



SCOTTYWOOD

*Proud Member of the
International ThermoWood Association*

**WOOD
PERFECTED**

TIME FOR THERMOWOOD



ScottyWood ThermoWood® is a product whose time has come.

Over the last few decades, building design and construction has changed in profound ways. New systems, technologies and materials are revolutionizing new space construction. Innovation is everywhere in the modern, built environment.

Contemporary designers and developers embrace innovation. It's a way for them to create spaces that are beautiful, functional and sustainable. And it helps them improve the performance of the building, as well as those that live, work and play within it.

Wood, the original building material, is being transformed through innovation as well. It's called ScottyWood ThermoWood.

European and Asian designers and developers discovered, long ago, the benefits of ThermoWood. Today, North Americans are embracing ScottyWood ThermoWood like never before. Why? Because it enhances wood's natural beauty and reduces its susceptibility to the damaging effects of the environment.





THE WORLD NEEDS THERMOWOOD

Today, nearly half of the world's population live near water. It's vital that new construction material withstand the damaging effects of moisture. And with climate change, the environment is experiencing more extreme temperatures. Building materials must evolve to address these realities.

ThermoWood does not absorb water like unmodified wood. It's stable, durable, rot resistant, and will not expand or contract like unmodified wood. And its breathtakingly beautiful.

ThermoWood is the perfect substitute for expensive tropical woods. By using domestic wood species, ScottyWood ThermoWood delivers all the benefits of tropical woods and more, without the high cost and environmental impact.

It's ideal for a wide range of exterior and interior applications, especially where high moisture is an issue.





THERMOWOOD IS WOOD PERFECTED



Since 1990 comprehensive research has led to an industrial scale process in Finland, under the trade name of ThermoWood®. This carefully-controlled process improves the stability and durability of wood using high heat and steam. Special Jartek custom kilns and technology are required to produce true ThermoWood.

Scottywood is North America's only manufacturer of ThermoWood using Jartek technology. Today the process is licensed to only 17 members of the Finnish International ThermoWood Association worldwide, ScottyWood being one of the select few.

What sets ScottyWood apart from other heat treaters, without the Jartek method, is our ability to condition the wood during the entire process, as well as reaching the high temperatures required to ensure a Class 1 durability. ScottyWood ThermoWood products are never brittle and always high quality.



MEET SCOTTYWOOD



ScottyWood is an innovative Canadian company leading the way in thermal modification since 2013. Leveraging our unique expertise, ScottyWood is fostering innovation in thermal treatment and manufacturing in British Columbia.

Our high quality products are developed using Clear Western Hemlock from coastal BC and Prime American White Ash from the USA. We never use lower quality green or black Ash out of Eastern Canada

We are FSC certified and offer standard and custom sizes and profiles to meet your specific needs.

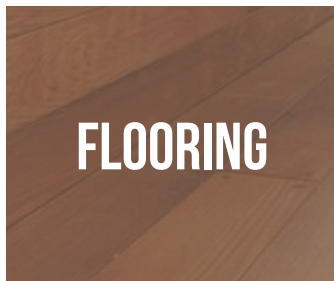
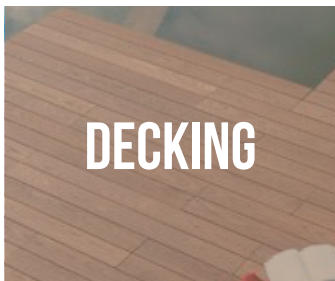
ScottyWood is offered to markets worldwide and you may contact us directly.



WHERE SCOTTYWOOD OUTPERFORMS



Engineered to last, ScottyWood is perfect for use in a wide range of design projects.





THE BENEFITS OF SCOTTYWOOD



Dimensional Stability: Swelling and shrinking of wood, due to moisture variation, is reduced by up to 60%. This dramatically improves stability and makes the wood less prone to cup, warp or twist.



