

# Westwood Thermo-Treatment Plant

## Macon, GA



WESTWOOD was the first to start thermo-treatment industry in the US, and now our plant in Macon GA is the biggest treatment facility in the US. We situated in the heart of Georgia State near the biggest lumber suppliers. Our plant is:

- ★ Three state of art Westwood thermo-treatment chambers of the last generation to produce up to 15 TLs of treated lumber per month.
- ★ The full cycle manufacturing facility to produce thermo-treated hardwood and softwood products.

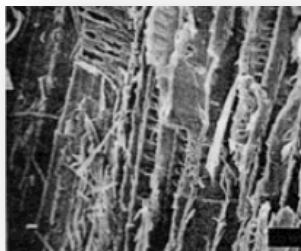
Thermo-treated wood is:

- ★ Durable for 25 years with no chemicals added.
- ★ Dimensionally stabile under changing moisture conditions.
- ★ Lighter in weight, harder, fire and termite resistant, has attractive look, people and pets friendly.

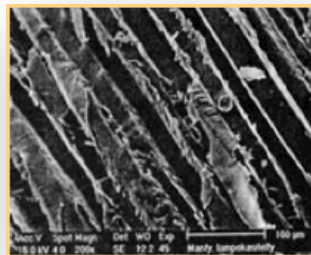
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## The Magic of Thermo-Modification:

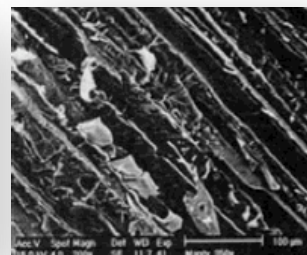
Premium **Thermo-Treated Wood** decks and siding are durable for 25 years due to our patented thermo-modification process. Wood is exposed to extremely high temperatures (400 degree Fahrenheit) with no chemicals added. It is a 100% “Green” process and product. The main reason for thermo-treated wood’s durability and dimension stability is the natural molecular changes that occur in the wood during the treatment process. The equilibrium moisture content (EMC) is reduced to 4-6%. The treatment burns poly-sugars and makes wood water repellent on a molecular level; thermo-treated wood becomes naturally durable and stable. Compare **thermo-treated wood** and **350-year old wood** to non-treated wood under a microscope. Notice the similar molecular pattern in both the thermo-treated and the 350-year old wood.



*Normal kiln dried lumber*



*Thermo-treated lumber*



*350-year old lumber*

## Thermo Decking and Siding Features:

- The products are naturally durable for at least 25 years due to our thermo-treatment process;
- Dimensional stability increased 5-10 times;
- Products require less maintenance;
- Dramatically reduced warping and cracking;
- Light in weight (3.5 lbs/SF);
- Reduced combustibility (Class B fire rating);
- Improved resistance to termites;
- Janka Hardness – 1300 Lbf;
- Grown and made in the USA.

## Four-Sides Factory Oiling Advantages:

- Makes product ready to use;
- Prevents fading of color under sunlight;
- Prevents seasonal surface checking;
- Makes wood grain sound and attractive;
- Our free FOUR sides oiling saves you \$2-4/SF which contractors usually charge for ONE-side surface oiling on site; oiling of the back side is extremely important to increase a lifetime of your decking and siding.



# Our Thermo-Treated Wood Products



## Thermo Ash Decking:

- ~ 5/4x6" (net 15/16" x 5.5")
- ~ All in one length 8'
- ~ Oiled 4-sides



## Thermo Poplar Siding:

- ~ 2-sides profile: V-Joint and Nickel-Gap
- ~ 5/4x6" (net 7/8"x5")
- ~ Bundled by 6 boards by length (5' - 12')
- ~ Oiled 4-sides
- ~ Available also in Ash and Pine



## Thermo Wall Planks:

- ~ 10 designs
- ~ 22 SKUs
- ~ 1/4x6"x48"
- ~ Boxed by 6 boards (10 SF)
- ~ Pine and Poplar