

AMBARA™

Thermally Modified Siding, Ceiling, Trim, Beams, & Pergolas



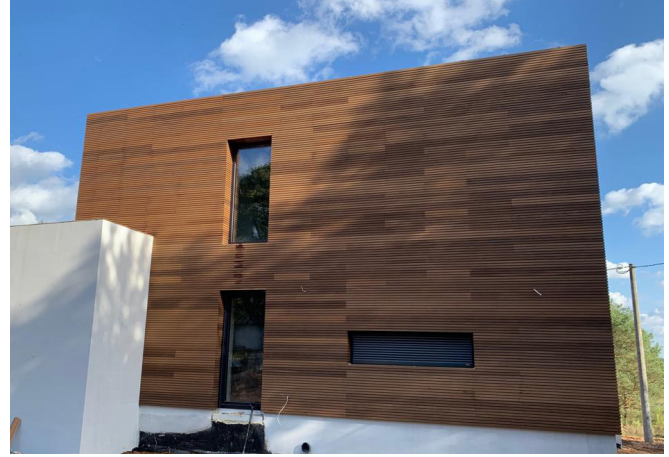
THE HIGHER DEGREE OF WOOD™

Ambara™ is a proprietary lightweight, low density, and thermally modified West African tropical hardwood. We start with Ayous, which is also known as Obeche, and has a long history of use in plywood and veneers. Our proprietary thermal modification process gives our Ambara™ a consistent and beautiful caramel color throughout the wood.

THERMALLY MODIFIED DURABILITY

The thermal modification of the Ambara™ not only affects the color of the wood, but also decreases the movement and increases the stability of the wood making it well-suited for extreme outdoor environments. Ambara™ can be used for outdoor siding, cladding, and soffit applications because the process of thermal modification also increases its durability to the same class as clear all heart Western Red Cedar. Of course the wood can be used for interior applications as well.

Ambara™ siding will naturally fade to a silver-gray color when left unfinished. If you desire to maintain the natural amber-brown coloring of the boards, an oil-based wood stain with UV blockers should be used prior to installation. To maintain Ambara's™ color after installation, maintenance coats of stain must be applied every 2-5 years depending on the level of UV exposure.



TECHNICAL SPECIFICATIONS

Janka Hardness: 430 pounds

Strength (MOR): 8,820 (psi)

Stiffness (MOE): 970 (1000 psi)

Grade: Aye & Btr Clear

Density: 320 kg/m³

Color: Light yellow color, sapwood not clearly demarcated. The wood becomes a caramel brown when thermally modified

Radial Shrinkage: 2.0%

Tangential Shrinkage: 2.0%

Species: Triplochiton Scleroxylon

Tree Characteristics: Tall and relatively clear with logs up to 5 feet in diameter

Geographic Area: Abundant in West Africa, and available with OLB and FSC certification from certified sustainable forests

Texture: Medium

Grain: Straight or interlocked

Luster: Medium

Durability: Class 2 rated. Durability class is a way of comparing timbers' natural ability to resist decay, insect, and marine borer attack in full weather environments. Ambara™ is in the same durability class as clear all heart Western Red Cedar



Nova USA Wood Products
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AMBARA™ PRODUCT OFFERINGS

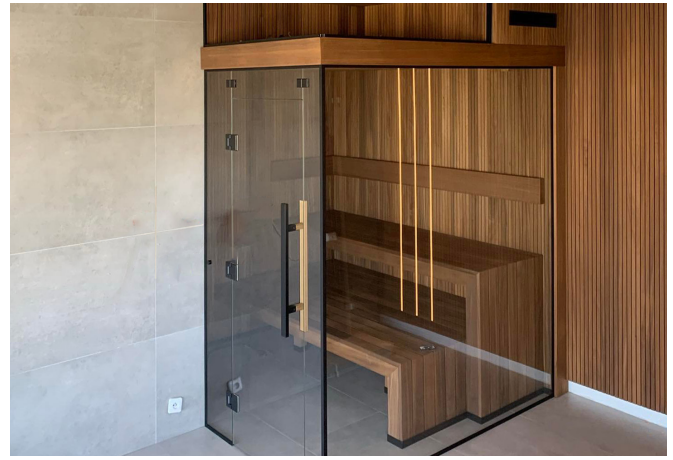
Ambara™ sizes stocked as rough sawn.

4/4 thickness available in 6", 8", 10" and 12" widths

5/4 thickness available in 6", 8", 10" and 12" widths

8/4 thickness available in 6", 8", 10" and 12" widths

Ambara™ can be milled into any common or custom Western Red Cedar profiles.



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