easy to Install

THERMOTECH Ayous is a lower density wood species and as such can be fastened easily with nails or staples.

THERMOTECH Ayous is available in a wide range of profiles. This includes profiles that can be installed using our PROCLAD Clip System that eliminates fastener penetration all together.

Eliminating fastener penetration, the hidden Pro Clad Clip System further extends the service life of wood claddings. Like naturally durable hardwoods, stainless steel fasteners are recommended for Thermotech modified wood products in delivering a service life consistent with naturally durable hardwoods.

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The mark of responsible forestry



THERMOTEC Ayous is available in 1x4, 1x6, 1x8 or 5/4x4, 5/4x6, 5/4x8 Roughsawn.

**T&G Cladding:** Beveled Edge Square Edge Reversible, Shiplap, Comb and other profile options available.

**Claddings and moldings** random lengths 4'-11". An ideal substitute for Clear Mixed or Vertical Grain Cedar. See our cladding guide for profile options.

Beveled Siding is available in 1/2"x6", 1/2" x8" and 3/4"x10" in lengths of 4'-11' solid unprimed for staining or finger jointed and double primed 16' lengths.

The siding is reversible providing rough or smooth finish options.

## Color:



THERMOTEC  
Ayous takes  
wood stain and paint  
extremely well.

## Health and Safety:

- No VOC.
- No chemical treatments.
- Safe for human contact.
- 20% lower heat retention than composites or PVC.
- Construction waste can be burned or composted.
- 100% natural.
- 100% reusable, upcyclable and biodegradable.
- Low processing energy demand.
- Sustainable development and a low carbon future.
- Fast growing plantation wood.
- From renewable forests.
- Natural, harmless, and free of chemicals.
- No special handling required.
- Improves the stability and durability of the wood without the use of persistent toxic chemicals.

## Maintenance:

- Takes oil and water based coatings well. It is important to remember that water based coatings can be applied over oil, but oil cannot be applied over water based coatings.
- Please defer to coating manufacturer for suitability of application to this product.

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**THERMOTEC Ayous**

has enhanced dimensional stability:

Increased Stability | Minimized Deformations | Minimized Expansion and Shrinkage

**Dimensional Stability**  
65%Rh 20°C**THERMOTEC Ayous**

Change in length swelling (in/mm)	0.014" in / 0.38 mm
Change in length shrinkage (in/mm)	0.0098" in / 0.25 mm
Change in thickness swelling (in/mm)	0.010" in / 0.26 mm
Change in thickness shrinkage (in/mm)	0.0078" in / 0.20 mm

**THERMOTEC Ayous has low moisture content that prevents decay and fungi growth.**

**Biological Durability Against Wood-Decaying Basidiomycetes****THERMOTEC Ayous**

Increased durability to decay	Yes
Resins and sugars removed	Yes
Preliminary durability classification Median mass loss (< 5 %) CEN/TS 15083-1	Class 2

**Physical Properties,  
Moisture Content****THERMOTEC Ayous**

Equilibrium moisture content at 20/65 (%) EN 13183-1	4.6 (4-7)
Raw density at 20/65 (kg/m <sup>3</sup> ) DIN 52182	430

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**THERMOTEC Mahogany (Ayous)****Nail and Screw****THERMOTEC Ayous**

a. Stainless Steel Screws and Nails or Nylon Clad Clips are recommended.

907 N

Hidden and face fixing systems EN 1383, NEN 6562

**Glueing****THERMOTEC Mahogany**

Fingerjoints

MUF, Polyurethane

Laminations

Panel production

**Brinell Hardness****THERMOTEC Mahogany**

HB10/100

0.95

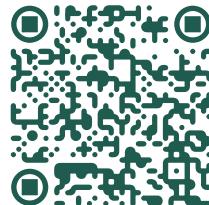
**Thermal Conductivity, Insulation****THERMOTEC Mahogany**Heat conductivity  
TS EN 12667

0.099

<b>THERMOTEC WEIGHT</b>		<b>Color</b>	<b>Profile</b>	<b>Length</b>	<b>Weight</b>
<b>Ayous</b>	<b>Cladding / Louvers</b>	<b>Color</b>	<b>Nominal</b>	<b>Linear Feet</b>	<b>lbs/LF</b>
	Cladding V-Joint / Square	Light / Dark	1 x 6	4' - 14'	0.6
	Ayous S4S	Light / Dark	1 x 6	4' - 14'	0.7



We highly recommend reviewing our  
**“ Tropical Forest Products Best Practices ”**  
**guide as part** of your product selection process.

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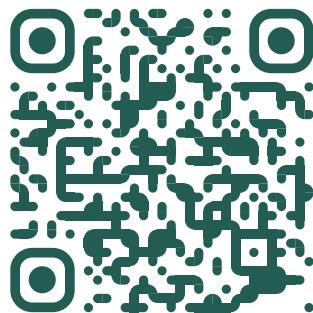
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# **Stronger...Stable...Sustainable**



We invite you to take a closure look at Tropical Forest Products Advanced Wood Technologies, as well as our wide range of other product offerings at [TropicalForestProducts.com/Thermotech](http://TropicalForestProducts.com/Thermotech) by scanning the QR code above.

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