Durability: Thermal modification densifies wood making it up to 33% harder. Complete cell collapse is achieved making the wood lighter in weight and waterproof. ThermoWood is also more resistant to biological damages, such as decay caused by brown rot and fungi, this extends its service life.



High Quality: ScottyWood starts with the highest quality raw materials. Using Clear Western Hemlock from coastal BC, and only Prime American White Ash from the USA. We never use lower quality green or black Ash out of Eastern Canada.



Non-Toxic: The thermal modification process is chemical-free, using high heat and steam to produce a Green product in a way that protects the natural environment.



Sustainability: ScottyWood is FSC certified and sourced from renewable, sustainable North American forests. By using domestic wood, ScottyWood and its customers are supporting sustainable development.



Reduced Thermal Conductivity: Thermal conductivity is up to 25% lower than unmodified wood. This provides improved insulation performance and no hot feet on summer decks.



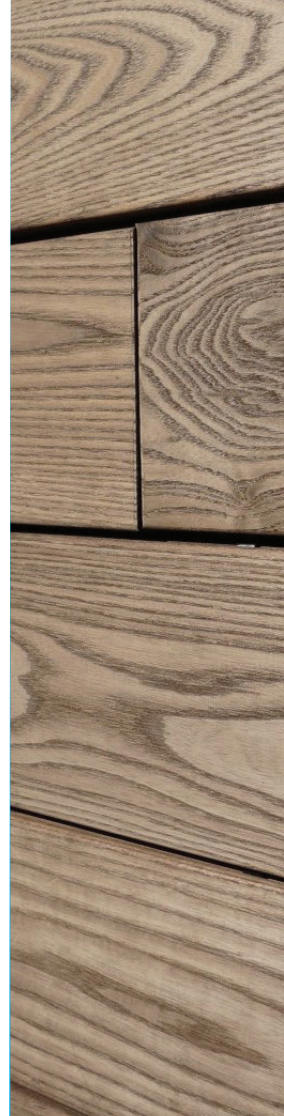
Easy Maintenance: Wood extractives are removed during the modification process greatly improving the durability of painted surfaces. ScottyWood will naturally age to a silver-gray patina or apply a UV oil to preserve the rich, exotic colour.

THREE REASONS TO CHOOSE SCOTTYWOOD

1

Looks and performs better

- Superior stability and durability.
- ThermoWood's Equilibrium Moisture Content (EMC) is more than half that of unmodified wood thus significantly reducing its ability to absorb moisture.
- ScottyWood's products perform better than unmodified wood in environments with fluctuating relative humidity. This improved stability means ScottyWood is less likely to cup, warp or twist.
- Thermal modification significantly reduces many of the nutrients and properties that attract insects and support the growth of brown rot and fungi.
- The thermal modification process is proven to densify wood, making it up to 33% harder.
- The durability of painted surfaces is greatly improved in the thermal modification process because extractives and resins are removed.
- ThermoWood is smooth, splinter free, lighter in weight and machines beautifully.



A vertical strip on the left side of the page shows a close-up of wood grain texture, with horizontal planks and a prominent knot in the lower half.

2

Unsurpassed colour and beauty

- Thermal modification creates a rich, deep colour throughout the wood. The colour and beauty resembles more expensive, exotic tropical hardwood species.
- The rich colour can be easily replicated and precisely controlled with specialty software.
- Like many tropical hardwoods, ScottyWood will naturally age to a striking silver/grey when exposed to direct sunlight.
- Maintain the colour with an oil-based, UV protectant applied every few years.

3

Good for the local and global environment

- ScottyWood's thermal modification process uses only high heat and steam - no chemicals.
- ScottyWood is sourced from renewable, sustainable North American forests. By using domestic wood species, in place of tropical hardwoods, ScottyWood and its customers are supporting sustainable development.
- ScottyWood is more stable and durable, this extends the service life and reduces the lifetime maintenance needs of the wood.

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