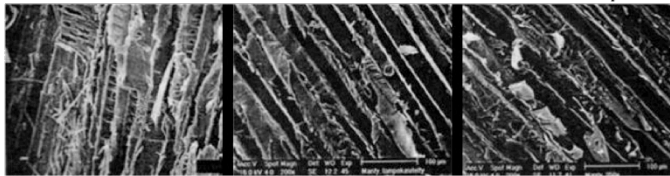


# Why we use thermo-treated wood to make our Decking?

Thermo-treated wood is **100% Green**, pure and safe - no chemicals, bacteria or insects in the wood

Thermo-treated wood is **naturally durable** for at least 25 years

Wood cells structure under microscope



Non-treated wood    Thermo-treated wood    350-year old wood

Thermo-treated wood is **dimensionally stable**: it has reduced cracking and cupping

Wood has exotic brown color in all depth

Thermo-treated wood is a real **old lumber**: the cells structure of thermo-treated wood and 350-year lumber are similar

## What is thermo-treatment of wood?

Thermo-treatment (thermal modification) of wood is a patented high-temperature technology which holds wood on the level of 400 degree F temperatures in oxygen-free chambers. During the process we modify poly-sugars of the wood, change the molecular structure of lignin and remove all the water. So why thermo-treated wood is naturally durable even used outdoors. No chemicals are ever used – it is a 100% Green process and product! The moisture content of the wood after thermo-treatment is 2-4% and remains as this even in high humidity environment, so why thermo-treated wood is dimensionally stable.

